



JOHNS HOPKINS

SCHOOL *of* EDUCATION



Academic Catalog 2015–2016

Table of Contents

<u>Introduction</u>	5
<u>About Johns Hopkins University</u>	5
<u>About The School of Education</u>	5
<u>Accreditation</u>	5
<u>Mission</u>	6
<u>Vision</u>	7
<u>Core Values</u>	7
<u>Conceptual Framework</u>	9
 <u>School of Education Degree and Certificate Programs</u>	 9
<u>Educator Preparation Programs - Master's Degrees</u>	9
<u>Educator Preparation Programs - Graduate Certificates</u>	10
<u>Doctoral Programs</u>	12
<u>Division of Public Safety Leadership Programs</u>	12
<u>Suspended Programs</u>	13
<u>Required State Specific Disclosures for Students Enrolled in Online Distance Education Programs</u>	13
 <u>2015-16 Academic Year Calendar</u>	 15
 <u>Admission, Registration and Finances</u>	 16
<u>Admission</u>	16
<u>General Admission Policy</u>	16
<u>Health Insurance for School of Education Students</u>	18
<u>International Student Admission Policy</u>	18
<u>Graduate Special Students (Non-Degree)</u>	20
<u>Transfer of Credits</u>	21
<u>Changing Programs</u>	22
<u>Adding a Second Master's Degree</u>	22
<u>Admission to Other Schools of the University</u>	22
<u>Advising</u>	22
<u>Registration</u>	24
<u>General Registration Policy</u>	24
<u>Adding a Course</u>	24
<u>Dropping a Course</u>	25
<u>Withdrawing From A Course</u>	25
<u>Auditing Courses</u>	26
<u>Wait Lists</u>	26
<u>Course Load</u>	26
<u>Leave of Absence</u>	26
<u>Withdrawal from a Program</u>	27
<u>Interdivisional Registration</u>	27
<u>Refunds</u>	27
<u>Immunization Law for New and Continuing Students Under the Age of 26</u>	29
<u>Attendance/Participation</u>	29
<u>Examinations</u>	29
<u>Religious Holiday Observance</u>	29
<u>Graduate Degree Program Requirements</u>	29

Table of Contents

<u>Disability Services</u>	29
<u>Tuition and Fees</u>	30
<u>Student Accounts</u>	31
<u>Financial Aid</u>	36
<u>Scholarships, Grants, and Awards</u>	38
<u>Tax Law Benefits</u>	39
<u>Employment-Based Tuition Benefits</u>	39
<u>School of Education Scholarships</u>	40
<u>Veterans/G.I Bill Assistance</u>	42
<u>Academic Policies</u>	43
<u>Grading System and Academic Records</u>	43
<u>General Grading Policy</u>	43
<u>Grade Point Average</u>	43
<u>Failure (F) Grade</u>	43
<u>Withdrawl (WD) Grade</u>	43
<u>Incomplete (I) Grade</u>	44
<u>Repeated Courses</u>	44
<u>Grade Appeals</u>	44
<u>Grade Reports, Transcripts, and Academic Record Requests</u>	45
<u>Academic Standards</u>	46
<u>Good Academic Standing</u>	47
<u>Unsatisfactory Academic Standing</u>	47
<u>Academic Probation</u>	47
<u>Academic Dismissal</u>	48
<u>Graduation</u>	48
<u>Academic and Student Conduct Policies</u>	49
<u>Statement of Principles</u>	49
<u>Policies Governing Academic Conduct</u>	49
<u>Policies Governing Student Conduct</u>	50
<u>University Policies</u>	53
<u>Graduate Education Programs</u>	55
<u>Administration, Supervision and Leadership</u>	55
<u>Master of Science in Education: School Administration and Supervision</u>	55
<u>Master of Science in Education: Technology for Educators (Online)</u>	56
<u>Graduate Certificate Programs in Administrations, Supervision, and Leadership</u>	57
<u>Counseling and Human Development</u>	60
<u>Master of Science in Counseling</u>	60
<u>Graduate Certificate Programs in Counseling and Human Development</u>	65
<u>Education in the Health Professions</u>	66
<u>Master of Education in the Health Professions & Post-Master's Certificate in Evidence-Based Teaching in the Health Professions (Online)</u>	66
<u>Special Education and Gifted Education</u>	68
<u>Master of Science in Special Education</u>	68
<u>Master of Science in Education: Gifted Education</u>	76
<u>Graduate Certificate Programs in Special Education and Gifted Education</u>	77
<u>Teaching and Learning</u>	80
<u>Master of Arts in Teaching (MAT)</u>	80
<u>Master of Science in Education: Educational Studies (Online Teach for America and TNTP Options)</u>	84

Table of Contents

<u>Master of Science in Education: Educational Studies</u>	84
<u>(Individualized Interdisciplinary Program of Study Option)</u>	
<u>Master of Science in Education: Educational Studies (Independent Schools Option)</u>	85
<u>Master of Science in Education: Reading</u>	86
<u>Graduate Certificate Programs in Teaching and Learning</u>	87
<u>Doctoral Programs</u>	89
<u>Educator Preparation and Doctoral Course Descriptions</u>	92
<u>Division of Public Safety Leadership</u>	136
<u>Bachelor of Science in Organizational Leadership</u>	137
<u>Master of Science in Organizational Leadership (Online and Face-to-Face Options)</u>	138
<u>Master of Science in Intelligence Analysis</u>	140
<u>Cohort Calendar</u>	141
<u>Public Safety Leadership Course Descriptions</u>	142
<u>Research and Development Centers</u>	150
<u>Center for Research and Reform in Education</u>	150
<u>Center for Social Organization of Schools</u>	150
<u>Center for Technology in Education</u>	150
<u>School of Education Faculty</u>	151
<u>Full-Time Graduate Education Faculty</u>	151
<u>Full-Time Division of Public Safety Leadership Faculty</u>	152
<u>Full-Time Research Center/Institute Faculty</u>	152
<u>Joint/Courtesy Appointments and Visiting Professors</u>	153
<u>Administration</u>	156
<u>Johns Hopkins University Administration</u>	156
<u>School of Education Administration</u>	157
<u>School of Education National Advisory Council</u>	158

INTRODUCTION

About Johns Hopkins University

“What are we aiming at?” That’s the question our first president, Daniel Coit Gilman, asked at his inauguration in 1876. What is this place all about, exactly? His answer: “The encouragement of research... and the advancement of individual scholars, who by their excellence will advance the sciences they pursue, and the society where they dwell.”

Gilman believed that teaching and research go hand in hand—that success in one depends on success in the other—and that a modern university must do both well. He also believed that sharing our knowledge and discoveries would help make the world a better place.

After more than 135 years, we haven’t strayed from that vision. This is still a destination for excellent, ambitious scholars and a world leader in teaching and research. Distinguished professors mentor students in the arts and music, humanities, social and natural sciences, engineering, international studies, education, business, and the health professions. Those same faculty members, and their colleagues at the university’s Applied Physics Laboratory, have made us the nation’s leader in federal research and development funding every year since 1979.

That’s a fitting distinction for America’s first research university, a place that revolutionized higher education in America.

The mission of The Johns Hopkins University is to educate its students and cultivate their capacity for life-long learning, to foster independent and original research, and to bring the benefits of discovery to the world.

About The School Of Education

Established in 2007, the Johns Hopkins University School of Education is a national leader in education reform through research and teaching. Grounded in the Johns Hopkins tradition of research and innovation, the School of Education is ranked first in the nation by U.S. News & World Report and is among the top recipients of funded research in the United States.

The School of Education offers a challenging environment where students can pursue a wide variety of degree and certificate programs in six key areas of emphasis: Teaching and Learning; Special Education and Gifted Education; Administration, Supervision and Leadership; Counseling and Human Development; Education in the Health Professions; and Public Safety Leadership. Our programs and applied research have measurably improved the quality of PK-12 education, with an emphasis on the most challenged urban schools.

Several research and development centers play an integral role in furthering the school’s mission to support and advance the quality of education and

human services for the continuous development of children, youth and adults. They are the Center for Research and Reform in Education, which focuses on improving the quality of education for children in pre-kindergarten through middle school; Center for Social Organization of Schools, which concentrates its research and development resources on the toughest problems in education—improving low-performing schools and the education they offer their students; and Center for Technology in Education, which strives to improve the quality of life of children and youth, particularly those with special needs, through teaching, research and leadership in the use of technology.

The newly created Institute for Education Policy provides policy-makers with high-quality research; commissions new research that responds to real-world needs; advises national and state organizations on proven interventions that narrow persistent achievement gaps; and provides an independent forum that brings stakeholders together for constructive dialogue on students’ educational outcomes.

Our students come from a wide variety of academic and professional backgrounds, including upcoming and recent college graduates seeking careers in education, professionals from disciplines outside of education seeking a career change, and experienced educators and counselors who want to enhance their skills in the classroom and practice area.

The school addresses some of the most challenging problems facing education today in areas ranging from early childhood education to adult learning through its doctoral and graduate programs, research and development activities, external partnerships with school systems and educational entrepreneurs, and collaborative connections to the broader Johns Hopkins research community.

No matter the field, the Johns Hopkins School of Education has a program to suit a variety of unique needs. Located in Baltimore, Maryland, the School of Education is committed to preparing current and future educators for an important and rewarding career path.

The school is accredited by both the Council for the Accreditation of Educator Preparation (CAEP) and the Council for the Accreditation of Counseling & Related Educational Programs (CACREP), and all programs leading to licensure are approved by the Maryland State Department of Education.

Whether you’re a teacher, aspiring counselor or thought leader in your field, the Johns Hopkins School of Education will help you achieve your goals. For more information, please visit www.education.jhu.edu.

Accreditation

The Johns Hopkins University is accredited by the:

Middle States Commission on Higher Education
3624 Market St.
Philadelphia, PA 19104
267-284-5000
www.msche.org

The School of Education is accredited by the Council for the Accreditation of Educator Preparation (CAEP) and the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

CAEP is an accrediting body for schools, colleges, and departments of education authorized by the United States Department of Education. CAEP determines which institutions meet rigorous national standards in preparing teachers and other school specialists for the classroom. CAEP's performance based system of accreditation fosters competent classroom teachers and other educators who work to improve the education of all students from kindergarten through grade 12. CAEP may be contacted at:

Council for the Accreditation of Educator Preparation
2010 Massachusetts Ave, NW Suite 500
Washington, DC 20036
202-223-0077
<http://caepnet.org/>

CACREP is an independent agency recognized by the Council for Higher Education Accreditation to accredit master's degree programs in counseling. CACREP may be contacted at:

Council for Accreditation of Counseling and Related Educational Programs
1001 North Fairfax Street, Suite 510
Alexandria, VA 22314
703-535-5990
<http://www.cacrep.org>

All programs leading to professional licensure are approved by the Maryland State Department of Education (MSDE), which may be contacted at:

Maryland State Department of Education
200 West Baltimore Street
Baltimore, MD 21201
410-767-0100
www.marylandpublicschools.org

Mission

The mission of the School of Education is to support and advance the quality of education and human services for the continuous development of children, youth, and adults. This mission, which forms the core of the school's Conceptual Framework, is accomplished through:

- Teaching
- Research
- Program development
- Leadership and service
- Partnerships

In fulfilling its mission, the School of Education prepares leaders and change agents who are ready to address complex challenges in education and in communities through the achievement of its five Conceptual Framework student outcomes:

Content Experts who demonstrate content knowledge at a high conceptual level, integrate appropriate national, state, and local standards in their work, and demonstrate the potential to be innovative content leaders in their classrooms, organizations, and/or professional organizations.

Reflective practitioners who modify, differentiate, and analyze effective instruction or intervention within the context of a particular classroom or school, engage in and benefit from research that leads to improved student/client outcomes, cultivate a reflective disposition for lifelong learning.

Diversity advocates who respect differences among learners (cultural, ethnic, racial, gender, sexual orientation, ability, socio-economic, etc.) in their classrooms/schools/organizations.

Evidence-based decision-makers who describe formal and informal assessments by which progress can be measured at the individual learner, classroom, school, and organization levels, use data and other evidence to plan for instruction and/or development, and utilized an evidence-based approach to teaching and intervention.

Applied technology integrators who advance instruction through the appropriate integration of technology and seek technologies appropriate to school-based instruction or organizational needs.

Vision

The Johns Hopkins University School of Education will lead the world in attracting the most talented and diverse individuals into the fields of education, counseling, and public safety. We will guarantee educational improvement and community well-being by assuring that our students, and others in the profession, have the most innovative tools and effective approaches to advance learning.

Core Values

To achieve its mission, School of Education faculty, staff, and students uphold and promote the following core values:

Innovation (in discovery, scholarship, leadership, and application): As members of a university community known preeminently for research and its application, we challenge ourselves to create and test new approaches to the educational needs of our schools and communities, as well as in our own administrative and student support systems.

Excellence: As reflective practitioners, we engage in regular self assessment and invite external peer reviews to drive the continuous improvement of our academic programs, research activities, and administrative systems.

Collaboration and Partnerships: We believe that multi-disciplinary and inter-institutional teams, including other schools within Johns Hopkins and public school systems, provide the range of perspectives required to address the most challenging issues facing PK-12 schools and communities.

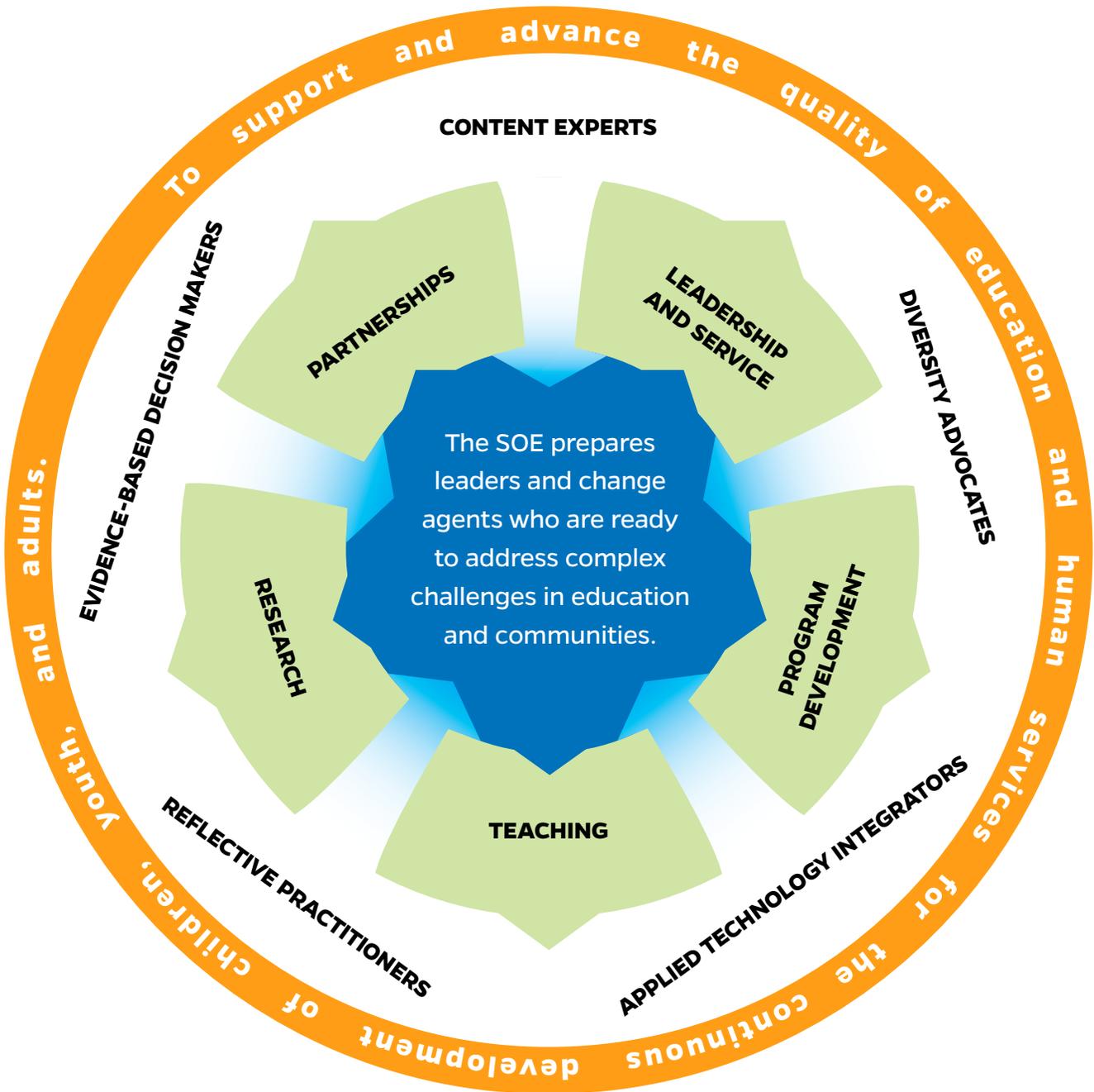
Evidence-based Practice: Research and its application and evaluation form an iterative cycle that guides informed practice in our program development, policy formulation, and school reform initiatives. So, too, evidence-based decision making shapes our internal activities such as student and financial services.

Integrity: One hundred years of continuous service to our region's public schools and urban neighborhoods has earned us a reputation as a trustworthy partner in enhancing the quality of life for children, youth, and adults. By continuing to focus our actions and decisions on the students, schools, and communities we serve, we will sustain this primary commitment.

Civility and Diversity (in people, thought, and practice): Civility and diversity are processes that form the warp and weft of our school community, weaving together the multiplicity of perspectives and experiences that enhance all our work.



CONCEPTUAL FRAMEWORK



Candidate Outcomes
 Methods of Delivery
 Mission
 Goal

2/17/2016

SCHOOL OF EDUCATION DEGREE AND CERTIFICATE PROGRAMS

EDUCATOR PREPARATION PROGRAMS- MASTER’S DEGREES

Program		Academic Area of Emphasis	Number of credits	Program Info on Page:
Master of Arts in Teaching (MAT)				
Concentration	Elementary Education (Grades 1-6)	Teaching and Learning	39	pg.80
	Secondary Education (Grades 7-12)	Teaching and Learning	39	pg.80
Master of Education				
Concentration	Health Professions (Online)	Education in the Health Professions	33	pg.66
Master of Science in Counseling				
Concentration	Clinical Mental Health Counseling	Counseling and Human Development	60	pg.61
	School Counseling (Flexible and Fellows Programs)	Counseling and Human Development	48	pg.62 & 64
Master of Science in Education				
Concentration	Educational Studies (Online Teach For America and TNTF Options)	Teaching and Learning	30	pg.84
	Educational Studies (Individualized Interdisciplinary Program of Study Option)	Teaching and Learning	33-39	pg.84
	Educational Studies (Independent Schools Option)	Teaching and Learning	33	pg.85
	Gifted Education	Special Education and Gifted Education	33	pg.76
	Reading	Teaching and Learning	39	pg.86
	School Administration and Supervision	Administration, Supervision and Leadership	39	pg.55
	Technology for Educators (Online)	Administration, Supervision and Leadership	36	pg.56

Program	Academic Area of Emphasis	Number of Credits	Program Info on Page:	
Master of Science in Special Education				
Concentration (Certification Programs)	Early Childhood Special Education (Infant/Primary)	Special Education and Gifted Education	39	pg.71
	Mild to Moderate Disabilities (Elementary/Middle & Secondary/Adult)	Special Education and Gifted Education	39	pg.72
	Severe Disabilities (Grades K-12)	Special Education and Gifted Education	36	pg.73
Concentration (Non-Certification Program)	General Special Education Studies	Special Education and Gifted Education	36-39	pg.74
	Severe Disabilities	Special Education and Gifted Education	36	pg.75
	Severe Disabilities: Emphasis in Autism Spectrum Disorders	Special Education and Gifted Education	36	pg.75

EDUCATOR PREPARATION PROGRAMS- GRADUATE CERTIFICATES

Subject Area/ Theme	Program	Academic Area of Emphasis	Number of Credits	Program Info on Page:
Counseling	Counseling (Certificate of Advanced Graduate Study [CAGS])	Counseling and Human Development	30	pg.65
	Clinical Mental Health Counseling	Counseling and Human Development	15	pg.66
School Leadership	Educational Leadership for Independent Schools	Administration, Supervision and Leadership	15	pg.57
	Leadership for School, Family and Community Collaboration	Administration, Supervision and Leadership	15	pg.58
	School Administration and Supervision (Online and Face-to-Face Options)	Administration, Supervision and Leadership	18	pg.59

Subject Area/ Theme	Program	Academic Area of Emphasis	Number of Credits	Program Info on Page:
Special Education and Gifted Education	Advanced Methods for Differentiated Instruction and Inclusive Education	Special Education and Gifted Education	15	pg.77
	Applied Behavior Analysis	Special Education and Gifted Education	24	pg.77
	Early Intervention/Preschool Special Education Specialist	Special Education and Gifted Education	15	pg.78
	Education of Students with Autism and other Pervasive Developmental Disorders	Special Education and Gifted Education	18	pg.79
	Gifted Education	Special Education and Gifted Education	18	pg.79
Technology for Educational Leaders	Data-Based Decision Making and Organizational Improvement	Administration, Supervision and Leadership	15	pg.57
	Leadership in Technology Integration	Administration, Supervision and Leadership	15	pg.58
Other Specializations	Evidence-Based Teaching in the Health Professions	Education in the Health Professions	18	pg.66
	K-8 Mathematics Lead-Teacher Education	Teaching and Learning	18	pg.87
	K-8 STEM Lead-Teacher Education	Teaching and Learning	15	pg.87
	Mind, Brain and Teaching	Teaching and Learning	15	pg.88
	Urban Education	Teaching and Learning	18	pg.88

DOCTORAL PROGRAMS

Program	Number of Credits	Program Info on Page:
Doctor of Education (Ed.D.)(Online)	90	pg.90
Doctor of Philosophy (Ph.D.) in Education	90	pg.89

DIVISION OF PUBLIC SAFETY LEADERSHIP PROGRAMS

Program Concentrations	Number of Credits	Program Info on Page:
Bachelor of Science		
Organizational Leadership	60	pg.137
Master of Science		
Intelligence Analysis	36	pg.140
Organizational Leadership (Online Face-to-Face Program Options)	36	pg.138

SUSPENDED PROGRAMS

The Johns Hopkins University School of Education has notified the Maryland Higher Education Commission (MHEC) of its decision to suspend the academic programs listed below; and, effective summer 2014, SOE is no longer admitting new students into these programs:

Suspended Graduate Certificates

- Adolescent Literacy Education
- Assistive Technology
- Cooperative Learning Instructional Practices
- Earth/Space Science
- Education of Students with Severe Disabilities
- Effective Teaching of Reading
- Emergent Literacy Education
- English as a Second Language Instruction
- K-8 Science Lead Teacher
- Online Teaching and Learning for Adults
- Teacher Leadership
- Teaching the Adult Learner

Suspended Master’s Degree Programs

- Master of Science in Special Education with a concentration in Technology in Special Education

Any SOE student who is currently enrolled in one of the above programs will be given the opportunity to complete the program. If you are a student who is currently enrolled in one of these programs and you have a question, please contact your faculty adviser.

REQUIRED STATE SPECIFIC DISCLOSURES FOR STUDENTS ENROLLED IN ONLINE DISTANCE EDUCATION PROGRAMS

All prospective and current students should note that the JHU School of Education is required to disclose certain state specific regulations regarding the delivery of the school’s online distance education programs.

The following state-specific disclosures and policies pertain to students who enroll in Johns Hopkins University distance education programs.

Contact Information for State Agencies

Johns Hopkins University distance education students can contact the higher education agency in their state with questions, comments, or complaints (see http://web.jhu.edu/administration/provost/programs_services/accreditation/contacts_for_student_complaints for contact information).

Alaska

Johns Hopkins University provides online or distance delivered instruction to Alaska residents and does not have a physical presence in the state. Therefore, the

university is exempt from authorization by the Alaska Commission on Postsecondary Education.

Arkansas

The student should be aware that these degree programs may not transfer. The of course/degree credit is determined by the receiving institution.

Iowa

Johns Hopkins University is registered by the Iowa College Student Aid Commission on behalf of the State of Iowa. Iowan residents who wish to inquire about Johns Hopkins University or file a complaint may contact the ICSAC at:

*430 E. Grand Avenue, Third Floor
Des Moines, Iowa 50309
or 515-725-3400.*

Minnesota

Johns Hopkins University is registered as a Private Institution with the Minnesota Office of Higher Education pursuant to sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions.

Oregon

After classes begin for a term, a student who withdraws from a course is eligible for a partial refund through the middle week of the term per the following refund schedule.

<i>Term Completed</i>	<i>Refund Tuition</i>
<i>Less than 10%</i>	<i>90%</i>
<i>At least 10% but less than 20%</i>	<i>80%</i>
<i>At least 20% but less than 30%</i>	<i>70%</i>
<i>At least 30% but less than 40%</i>	<i>60%</i>
<i>40% to 50%</i>	<i>50%</i>
<i>More than 50%</i>	<i>No Refund</i>

Washington

Johns Hopkins University is authorized by the

Washington Student Achievement Council and meets the requirements and minimum educational standards established for degree-granting institutions under the Degree-Granting Institutions Act. This authorization is subject to periodic review and authorizes Johns Hopkins University to offer field placement components for specific degree programs. The Council may be contacted for a list of currently authorized programs. Authorization by the Council does not carry with it an endorsement by the Council of the institution or its programs. Any person desiring information about the requirements of the act or the applicability of those requirements to the institution may contact the Council at P.O. Box 43430, Olympia, WA 98504-3430.

As part of this policy, the school may retain a one-time application fee of no more than \$100. The school will make every effort to refund prepaid amounts for books, supplies and other charges. A student will receive the refund within 40 days of termination date. If a student withdraws after completing 60% of the instruction, and withdrawal is due to mitigating circumstances beyond the student's control, the school may refund a pro rata amount. A written notice of withdrawal is not required.

Wisconsin

Wisconsin residents are entitled to a tuition refund in accordance with Wisconsin law under the following circumstances. The student will receive a full refund of all money paid if the student:

1. Cancels within the three-business-day cancellation period under EAB 6.04;
2. Accepted was unqualified and the school did not secure a disclaimer under EAB 9.04;
3. Enrollment was procured as the result of any misrepresentation in the written materials used by the school or in oral representations made by or on behalf of the school.

Refunds will be made within ten business days of cancellation.

A student who withdraws or is dismissed after attending at least one class, but before completing 60% of the instruction in the current enrollment period, is entitled to a pro rata refund as follows:

<i>At Least</i>	<i>But Less Than</i>	<i>Refund of Tuition</i>
<i>1 Unit/Class</i>	<i>10%</i>	<i>90%</i>
<i>10%</i>	<i>20%</i>	<i>80%</i>
<i>20%</i>	<i>30%</i>	<i>70%</i>
<i>30%</i>	<i>40%</i>	<i>60%</i>
<i>40%</i>	<i>50%</i>	<i>50%</i>
<i>50%</i>	<i>60%</i>	<i>40%</i>
<i>60%</i>	<i>No</i>	<i>No Refund</i>

2015-2016 ACADEMIC YEAR CALENDAR

MAY SESSION 2015

May 11 - May 30

May Session classes

July 1

Date upon which any I (incomplete) grade recorded in ISIS for a spring semester or May session course is automatically replaced by an F grade on a student's academic transcript

SUMMER SEMESTER 2015

April 1

Financial aid priority filing date for 2015 summer semester

March 30 – May 31

Registration period for 2015 summer semester

May 29

Last day to submit graduation application for 2015 summer semester

June 1

2015 Summer Session I begins

July 1

Last day for students to submit incomplete work from 2015 spring semester and May Session
Scholarship deadline for PSL students.

July 3 and 4

Fourth of July holiday; no classes held

(Note: Friday and Saturday classes meeting in Session I only have 5 scheduled meeting dates. Faculty must schedule a make-up class session.)

July 11

Summer Session I ends

July 13

Summer Session II begins

August 22

2015 Summer Session II ends

September 28

Date upon which any I (incomplete) grade recorded in ISIS for a summer semester course is automatically replaced by an F grade on a student's academic transcript

FALL SEMESTER 2015

June 1

Financial aid priority filing date for 2015 fall semester
Scholarship deadline for continuing education students

July 6 – August 25

Registration period for 2015 fall semester

August 28

Last day to submit graduation application for 2015 fall semester

August 26

2015 fall semester classes begin

September 7

Labor Day; no classes held

November 25–November 29

Thanksgiving Holiday; no classes held

December 9 - 15

Final examination period for 15-week classes

December 15

Last day of 2015 fall semester

February 15

Scholarship deadline for full-time programs and new students

February 29

Date upon which any I (incomplete) grade recorded in ISIS for a fall semester or January intersession course is automatically replaced by an F grade on a student's academic transcript

JANUARY INTERSESSION 2016

January 4-23

2016 January Intersession

January 18

Martin Luther King, Jr., holiday; no classes held

SPRING SEMESTER 2016

November 2 – January 24

Registration period for 2016 spring semester

November 1

Financial aid priority filing date for 2016 spring semester

January 4

Last day to submit graduation application for 2016 spring semester

January 25

2016 spring semester classes begin

April 1

Financial aid priority filing date for 2016 summer semester

May 2 - May 7

Final examination period for 15-week classes

May 7

Last day of 2016 spring semester

May 18

School of Education Graduation Ceremony

May 19

University-wide Commencement

MAY SESSION 2016

May 9 – May 28

May Session classes

July 1

Date upon which any I (incomplete) grade recorded in ISIS for a spring semester or May session courses is automatically replaced by an F grade on a student's academic transcript.

ADMISSION, REGISTRATION, AND FINANCES

ADMISSION

GENERAL ADMISSION POLICY

The admission process for degree and certificate programs in the School of Education is designed to assure academic quality and program integrity. The admission process respects the dignity, privacy, and academic well-being of the applicant and is based on principles of fairness and equality of opportunity.

Johns Hopkins University is committed to recruiting, supporting, and fostering a diverse community of outstanding faculty, staff, and students. As such, Johns Hopkins does not discriminate on the basis of race, color, gender, marital status, pregnancy, ethnicity, national origin, age, disability, religion, sexual orientation, gender identity or expression, veteran status, or other legally protected characteristic in any student program or activity administered by the university, including the administration of its educational policies, admission policies, scholarship and loan programs, and athletic and other university-administered programs or in employment.

To be admitted to a School of Education degree or certificate program, students must apply online at <http://education.jhu.edu/admission/how-to-apply.html>. At minimum, the application requirements will include:

- an essay
- a CV or résumé
- completed dispositions survey
- three (for doctoral and full-time master's programs) or two (for all other programs) signed letters of recommendation
- official transcripts from all post-secondary institutions attended
- an \$80 application fee

Official copies of undergraduate and, where applicable, graduate transcripts must be mailed to the Office of Admissions, while other application materials--the essay, CV/résumé, dispositions survey, and signed letters of recommendation--can be uploaded electronically using ISIS Self-Service or mailed after the online application has been completed.

To be considered "official," transcripts must be submitted in the institution's sealed envelope. Unless otherwise noted for a specific academic program, all official transcripts and any other application materials being submitted in hardcopy form. Applications should be mailed directly to:

*Johns Hopkins University
School of Education*

*Office of Admissions
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100*

Academic records (transcripts, diplomas, and degree certificates) from non-U.S. institutions must be evaluated by an authorized credential evaluation agency and sent to the Office of Admissions in lieu of transcripts (see International Student Admission Policy).

Applicants seeking to start a full-time master's program in the School of Education must also submit official GRE scores as part of the application process. While the official GRE is only compulsory for applicants seeking to enroll in a full-time master's program, all applicants to School of Education part-time master's programs are encouraged to submit official GRE scores as part of their application package.

In addition to the above requirements, some School of Education programs may stipulate additional admission requirements (e.g., standardized test scores). Applicants should contact the Office of Admissions at soe.admissions@jhu.edu or go online at <http://education.jhu.edu/admission/> to determine specific admission criteria, suitability of prior qualifications, or certification requirements for individual programs.

The admission process, while considering grade point average and, for some programs, standardized test scores, also takes into consideration professional experience and other distinctive characteristics of individual learners.

Qualified applicants may also be contacted to schedule a personal admission interview. Students who provide fraudulent or incomplete information during the admission process will be disqualified or dismissed. Applications are processed and files managed through the School of Education's Office of Admissions; however, admission decisions are made by program admissions committees. All admission decisions rendered are final and cannot be appealed.

To be eligible for federal financial aid, federal regulations require that a graduate student be accepted (unconditionally) into a 15-credit or greater degree or certificate program and maintain an enrollment status of at least half-time each semester (i.e. taking a minimum of 4.5 credits per semester). No funds are available for repeated courses if a student has previously used federal financial aid to pay for the original course.

Admission Decisions by Applicants

Applicants who are offered admission can expect to receive notification of their decision by email. Unless indicated otherwise in the offer email, applicants have two weeks in which to accept, decline, or defer the offer of admission using the School of Education's ISIS Self-Service website at <https://isis.jhu.edu>. The School

of Education offers admission with the expectation that students will enroll in courses in the semester for which they are admitted, unless a deferral is granted (see below).

Deferrals

Admitted students may decide to defer admission into a program for up to one year from the semester for which they were admitted. Admitted students cannot defer admission once they have registered for a course in the School of Education.

*(Note: Newly admitted students who have registered [matriculated] for a course who subsequently wish to withdraw from the course(s) they have enrolled in and re-enroll in the program at a later date should contact the Office of the Registrar—see also *Withdrawing from a Course*.)*

Financial aid and tuition support (e.g., awards) are not automatically deferred. Please inquire with the Financial Aid Office before requesting a deferral. Students with deferred admission status who wish to extend their deferral beyond the initial one-year time period must email a written request to the Office of Admissions at soe.admissions@jhu.edu.

Extended deferral requests are not automatically granted and will be processed by the Office of Admissions. The decision to grant a deferral beyond the one-year time period is at the discretion of the Vice Dean for Academic Affairs (or designee). Students with deferred admission status who have requested an extension of their deferral will be notified via email by the Office of Admissions as to whether their request has been approved or denied.

Students with deferred admission status cannot register for courses in the JHU School of Education. Students with deferred admission status who wish to change their deferred status—for example, in order to enroll in a course before their official period of deferment expires or to withdraw their application from a program completely—should contact both their faculty adviser and the Office of Admissions.

Note: Veterans applying for readmission following inactivation/ deactivation of a previous admission decision cannot be denied entrance for reasons relating to their service.

Undergraduate Programs Admission Policy— Division of Public Safety Leadership

The Division of Public Safety Leadership (PSL) is the only unit in the School of Education that offers undergraduate programs. In addition to the above general admission requirements, applicants for admission to a PSL undergraduate program must:

- Hold a high school degree or equivalent.

- Possess an associate of arts degree from a regionally or nationally accredited college or university or have earned at least 60 transferable college-level credits with a minimum cumulative grade point average (GPA) of 3.0 (on a 4.0 scale).

Qualified applicants may be contacted for an admissions interview. For more information about admission to the School of Education's undergraduate programs, please contact the Division of Public Safety Leadership at 410-516-9900.

Graduate Certificate and Master's Degree Admission Policy

In addition to the above admission requirements, applicants for graduate certificate and master's degree programs must:

- Hold a bachelor's degree (and in some cases a master's degree) from a regionally or nationally accredited college or university.
- Have earned a minimum cumulative grade point average (GPA) of 3.0 (on a 4.0 scale) in all previous undergraduate and graduate studies (including for incomplete programs of study and for programs still in progress).
- Currently serve a federal, state, or local public safety agency, intelligence agency or in the military, or receive an exception from the PSL director.

Note: In exceptional circumstances, the School of Education may consider admitting an applicant whose GPA falls below a 3.0 GPA, provided they demonstrate other qualities that suggest they have the ability to succeed in a given academic program.

Doctoral Degree Admission Policy

See the Doctoral programs web page—<http://education.jhu.edu/Academics/doctoral/>—for the specific admission requirements for the School of Education's Ph.D. and Ed.D. programs.

Full Consideration Application Deadlines

Unless otherwise indicated on the SOE website, the application deadlines detailed in the table below shall apply to all School of Education programs. The School of Education strongly encourages all applicants to apply by the full consideration application deadline. The School of Education guarantees to process any fully completed application received by the full consideration deadline and notify applicants whether they have been admitted or denied admission within the notification timeframes specified above. While some programs may be willing to consider applications received after the full consideration deadline, the School of Education cannot guarantee 1) that late applications will be accepted, and 2) if a late application is accepted, that admission decisions will be processed within the notification timeframes specified above.

Note: To determine if a program is exempt from the above application deadlines or has extended its application deadline, please contact the Office of Admissions at 410-516-9797 or refer to the School of Education’s admissions website, <http://education.jhu.edu/admission/>.

HEALTH INSURANCE FOR SCHOOL OF EDUCATION

STUDENTS

Full-Time Students

It is University policy that all full-time students maintain adequate health insurance coverage to provide protection against unexpected accidents and illnesses. For the 2015-16 academic year, students in full-time programs must complete an online enrollment form with the Johns Hopkins University Student Health Benefit plan. International Students are required to purchase the University plan and will be automatically enrolled. This plan is administered by the Consolidated Health Plans, Inc. (CHP) and has contracted with Cigna for the plan’s provider network of hospitals, physicians,

and other health care providers. The 2015-16 annual fee for a student is \$1,800. The annual coverage is August 15, 2015–August 14, 2016. Fall enrollment begins July 1 and ends September 15, 2015. You may enroll via ISIS Self-Service at <https://isis.jhu.edu/>.

For more detailed information about the insurance plan or if your academic program does not begin in the fall, please contact the Office of the Registrar at soe.registration@jhu.edu or 410-516-9816.

Part-Time Students

All currently enrolled part-time students may enroll in the Johns Hopkins University Student Health Benefit Plan administered by the Consolidated Health Plans, Inc. (CHP). Information about enrollment dates and costs are listed above. If you or your spouse loses your insurance and need to enroll in the student health plan, please contact the Office of the Registrar to find out the procedures for enrolling.

INTERNATIONAL STUDENT ADMISSION POLICY

Demonstration of English Language Proficiency by Non-native-speaking Applicants

As one measure of potential for academic success while a student in the School of Education, international applicants must demonstrate proficiency in both written and spoken English.

To demonstrate proficiency, international applicants must submit official TOEFL (Test of English as a Foreign Language) or International English Language Testing System (IELTS) scores if English is not their native language. The minimum TOEFL requirement is 600 (paper-based) or 100 (Internet-based). The minimum IELTS requirement is 7.0. In addition, applicants to certain graduate degree programs may be required to provide additional evidence of English proficiency, including:

- an in-person or telephone interview (for example, via Skype) with an admission committee member

Admission Term	Full Consideration Application Deadline	Timeframe for Notifying Full Consideration Applicants
Summer	February 1	6-8 weeks
Fall- Non-Doctoral Programs	April 1	6-8 weeks
Fall- Doctoral Programs Only	December 1	8-10 weeks
Spring	October 1	6-8 weeks

- a writing sample certified to be the applicant's own work
- a writing examination administered by the School of Education

The respective program admissions committee will determine and request the additional evidence of English proficiency required for admission to the given program.

The program admissions committee may grant a waiver from the TOEFL/IELTS requirement if the applicant has demonstrated by other means sufficient proficiency in spoken and written English for success in the program. An applicant may file a TOEFL/IELTS waiver request form when submitting his/her application to the Office of Admissions. The waiver form can be found online at <http://www.students.education.jhu.edu/forms/>.

Some international applicants may be admitted with the requirement that they complete a workshop(s) and/or course(s) in spoken and/or written English.

Admissions Policy for International Students Requiring a Student (F-1) Visa

An international applicant requiring a student (F-1) visa to attend school must obtain full admission to a degree program well in advance of the start of the semester. The School of Education does not issue certificates of eligibility (Form I-20) for conditional acceptance to a degree program, nor does it issue an I-20 for any certificate programs. The application and other required admission documents must be received by the Office of Admissions on or before the posted application deadlines. If applications and other required documents are not received by the Office of Admissions on or before the deadline, the application will automatically be considered for the next available semester.

F-1 students are required to show proof that they can afford all tuition and expenses for the academic year in order to receive their I-20 status.

Note: For summer semester admissions, international applicants may be considered for full-time graduate degree programs only. Applications for part-time degree programs beginning in the summer will not be considered.

International Credential Evaluation

Applicants who hold degrees or have earned credits from non-U.S. institutions must have their academic records evaluated by a credential evaluation agency before they can be considered for admission to a degree program or for Graduate Special Student (Non-Degree) status.

Applicants should make arrangements with an authorized credential evaluation agency for an evaluation

of their academic credentials, an assessment of the overall grade point average, and a course-by-course evaluation. The official course-by-course evaluation should be sent to the Office of Admissions in lieu of academic transcripts.

Evaluations should be sent by the agency to:

*Johns Hopkins University
School of Education
Office of Admissions
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100*

Because fees and documents required for evaluation may vary by agency, applicants are encouraged to contact the agencies directly for additional information.

The following is a sample list of recognized credential evaluation agencies:

*World Education Services, Inc.
Bowling Green Station
PO Box 5087
New York, NY 10274-5087
Telephone: 212-966-6311
Fax: 212-739-6100
Email: info@wes.org
Website: www.wes.org*

*AACRAO International
Education Services
One Dupont Circle, NW
Suite 520
Washington, DC 20036
Telephone: 202-296-3359
Fax: 202-822-3940
Email: ies@aacrao.org
Website: www.aacrao.org*

*Educational Credential Evaluators
PO Box 514070
Milwaukee, WI 53203-3470
Telephone: 414-289-3400
Fax: 414-289-3411
Email: eval@ece.org
Website: www.ece.org*

International Student Services

Upon receipt of an acceptance package from the School of Education, the international student who needs to obtain a student (F-1) visa is required to contact the Office of International Services (OIS) at 667-208-7001 or ois@jhu.edu to request a certificate of eligibility (Form I-20). The I-20 is not automatically sent with the acceptance package. Before an I-20 is issued, the international student is required to send

financial documentation and a notarized affidavit of support to:

*Johns Hopkins University
School of Education
Office of Admissions
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100*

Current information on the required amount of funds, types of acceptable financial documentation, and forms may be found online at <http://www.students.education.jhu.edu/studentaffairs/international/>. In order to maintain F-1 visa status, students must adhere to the regulations set by the U.S. Citizenship and Immigration Services (USCIS).

Failure to abide by any of the regulations could result in students being considered “out of status” by the USCIS.

Upon arrival at Johns Hopkins, international students on an F-1 visa are required to visit OIS and bring passports, I-94 cards, and I-20s.

Before leaving the United States for any reason, the I-20 must be signed by an OIS staff member in order for the student to re-enter the country. It is imperative to schedule an appointment with OIS four weeks prior to the departure date.

Students on an F-1 visa must pursue a full course of study at the school listed on the currently valid Form I-20 during every academic session or semester, except during official school breaks. Full-time status/full course of study is defined by the School of Education as being enrolled in minimally nine credits each fall and nine credits each spring semester for graduate study, and as being enrolled in minimally 12 credits each fall and 12 credits each spring semester for undergraduate study. Credits completed during the January intersession are included in the total number of credits for the preceding fall semester, and those in the May session are included in the total number of preceding spring credits (for example, six credits completed in fall 2015 and three credits completed in the January intersession 2016 total nine credits for the fall 2015 semester). Summer semester courses are not considered when calculating full-time F-1 visa status, although credit earned during summer semester courses may be applied toward a student’s degree.

In order to comply with USCIS regulations, all F-1 students are required to register for the full course load at the beginning of each fall and each spring semester. Other regulations are outlined in the letter the international student receives with the Form I-20. Assisting students on F-1 visas is central to the support for international students provided by OIS. The office can also assist students who hold other nonimmigrant

visas and direct them to the appropriate resources or government offices. If students are unclear about the type of visa they should obtain, they should visit the USCIS website at www.uscis.gov for additional information, or contact OIS at 667-208-7001 or ois@jhu.edu with any questions.

All current international students on F-1 visas sponsored by the School of Education are automatically subscribed to the International Service listserv upon the first semester of enrollment. Regular updates are sent regarding visa-related matters and other items of interest to international students.

Note: Federal financial aid is not available for international students.

International Graduate Special Students (Non-Degree)

International applicants who hold types of visas other than an F-1 visa and who wish to enroll as part-time Graduate Special Students (Non-Degree) should follow the application directions outlined under Graduate Special Students (Non-Degree). International graduate students attending other institutions on student (F-1) visas during the regular academic year are also welcome to enroll as Graduate Special Students (Non-Degree) during the summer. For more information, contact the Office of Admissions at 410-516-9797.

GRADUATE SPECIAL STUDENTS (NON-DEGREE)

Post-baccalaureate students who wish to take graduate level credit courses (.500-level and above), but who are not interested in earning a degree or certificate, may enroll as Graduate Special Students (Non-Degree). Potential Graduate Special Student (Non-Degree) applicants should speak with the Office of Admissions (410-516-9797) before applying.

Note: Graduate Special Student (Non-Degree) status is not permitted for persons seeking initial teacher certification, nor are Graduate Special Students (Non-Degree) eligible to apply for financial aid.

Graduate Special Students (Non-Degree) must meet all prerequisites for course registration and are subject to School of Education academic standards. Graduate Special Students (Non-Degree) must possess a bachelor’s or graduate degree from a regionally or nationally accredited college or university and have earned a minimum cumulative grade point average of at least 3.0 (on a 4.0 scale) in all previous undergraduate and graduate studies (including incomplete programs of study and for programs still in progress). Applicants

wishing to register for courses above the .500-level must receive the approval from the academic area of emphasis to which the course belongs. Some courses are restricted to degree-seeking students only.

Graduate Special Student (Non-Degree) applicants must submit:

- an application online at <http://education.jhu.edu/admission/special-student.html>
- \$25 application fee
- official transcripts from all accredited post-secondary institutions attended

Graduate Special Student (Non-Degree) applicants will receive an admission decision via email, generally no more than two weeks after submission of the complete application.

Graduate Special Students (Non-Degree) Seeking to Apply to a Full Degree/Certificate Program

Graduate Special Students (Non-Degree) who subsequently wish to enroll in a School of Education degree or certificate program must submit a new application and all required supporting materials (see General Admission Policy above).

Prior admission as a Graduate Special Student (Non-Degree) does not guarantee subsequent admission to a School of Education degree or certificate program. Any application of credits earned as a Graduate Special Student (Non-Degree) toward a degree or certificate is subject to approval by the program admissions committee. The number of credits earned by a Graduate Special Student (Non-Degree) that may be applied toward a School of Education degree or certificate varies by program, but in no case shall exceed 9 credits. Graduate Special Students (Non-Degree) who do not intend to pursue or apply credits toward a degree or certificate program may register for courses totaling more than 9 credits, but in no circumstances can these additional credits be applied toward a School of Education degree or certificate program.

School of Education Alumni Seeking Enrollment as Graduate Special Students (Non-Degree)

Graduate Special Student (Non-Degree) status is well suited for School of Education graduate degree- and certificate-holders who are interested in taking additional courses for personal and professional development, as opposed to pursuing another degree or certificate. School of Education alumni may enroll in further courses by completing the online application. No additional transcripts or application fees are required for this status.

TRANSFER OF CREDITS

Transfer of Undergraduate Credits

Undergraduate degree applicants may transfer credits for courses taken at regionally or nationally accredited institutions of higher education when a grade of C or above has been earned. Transfer credits will be viewed in the context of the student's proposed program of study. Transfer credits will be judged as appropriate to the student's program by the program director.

A student may also receive credit by achieving a minimum score, as determined by the School of Education, on Advanced Placement (AP), College-Level Examination Program (CLEP), or DSST examination programs approved by the American Council on Education's Center for Lifelong Learning.

A maximum of 60 credits may be transferred into an undergraduate degree program in the School of Education, including credits by examination. Decisions regarding the acceptance of undergraduate transfer credits are made by the Division of Public Safety Leadership's admissions committee and will be evaluated on a case by case basis. Prospective students should request a preliminary transfer evaluation by calling the Division at 410-516-9900 prior to submitting an application.

Transfer of Graduate Credits

The maximum number of graduate credits earned at another regionally or nationally accredited college or university that may be transferred into a graduate certificate or master's program in the School of Education varies by program, but in no case shall exceed three credits for graduate certificates and six credits for master's degrees.

For doctoral programs, the maximum number of transferable graduate credits allowed is 36 credits for the Ed.D. program and 18 credits for the Ph.D. program. Graduate-level credits that were earned as part of a bachelor's degree program cannot be transferred into an SOE graduate program.

In most cases, for graduate certificate or master's programs, the School of Education will normally only accept transfer credits for courses taken no more than five years prior to a student's acceptance into the program. The final decision regarding whether or not to accept graduate transfer credits, whether earned externally or internally (i.e. via another School of Education or other Johns Hopkins University graduate program), into a School of Education certificate or degree program rests: 1) (for applicants) with the respective program admissions committee, or 2) (for enrolled students) with the faculty adviser or major adviser (for doctoral students), and will be decided upon on a case by case basis. Only graduate level credits

earned at the grade of “B” or above (or equivalent) may be transferred into a School of Education graduate degree or certificate program.

A matriculated graduate student in the School who, under extraordinary circumstances, wishes to take a course offered by another institution to satisfy School of Education degree requirements must obtain written approval in advance from the Vice Dean for Academic Affairs (or designee). Approval is granted only in exceptional cases.

CHANGING PROGRAMS

Applicants

Applicants to degree or certificate programs who wish to change to another degree or certificate program offered within the School of Education must submit a request in writing to the Office of Admissions at soe.admissions@jhu.edu.

Admitted Students

Students who have already been admitted to a degree or certificate program, and who wish to change to another degree or certificate program within the School of Education, must submit a written request to the Vice Dean for Academic Affairs (or designee). The Vice Dean (or designee) will determine (on a case by case basis and in consultation with other parties as necessary) the appropriate course of action thereafter—for example, whether the student must resubmit formal applications and all other required materials (excluding transcripts and fees) to the Office of Admissions and whether the student can transfer credits from one School of Education program to another.

Students seeking to change programs are not automatically admitted to a new program; their requests must be approved by the appropriate person(s) and the decision communicated directly to the student. Financial aid recipients must notify the financial aid office when changing a degree or certificate program.

ADDING A SECOND MASTER’S DEGREE

Graduates with a School of Education master’s degree who subsequently enroll in a second master’s program must complete a minimum of 30 additional credits beyond the first master’s program to earn a second master’s degree. The second master’s program may, however, include specific program requirements that obligate students to take more than the minimum 30 additional credits. (Refer to individual program descriptions for specific credit requirements.) Students should submit an online application. Application requirements (excluding transcripts and fees) such as the essay, CV/résumé, dispositions survey, and signed letters of recommendation can be uploaded electronically using ISIS Self-Service or mailed to:

*Johns Hopkins University
School of Education
Office of Admissions
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100*

Note: Students may not enroll in two master’s programs concurrently.

ADMISSION TO OTHER SCHOOLS OF THE

UNIVERSITY

Students in the School of Education who wish to transfer to one of the other schools in the university (such as Engineering, Public Health, or the Carey Business School) are required to submit an admission application to that school. Admission to the School of Education establishes no claim or priority for admission to any other school in the University. Documents submitted to the School of Education as part of the application process are not transferable to other schools of the University and remain on file within the School of Education for one year.

ADVISING

By consulting with their faculty adviser (or the division adviser for PSL students)* throughout their academic program, students can ensure conformity to program curricula and regulations, select coursework to best meet professional goals, and stay on track for timely completion of their academic program. (*Note: For many procedural questions—regarding registration, for example—students [except those in PSL] should consult with an academic program coordinator rather than their faculty adviser.*) Faculty advisers are assigned to each student [except those in PSL] upon admission to a program. Advising may be done in person, by phone, or by email.

When to seek advising:

- Prospective students are encouraged to speak with the academic program coordinator or the faculty contact designated for each academic area of emphasis, or the division adviser (for PSL programs), prior to submitting an application.
- Newly admitted students are expected to speak with their faculty adviser (or division adviser for PSL students) to set up a program of study prior to registering for their first class.
- Graduate Special Students (Non-Degree) students should contact the Office of Admissions (410-516-9797) prior to applying. (*Note: Graduate Special Students (Non-Degree)*

students wishing to register for courses above the .500-level must receive the approval from the academic area of emphasis to which the course belongs.)

- Matriculated students who have not registered for a course in more than a year should consult with their faculty adviser (or division adviser for PSL students) prior to registering for additional classes.
- When planning courses in their concentration area, students should schedule appointments with their faculty adviser prior to registering for advanced-level graduate coursework.
- Students on academic probation or suspension are required to meet with their faculty adviser (or division director for PSL students) prior to re-registration.

Note: PSL students can contact the division adviser by calling 410-516-9900.

REGISTRATION

Registration Calendar: Registration Start and End Dates for Academic Year 2015-16	
Semester	Start and End Dates
Summer Registration	March 30-May 31
Summer Session 1	June 1- July 11
Summer Session 2	July 13-August 22
Fall/January Intersession Registration	July 6-August 25
Fall Start and End Dates	August 16-December 15
January Intersession Start and End Dates	January 4-23
Spring/May Session Registration	November 2- January 24
Spring Start and End Dates	January 25-May 7
May Session Start and End Dates	May 9-28
<i>Please note: Students may register late for any course provided that it has not had its first meeting and the course is not already full.</i>	

GENERAL REGISTRATION POLICY

Only students who have been admitted to a program (or as a Graduate Special Student) may register for courses. Students are encouraged to register for courses as early as possible during each registration period since a course may close or be canceled due to low enrollment before the end of registration. Students may not sit in on a class without being officially registered for that class, nor should they contact instructors to request permission to register for or attend a closed course. Students who fail to complete their registration and sit in on a class will not receive a grade or credit for attending class.

Registration begins several months before each semester (see Registration Calendar). Students who have been admitted to a program may register for courses online using the School of Education's ISIS Self-Service website at <https://isis.jhu.edu/>. Registration materials may also be brought to any campus center or to the Office of the Registrar at the Columbia Center. When registering online, by mail, or by fax, students

may choose to pay then or be electronically billed (see the Student Accounts section in the catalog for more details).

When students initially register for courses each semester, they will be charged tuition fees and a nonrefundable \$175 registration fee. Following their initial course registration, students may register for additional courses without being subject to any additional course registration fees (see Adding a Course below).

January intersession is considered a separate semester from the fall and spring semesters. However, students may register for the January intersession at the same time they register for fall semester courses, and one registration fee covers both semesters. May session courses are considered spring semester courses. Students should register for May session courses at the same time they register for spring semester courses.

Registrations are processed as they are received. If a selected course is full, a student may be placed in an alternate course. Additional information regarding registration may be found in the online course schedule, <http://education.jhu.edu/courseschedule/>.

Note: Students should use their student JHED ID number to register for courses. All outstanding debts to Johns Hopkins University must be paid in full in order to register for courses.

ADDING A COURSE

Following initial course registration (see General Registration Policy above), students may register for additional courses (or "add" a course), provided that the course(s) has not met for the first time and is not already closed. Students also may add alternate format courses (i.e., mini-courses, or those that meet for one or two weeks) any time before the first class meeting, provided the course is not closed. Students may not add a course once that course has held its first class meeting. Students may add courses online using the ISIS Self-Service website at <https://isis.jhu.edu/>, or by submitting the facsimile Add/Drop Form (downloadable from the School of Education's Current Students website at <http://www.students.education.jhu.edu/forms/> in person, by fax at 410-516-9817, or by mail to:

*Office of the Registrar
Johns Hopkins University School of Education
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100.*

(Johns Hopkins employees must submit a tuition remission voucher. Faxed copies of the vouchers are acceptable).

When dropping one course and adding another course during the first two weeks of the semester, 100 percent of the tuition from the dropped course may be applied to the tuition of the added course, provided that the added course has not met. (To ensure that 100 percent of the tuition from the dropped course will be applied to the course being added, the Add/Drop Form must be submitted in person to the Office of the Registrar or by fax at 410-516-9817.) After the second class meeting, a student who wishes to drop a 12- to 15-session course and add an alternate format course (provided the alternate format course has not already held its first class meeting or is closed) may apply the appropriate refund from the dropped course to the tuition of the added course.

DROPPING A COURSE

Students may drop a course without financial penalty up to the date of the first class using the ISIS Self-Service website at <https://isis.jhu.edu/>, or by submitting the facsimile Add/Drop Form (downloadable from the School of Education’s Current Students website at <http://www.students.education.jhu.edu/forms/>), in person, by fax at 410-516-9817, or by mail to:

*Office of the Registrar
Johns Hopkins University
School of Education
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100*

Students who drop a course after the first class has met receive a prorated tuition refund. Tuition refunds are calculated from the date the drop occurs (if done online) or the date that the Office of the Registrar receives the facsimile Add/Drop Form (see Refund Schedule). The registration fee is nonrefundable. Students dropping to less than half-time status will have their federal aid canceled and will be responsible for any debit balance created.

WITHDRAWING FROM A COURSE

To withdraw from a course, students must submit the facsimile Add/Drop Form (downloadable from the School of Education’s Current Students website at <http://www.students.education.jhu.edu/forms/>) in person, by fax at 410-516-9817, or by mail to:

*Office of the Registrar
Johns Hopkins University
School of Education
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100*

Students may not withdraw from courses online using the ISIS Self-Service website. Notice to the instructor of intent to withdraw is not sufficient, nor are telephone withdrawals accepted. The Withdrawal/Audit Calendar lists the last date each semester to withdraw without academic penalty (without receiving the grade of F). Students should contact the Office of the Registrar at 410-516-9816 to confirm the last date to withdraw without academic penalty or to change to

Withdrawal/Audit Calendar					
Transcript Notation	2-Day Minicourses	January Intersession/ May Session	Courses That Meet 4-9 Class Sessions	Courses That Meet 10-14 Class Sessions	Courses That Meet 15 or More Sessions
No notation if course is dropped	prior to the 1st class meeting	prior to the 3rd class meeting	prior to the 2nd class meeting	prior to the 3rd class meeting	prior to the 4th class meeting
WD notation if course is dropped	from the 1st to the 2nd class meeting	from the 3rd to the 5th class meeting	from the 2nd to the 3rd class meeting	from the 3rd to the 6th class meeting	from the 4th to the 8th class meeting
May not withdraw or change	once the 2nd class begins	once the 6th class begins	once the 4th class begins	once the 7th class begins	once the 9th class begins

Note: The schedule in the Withdrawal/Audit Calendar applies to both online and in-person courses.

auditor status for other alternate format courses.

Students who withdraw after the official withdrawal date deadline or stop attending class at any time without properly submitting an official Add/Drop Form receive an F (Failure) grade for the course(s). Tuition refunds are calculated from the date the Office of the Registrar receives the Add/Drop Form (see Refund Schedule). The registration fee is nonrefundable. Financial aid recipients will have their aid award adjusted according to credits registered. International students on an F-1 visa are advised to contact the International Services Office at 410-516-1013 before withdrawing or dropping a course.

AUDITING COURSES

Students who register as auditors pay full course tuition. Regular attendance is expected, and the course is recorded on the student's transcript. Auditors are not required to complete quizzes, examinations, and other assigned work and do not receive academic credit for the course. Audited courses do not count toward the credits required for financial aid eligibility. Not all courses are open to auditors.

Students enrolled for credit who wish to change to auditor status must submit official Add/Drop Forms (dropping the class for credit and adding the same class for audit) before the appropriate deadline each semester, as noted in the Withdrawal/Audit Calendar. For the last day to change to auditor status for alternate format classes, students should consult the Withdrawal/Audit Calendar, or contact the Office of the Registrar at 410-516-9816.

WAIT LISTS

If the course for which a student is attempting to register is full (i.e., it has met its enrollment limit), that student may opt via the ISIS Self-Service website at <https://isis.jhu.edu/> to be placed on a wait list. Students placed on a wait list for any course will be contacted in the order in which they were placed on the list. Students should not contact the instructor to request approval to be removed from the wait list and officially registered for a course. Students may wait list for only one section of a particular course. The Office of the Registrar will contact the student (via the student's JHU email address) only if an opening occurs prior to the first class meeting of the course. Students may not participate in a class unless officially registered for it. Wait listing for a course is not an official registration.

COURSE LOAD

A student who is employed full-time is encouraged to take only one or two courses each semester, and must receive written permission from a faculty adviser before registering for three or more courses. To accelerate a

course of study, students should consider enrolling in the January intersession or May session.

Full-time undergraduate students are those who enroll for twelve or more credits each semester. Full-time graduate students are those who enroll for nine or more credits each semester. Part-time graduate students are those who enroll for less than full-time each semester as previously defined. Graduate courses require an average of three hours outside preparation for each class hour.

LEAVE OF ABSENCE

A student may be placed on leave of absence for personal or other reasons. The approval of the Vice Dean for Academic Affairs (or designee) is required before leave is granted for a specific period, not normally to exceed one year. (A student whose leave of absence status expires has the option to request a leave of absence extension on a yearly basis, subject to the approval of the Vice Dean (or designee).) A request for a leave of absence is not automatically granted—decisions will be made on a case-by-case basis. If a leave of absence is granted, the Vice Dean (or designee) will notify the Office of the Registrar.

There is no fee for a leave of absence. The period of leave is considered an approved interruption of the degree program and will not count toward the maximum time allowed for degree completion.

A student seeking to be placed on a leave of absence, extend a leave of absence, or be reinstated following a leave of absence must submit the request in writing (using either the Leave of Absence Request form or Approval for Reinstatement Following a Leave of Absence form) to SOE's Office of Student Affairs, having first obtained the signature approval of his/her faculty adviser or (for PSL students) division director. The form and any supporting materials should be mailed to the following address:

*Johns Hopkins University
School of Education,
Office of Student Affairs,
6740 Alexander Bell Drive,
Columbia, MD 21046
or emailed to soe.students@jhu.edu.*

The Office of Student Affairs shall forward the petition to the Vice Dean for Academic Affairs (or designee), who will make the final decision.

Students granted a leave of absence will also need to withdraw from any course(s) in which they are enrolled at the time the request is approved (see Withdrawing from a Course). Students placed on a leave of absence are still required to meet tuition/fee and financial aid obligations.

Note: Veterans applying for readmission following inactivation/ deactivation of a previous admission decision cannot be denied entrance for reasons relating to their service.

WITHDRAWAL FROM A PROGRAM

A student wishing to withdraw from a program should consult first with his/her faculty adviser. If a student decides to withdraw from a program, s/he must file written notice with the Vice Dean for Academic Affairs (or designee) and with the Office of the Registrar. In addition to filing written notice to withdraw from a program, students must also notify the Office of the Registrar, using the Add/Drop form (see Withdrawing from a Course), if they also wish to withdraw from any course(s) in which they are currently enrolled at the time the decision is made to withdraw from a program.

A student who formally withdraws from a program, but who subsequently wishes to be reinstated to the program, must reapply following the School's regular application process.

Note: Students who wish to switch programs rather than withdraw from the University entirely should refer to the School of Education's policy on Changing Programs

INTERDIVISIONAL REGISTRATION

During the fall and spring semesters, degree-seeking students in the School of Education may register for courses in another school at Johns Hopkins University by submitting a Registration Form (downloadable from the School's Current Students website at <http://www.students.education.jhu.edu/forms/> with the host school's course and section number. This form may be submitted in person, by fax at 410-516-9817, or by mail to:

*Office of the Registrar
Johns Hopkins University
School of Education
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100*

The SOE student's faculty adviser must approve the interdivisional registration and documentation of the approval should be attached to the Registration Form. Payment for the course should be included with the Registration Form. All appropriate approval signatures from the School of Education must be obtained before the registration can be processed. SOE students pay the per-credit rate of the school offering the course. Graduate Special Students (Non-Degree) in

the School of Education are not permitted to register interdivisionally.

Students from other divisions (except the schools of Arts and Sciences and Engineering) of the University may take courses offered by the School of Education by completing the Interdivisional Registration Form, including all appropriate signatures from their home school and from the School of Education, and submitting it to their home school Registrar for processing. Students in Arts and Sciences and Engineering programs should use the Supplemental Registration Form, available from the Homewood Registrar's Office, which requires the permission of their faculty adviser and the SOE Vice Dean for Academic Affairs (or designee). School of Education students have priority in registering for School of Education courses. All interdivisional students must abide by School of Education policies, procedures, and deadlines. All published prerequisites for the course must be met prior to enrollment.

Students from the Zanvyl Krieger School of Arts and Sciences (other than those in Advanced Academic Programs), Whiting School of Engineering (other than those in Engineering for Professionals), Bloomberg School of Public Health, School of Medicine, School of Nursing, Paul H. Nitze School of Advanced International Studies, and the Peabody Institute should follow the same registration procedures for summer as for fall and spring, with the exception that payment for the summer course needs to accompany the registration.

Students from Advanced Academic Programs in the Zanvyl Krieger School of Arts and Sciences and Engineering for Professionals in the Whiting School of Engineering register and pay for summer courses as they do for fall and spring courses (through their home school's Registrar's Office). For more information, students should contact the Office of the Registrar at 410-516-9816.

REFUNDS

Students who officially drop or withdraw from a course during an academic semester will receive tuition refunds based on the above Refund Schedule. Refunds apply only to the tuition portion of a student's charges and are calculated from the date drop occurs (if done online) or the date that the Office of the Registrar receives an official Add/Drop Form. Refunds are not applicable to registration and other non-tuition fees and are not granted to students suspended or dismissed for disciplinary reasons.

Federal aid recipients who withdraw from all coursework will have aid returned to the federal government according to federal "Return of Title IV funds" regulations (see Policy on Return of Title

IV Funds online at <http://www.students.education.jhu.edu/financial/titleivreturns.html>. Those partially withdrawing will have their aid awards adjusted to the reduced cost of attendance. Students who drop to less than half-time prior to commencing courses that yield half-time attendance will have their federal aid canceled, even portions which may have been refunded to them for living expenses, and will receive a bill from the School for the balance due.

If a course is canceled by the School, the tuition is refunded in full, and the registration fee is refunded if that course was the only course for which the student registered. All refunds will be approved by the Office of the Registrar in accordance with the Refund Schedule. A refund may take four to six weeks to process. Students will receive refunds according to the method of payment they originally used to pay their tuition.

Exceptions to the Refund Policy

Students may receive an exception to the refund policy for extraordinary circumstances beyond their control, provided that the request is made during the same semester in which the course is taken and that the circumstances can be documented. Maximum refunds under such circumstances will be equal to one refund level higher than the student received. Students who experience severe medical problems, a death in their immediate family, or are called into active duty may receive a 100 percent refund. All petitions including supporting documentation should be submitted in writing to:

*Office of the Registrar
Johns Hopkins University
School of Education
6740 Alexander Bell Drive, Suite 110*

Refund Schedule					
<i>Note: The Refund Schedule applies to both online and in-person courses. Registration fees are nonrefundable.</i>					
	2-day mini-courses	January Intersession/May Session	Courses that meet 4-9 class sessions	Courses that meet 10-14 class sessions	Courses that meet 15 or more class sessions
100%	From the day of registration prior to the beginning of the 1st class meeting				
80%	not applicable	from the 1st class meeting prior to the beginning of the 2nd class	not applicable	from the 1st class meeting and prior to the 2nd class meeting	from the 1st class meeting and prior to the 3rd class meeting
70%	not applicable	from the 2nd class meeting and prior to the 3rd class meeting	from the 1st class meeting and prior to the 2nd class meeting	from the 2nd class meeting and prior to the 3rd class meeting	from the 3rd class meeting and prior to the 4th class meeting
50%	from the 1st class meeting and prior to the 2nd class meeting	from the 3rd class meeting and prior to the 5th class meeting	from the 2nd class meeting and prior to the 3rd class meeting	from the 3rd class meeting and prior to the 5th class meeting	from the 4th class meeting and prior to the 7th class meeting
0%	once the 2nd class begins, there is no refund	once the 5th class begins, there is no refund	once the 3rd class begins, there is no refund	once the 5th class begins, there is no refund	once the 7th class begins, there is no refund

Columbia, MD 21046-2100

Note: Students in online distance education programs who are resident in Wisconsin are entitled to a tuition refund in accordance with Wisconsin law. For more information, please view http://web.jhu.edu/administration/provost/programs_services/accreditation/state_authorization.

IMMUNIZATION LAW FOR NEW AND CONTINUING

STUDENTS UNDER THE AGE OF 26

According to Washington, DC, Immunization Law 3-20, students under the age of 26 who attend classes in Washington, DC, must get vaccinations for Measles, Mumps, Rubella (MMR) and Tetanus/Diphtheria. Students will need to submit proof of their immunizations (using the Immunization Form downloadable from the School of Education's Current Students website at <http://www.students.education.jhu.edu/forms/> the first semester they register for courses in Washington, DC. Completed immunization forms can be faxed to the Office of the Registrar at 410-516-9817. Students who may have already submitted proof of immunizations for another school/program within Johns Hopkins University are required to resubmit the form to the School of Education's Office of the Registrar to fulfill the requirement, as these forms are not transferable across schools/programs. A registration hold will be placed on the student's record if completed immunization forms are not submitted by the following semester's registration period.

Please note that the School of Education is not currently offering any classes in Washington, DC.

ATTENDANCE/PARTICIPATION

Participation in lectures, discussions, and other activities is an essential part of the instructional process. Students are expected to attend class regularly; those who are compelled to miss class meetings should inform their instructors of the reasons for absences. Faculty often include classroom participation and attendance in student grading and evaluation. In such cases, the instructor will clearly communicate attendance/participation expectations and how this is weighted in terms of grading (for example, the penalty, if any, for an unauthorized absence from class) in the course syllabus. Students who expect to miss several class sessions for personal, professional, religious, or other reasons are encouraged to meet with their faculty adviser to consider alternative courses prior to registration.

EXAMINATIONS

A student who must miss an examination should notify the instructor. If the absence is justifiable, the instructor may permit a deferred examination.

RELIGIOUS HOLIDAY OBSERVANCE

Religious holidays are valid reasons to be excused from class. Students who must miss a class or examination because of a religious holiday must inform the instructor as early in the semester as possible in order to be excused from class and to make arrangements to make up any work that is missed. Students who expect to miss several classes because of religious holidays are encouraged to meet with their faculty adviser to consider alternative courses prior to registration.

GRADUATE DEGREE PROGRAM REQUIREMENTS

Once admitted to a graduate degree program in the School of Education, students must complete all coursework at Johns Hopkins University, except with prior written approval from a faculty adviser. Exceptions are rarely given (see Transfer of Credits section above).

Graduate students must have a cumulative grade point average of at least 3.0 (on a 4.0 scale) to maintain eligibility for financial aid and to receive approval for graduation.

Unless indicated otherwise, graduate students enrolled in master's or certificate programs have a maximum of five years to complete their degree. Furthermore, with the exception of transfer credits, all credits applied toward a degree or certificate must have been earned within five years prior to the point a student becomes eligible to graduate. Any request for an exemption to this policy—for example, extending the time period allowed to complete a degree/certificate—must be submitted in writing by the student to and approved by the Vice Dean for Academic Affairs (or designee). Prior to submitting a formal written request to the Vice Dean (or designee) for an exemption, students are encouraged to discuss matters first with their faculty adviser or (for PSL students) division director.

DISABILITY SERVICES

The Disability Services Office collaborates with students, instructors, and staff to provide equitable, inclusive, and sustainable learning environments that promote academic success for all students. Students needing academic accommodations must register with the Disability Services Office by contacting soe.disabilityservices@jhu.edu or 410-516-9734. Recent documentation from a credentialed professional must be provided—all information remains confidential.

The Disability Services Office recognizes the diverse characteristics and experiences of the School

of Education community and commits to creating a climate of mutual respect that supports one another's success. For more information, visit <http://www.students.education.jhu.edu/disability/>.

TUITION AND FEES

Prior to the first day of the summer, fall (including January intersession), and spring (including May session) semesters, students may select from a number of payment options (refer to the Student Accounts section in this catalog for details).

Registration requests cannot be processed unless accompanied by appropriate payment or selection of an available payment option.

Students who have just begun the financial aid application process may not check "financial aid" in lieu of payment at the time of registration. Students wishing to receive financial aid must pay for courses at the time of registration if they have not completed all required documentation.

Tuition for each course (including laboratory or computer fees) is included in the course listings.

ACADEMIC YEAR 2015-16 TUITION Graduate and Doctoral Programs in Education

Full-time Programs

- Full-time master's programs: \$1,000 per credit
- Full-time Master of Arts in Teaching (MAT): \$39,000
- Full-time Master of Science in Special Education with a concentration in Mild-to-Moderate Disabilities: \$39,000
- Full-time Master of Science in Counseling with a concentration in School Counseling (Fellows Program): \$48,000
- Full-time doctoral programs: \$43,923 per academic year*

*Note: Students in the full-time Ph.D. program who take courses over the summer semester pay the standard part-time credit tuition rate (\$1,464 per credit) for Ph.D. doctoral level courses.

Part-time Programs

- Graduate-level programs: \$740 per credit for all locations/programs, except for those programs noted below
- Online master's level and graduate certificate programs: \$790 per credit
- Online Master of Education in the Health Professions (MEHP)/Post-Master's Certificate in Evidence-Based Teaching in the Health Professions programs: \$1,200/\$700 per credit*

*Note: Courses in the MEHP and Post-Master's Certificate in Evidence-Based Teaching in the Health Professions programs are \$1,200 per credit, with the exception of Johns Hopkins University and Johns Hopkins Hospital and Health System employees, who pay \$700 per credit.

- Online EdD program: \$4,000 per course
- PhD program: \$1,464 per credit

Public Safety Leadership Programs

- Bachelor of Science in Organizational Leadership: \$690 per credit
- Master of Science in Organizational Leadership (face-to-face option): \$1,010 per credit
- Online Master of Science in Organizational Leadership: \$900 per credit
- Master of Science in Intelligence Analysis: \$1,260 per credit

Application Fee

- \$80 application fee for degree or certificate programs
- \$25 application fee for graduate special (non-degree) status

The application fee, which must be submitted with the application, is nonrefundable and cannot be waived or deferred, except in certain circumstances for School of Education alumni (see Note below).

Note: Students who have previously earned a bachelor's, master's, or doctoral degree from the School of Education are not required to submit an application fee or transcript when they apply for admission to a second degree or certificate program. Students who have graduated from a School of Education certificate program, and who apply for admission to a degree or to a second certificate program within one year of graduation, are not required to submit an application fee or transcript. However, if it has been more than one year since completion of the certificate program, a new application fee is required.

Matriculation Fee

A one-time fee of \$500 is required for doctoral students and must be paid prior to beginning coursework.

Registration Fee

A \$175 nonrefundable fee per semester is required for registration. The registration fee is not covered

by the Johns Hopkins University employee tuition remission plan.

Late Registration Fee

Students registering for the first time during a given term on or after the day of the first class meeting will be charged \$100 in addition to the registration fee of \$175.

Late Payment Fee

A late payment fee of \$100 will also be assessed if payment for tuition and fees is not received by the specified due date listed on the monthly electronic bills (see the Electronic Billing section of this catalog for details).

Returned Check Fee

A \$35 returned check fee will be assessed on all paper and electronic Automated Clearing House (ACH) check payments that are returned by the bank.

Payment Plan Termination Fee

Students who are terminated from the monthly payment plan will be charged a \$75 termination fee by Johns Hopkins University.

Laboratory Fees

Where applicable, laboratory fees are included in course tuition fees (noted in the online course schedule).

Graduation Fees

A fee of \$175 is required for all undergraduate and graduate degree/certificate candidates.

Note: See also Application for Graduation deadline information.

Delinquent Account Collections

A fee amounting to 25% of the outstanding debt will be charged for any accounts turned over to a collections agency.

Note: Transcripts and grades will not be released to students with an outstanding financial obligation to the University.

STUDENT ACCOUNTS

For general inquiries about your student account, specifically receipt of payments, refunds, online tuition payments, financial holds, 1098T, collections, company billing, etc., call 410-516-9722 or 1-800-GO-TO-JHU (1-800-468-6548), fax 410-516-9721, or email soe.studentaccounts@jhu.edu.

Payment Options

To pay for tuition and associated fees, students can use one of the following payment options:

- Pay online with an electronic check or credit card
- Pay with a check by mail
- Pay with cash, check, or credit card at one of the campus locations
- Enroll in the monthly payment plan
- Pay with an employer contract
- Take advantage of JHU's tuition remission for university employees (JHU tuition remission covers tuition costs only)
- Pay via electronic billing
- Pay via wire transfer

Students with approved financial aid should elect to be electronically billed for any charges not covered by the award. See Schedule A below for billing periods and payment due dates. A late payment fee of \$100 will be assessed if payment is not received by the specified due date. Students who choose the monthly payment plan option may use Schedule B below as a payment guide. Schedules A and B can also be found online at <http://www.students.education.jhu.edu/pay/>.

Students are responsible for their financial obligations to the School of Education, no matter what payment option is chosen. If the School of Education does not receive payment in the agreed scheduled time (see billing schedules), students will be placed on financial hold and may be removed from courses for which they are currently registered. Grades may be withheld, and students will be prevented from registering for future courses until payment is received. Payments from students seeking to register may be kept and applied against prior obligations to the university. Delinquent accounts turned over to our collection agency will be assessed an additional 25% of their outstanding debt.

Pay your Account Online

The fastest way for students to have their tuition payment credited to their JHU student account is to pay via ISIS Self Service. Payments can be made in Self Service by using a credit card (Visa, MasterCard, Discover or American Express) or an electronic check. Students must log into ISIS Self Service using their Johns Hopkins Enterprise Directory (JHED) ID and password. To make payments online or view your student account, go to <https://isis.jhu.edu/>.

Students who submit an electronic ACH check that is returned by the bank will be charged a \$35 returned check fee, placed on financial hold, and may be removed from courses for which they are currently registered.

Pay with a Check by Mail

Checks for tuition and fees should be made payable to Johns Hopkins University and include the student's

ID number. Payments can be mailed to:

*Johns Hopkins University
School of Education
Office of Student Accounts
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100*

Paying by check authorizes the School to electronically debit a student's account. Once the transaction has been completed, the actual check will be destroyed. (Checks will not be returned to students.) Students who submit a paper check that is returned by the bank will be charged a \$35 returned check fee, placed on financial hold, and may be removed from courses for which they are currently registered.

Pay in Person

Pay with cash, credit card, or check at these locations:

- Columbia Center (6740 Alexander Bell Drive, Columbia, MD, 21046) first floor information desk
- Montgomery County Campus (9601 Medical Center Drive, Rockville, MD 20850) ask at the main reception desk in the center building for directions
- Education Building (2800 North Charles Street, Baltimore, MD 21218) Room 120

Students may submit all forms of payment at any school location. The University accepts four major cards: MasterCard, Visa, Discover, and American Express. Credit card payments are not processed immediately. When students pay with a credit card, a staff member will verify that the credit card information on the payment form is complete and forward payment to the Office of Student Accounts in Columbia to be processed at a later date. Payment Authorization Forms can be found at <http://www.students.education.jhu.edu/forms/>. Students who submit a credit card that is declined will be placed on financial hold and may be removed from courses for which they are currently registered.

Monthly Payment Plan

Students have the option of deferring their tuition payments by enrolling in the monthly payment plan each semester. To enroll:

- Contact Tuition Management Systems (TMS) by phone at 1-800-722-4867 or visit the website at <https://www.afford.com/jhuseo>.
- Identify yourself as a Johns Hopkins University School of Education student when contacting TMS.

- Know your Hopkins ID before calling. This can be found on the ISIS Self Service home page.
- Know the amount of tuition and fees to be budgeted with the monthly payment plan. (*Note: January courses should be included in the fall payment plan.*)

Please be aware of the following:

- Payment plans are semester specific and cannot be used to pay past due balances from previous semesters.
- Book charges are excluded from the payment plan.
- Students in part-time programs pay a nominal enrollment fee of \$50 each semester to join the payment plan (summer, fall, and spring).
- Students in full-time programs pay a nominal enrollment fee of \$75 at the beginning of each academic year to join the annual plan.
- See Schedule B below for open enrollment and payment due dates for the current payment plan.

If payment has not been made in accordance with the payment schedule, TMS has the right to assess a \$50 late payment fee and/or terminate your agreement. In addition, if you are no longer eligible to participate in the monthly payment plan, a \$75 termination fee will be charged to your student account by the School of Education.

Employer Contract

If an employer is paying for all or part of a student's tuition, please note the following:

- Students must submit a purchase order or contract from their employer authorizing Johns Hopkins University to bill their employer directly for tuition and any associated fees.
- If the contract does not cover the entire cost of tuition and fees, the student is required to pay the remaining balance.
- Students can choose to receive an electronic bill or enroll in the monthly payment plan to cover any additional costs for tuition and associated fees.
- A faxed copy of the student's employer contract is acceptable. (Fax to 410-516-9721)
- If a student's employer pays the student directly for tuition expenses, that student is required to pay tuition and fees directly

to the School of Education and seek reimbursement from his/her employer. (Students can enroll in the monthly payment plan or choose to be electronically billed.)

Johns Hopkins Remission

Students who are Johns Hopkins employees participating in the tuition remission benefit plan, please note the following:

- Tuition remission covers tuition costs only. Fees are not covered.
- Students must submit a completed tuition remission application form for each course to the Office of Student Accounts.
- The application(s) can be faxed to 410-516-9721 or mailed to:

*Johns Hopkins University
School of Education
Office of Student Accounts
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100*

- If the remission does not cover the entire cost of tuition, the student is required to pay the remaining balance at the time of registration.
- Students can select the monthly payment plan to pay for tuition not covered by the tuition remission benefit or choose to be electronically billed.

For additional questions about tuition remission, contact the Office of Student Accounts at 410-516-9722 or email soe.studentaccounts@jhu.edu.

Schedule A: Billing Cycles- March 2015 through May 2016
JHU School of Education

The Bill Covers Charges and Payments Applied to your Student Account Between the Following Dates:	The Date when the Electronic Bill is Presented on the Web	Statement Due Date*
March 12, 2015 - April 8, 2015	April 9, 2015	April 24, 2015
April 9, 2015 - May 13, 2015	May 14, 2015	May 29, 2015
May 14, 2015 – June 10, 2015	June 11, 2015	June 26, 2015
June 11, 2015 – July 8, 2015	July 9, 2015	July 31, 2015
July 9, 2015 - August 12, 2015	August 13, 2015	August 28, 2015
August 13, 2015 - September 9, 2015	September 10, 2015	September 25, 2015
September 10, 2015 – October 14, 2015	October 15, 2015	October 30, 2015
October 15, 2015 - November 11, 2015	November 12, 2015	November 27, 2015
November 12, 2015 - December 9, 2015	December 10, 2015	December 25, 2015
December 10, 2015 - January 13, 2016	January 14, 2016	January 29, 2016
January 14, 2016 - February 10, 2016	February 11, 2016	February 26, 2016
February 11, 2016 - March 9, 2016	March 10, 2016	March 25, 2016
March 10, 2016 - April 13, 2016	April 14, 2016	April 29, 2016
April 14, 2016 - May 11, 2016	May 12, 2016	May 27, 2016

**Note: Due dates are subject to change*

Schedule B: AY 2015-2016
JHU School of Education

Semester	Payment Plan Enrollment Start Date	Payment Plan Enrollment End Date	First Payment Due	Payment Plan Options
Summer 2015	March 30, 2015	June 1, 2015	June 1, 2015	THREE installments due the 1st of each month. First payment due June 1; remaining balance due on the 1st of July and August.
Fall 2015 and Intersession 2016	July 6, 2015	Sept 1, 2015	Sept 1, 2015	FOUR installments due the 1st of each month. First payment due Sept.1; remaining balance due on the 1st of Oct, Nov, and Dec.
Spring 2016	Nov 2, 2015	Feb 1, 2016	Feb 1, 2016	FOUR installments due the 1st of each month. First payment due Feb.1; remaining balance due on the 1st of March, April, and May.
Annual Plan for Full-time Programs	March 30, 2015		June 1, 2015	TEN installments due the 1st of each month. First payment due June 1; remaining payments due on the 1st of July, Aug, Sept, Oct, Nov, Dec, Jan, Feb, and March.

Note: Contact Tuition Management Systems (TMS) at 1-888-713-7238 or <http://www.afford.com/jhusoe> for more information.

Electronic Billing

Students selecting this option are required to have a current Johns Hopkins email address and a valid Johns Hopkins Enterprise Directory (JHED) ID and password. To locate a JHED ID, read the instructions at <http://jhed.jhu.edu>.

Notification of outstanding tuition balances will be sent electronically to a student's JHU email account. Billing statements are emailed the second Wednesday of each month if activity has occurred since the last billing cycle. Students are required to make payment upon notification of this bill. Balances not paid by the due date will be assessed a \$100 late payment fee. Paper statements are no longer mailed to students. Students can update their email address by calling 1-800-GO-TO-JHU or emailing soe.registration@jhu.edu. For current billing periods and due dates, read Schedule A above.

Wire Transfer Payment Information

International students may choose to wire payment information directly to Johns Hopkins University or use our new service with Western Union. Information for both options is provided below:

International Wire Transfers - Western Union for International Payments

Johns Hopkins University has contracted with Western Union Business Solutions to assist with processing wire payments from international students. This payment option allows you to pay the university your student account balance in the currency of your choice and provides a simple and secure method for initiating payments electronically. We encourage all international students to choose this cost effective and efficient method of payment to the Johns Hopkins University.

Log on to your ISIS Self-Service account. Go to the billing tab and select the Summary or Statements option. The "Pay by International Wire Transfer" link is one of your payment options.

Direct Wire Payments to the University

If you are a student or sponsor who would like to wire tuition payments directly to the University please note the following:

US & International Students ONLY:

*Johns Hopkins University
M&T Bank
One M & T Plaza
Buffalo, NY 14203
Checking Account
Transit/ Routing /ABA #: 022000046
Account # 970370230*

*Swift Code: MANTUS33INT
CHIPS ABA #: 0555*

US Sponsor Payments ONLY:

*Johns Hopkins University
M&T Bank
One M&T Plaza
Buffalo, NY 14203
Transit/routing/ABA number: 022000046
Account number: 09000522
Duns #001910777
Cage Code: 5L406*

International Sponsor Payments ONLY:

*Johns Hopkins University
M&T Bank
One M&T Plaza
Buffalo, NY 14203
SWIFT code: MANTUS33INT
CHIPS ABA number: 0555
IBAN number: N/A
Account number: 09000522
Transit/routing/ABA number: 022000046*

Please be sure to include a student ID number or other identifying information with the wire transfer.

After the wire transfer is completed, please notify the Student Accounts Office of your payment amount and date of remittance. An email can be sent to the soe.studentaccounts@jhu.edu. If you have additional questions about wire transfers, please contact the Student Accounts Office at 410-516-9722.

Student Account and Bill Viewing Online

For students wishing to view or pay their student account online or view their monthly electronic bills online, visit <https://isis.jhu.edu/>.

FINANCIAL AID

The School of Education offers programs of financial support that include federal grants and loans and state and school-based scholarships and grants. In general, consideration for financial aid is restricted to students who have been fully and unconditionally accepted into a degree or approved certificate program, enroll half-time or more each semester, complete all courses for which aid was awarded, and maintain a 3.0 GPA (graduate students) or a 2.0 GPA (undergraduate students).

Financial aid is available only for courses that are required of the program and for which students will receive credit toward completion of their program. Courses taken merely for personal reasons or simply so a student can remain enrolled at least half time are not eligible for federal financial aid.

Audited courses do not count toward the credits required for financial aid availability. Only those certificate programs that are 15 credits or longer are eligible for financial aid.

In addition, to receive federal aid, students must be U.S. citizens or eligible non-citizens; have registered with the Selective Service between the ages of 18 and 26 if male; not owe refunds on federal grants or be in default on federal educational loans; never been convicted of an offense involving possession or sale of illegal drugs while receiving federal student aid; and be admitted prior to the first day of classes for the semester in which they receive aid.

Students admitted in mid-term will become eligible for aid for the next semester. Alternative private educational loans can be used by students who are enrolled less than half time and by international students. International students are encouraged to investigate the possibility of aid through their government or outside agencies before applying for these loans, which require a cosigner who is a US citizen.

The academic year consists of the summer, fall, and spring semesters. For financial aid purposes, the fall semester includes the January intersession and the spring semester includes the May session. Students must maintain satisfactory academic progress and credit compliance (half-time enrollment per semester in which aid is received) to continue to be eligible for financial aid.

No funds will be available for repeated courses. Academic progress is reviewed at the end of each semester.

Loss of aid eligibility due to noncompliance with satisfactory academic progress policy may be appealed in writing to the Financial Aid Office, including presentation of evidence substantiating the reason for failing to achieve academic progress. Federal regulations identify the special circumstances that can be taken into consideration in an appeal. The appeal statement will identify what measures the student has taken, or will take, to rectify the situation.

The appeal statement will be reviewed and faculty advisers and/or Deans may be consulted. The student will be notified of the decision in writing. All decisions are final. Full details on satisfactory academic progress requirements for financial aid recipients may be found at <http://www.students.education.jhu.edu/financial/satisfactory-academic-progress.html>.

Students must demonstrate financial need as calculated by federal methodology to be considered eligible for all need-based aid, including government subsidized direct loans. For purposes of federal loan eligibility, undergraduates must have completed at least 30 credits to qualify for a sophomore-level loan, and at least 60 credits to qualify for upper-classman loan limits.

Unsubsidized direct loans, which are not need-based, are available to students who are ineligible or only partially eligible for the subsidized version.

Note: Deferment of loan repayment is available for students enrolled at least half-time (6 credits each semester for undergraduates; 4.5 credits for graduate students—see Loan Deferment Requests under Grade Reports, Transcripts and Academic Record Requests).

Students who only need one course to graduate and will enroll less than half-time will go into their grace period as of the date they ceased attending half-time. Deferment is also available for several other reasons, such as for service as a volunteer under the Peace Corps Act or the Domestic Volunteer Service Act of 1973. For more information or to print a paper Deferment Form, visit www.myfedloan.org.

To be considered for financial aid, a student must file the Free Application for Federal Student Aid (FAFSA) using the official code of E00475 and complete the Planned Enrollment Form.

Both forms are available online at <http://www.students.education.jhu.edu/financial/apply/>. Students selected for federal verification will also have to provide signed copies of their most recent federal IRS Tax Transcript and those of parents or spouses, where applicable, including all schedules filed and W-2 forms. Students who present inconsistent or conflicting information may provide signed copies of federal tax returns as above. School-based scholarship applicants also must complete the Schoolbased Scholarship Application and write an essay. Students must be fully admitted prior to the first day of classes for the semester in which they receive aid. Gift aid (scholarships and grants) combined with employer-paid tuition support is taxable to the extent that it exceeds the federally allowable costs of tuition, fees, and required books and supplies, or is dedicated to other costs, such as living expenses. Federal grants may be taxable if, together with other gift assistance, they exceed the allowable costs. Students whose aid award exceeds the cost of tuition and fees may request book vouchers for use at the school's bookstores three weeks prior to the start of class. When aid from all sources exceeds the tuition and fees charged by the school, the student may request a refund of any credit balance remaining after aid has been disbursed by calling the Student Accounts Office in Columbia at 410-516-9722.

The School of Education reserves the right to ask for documentation necessary to determine aid eligibility. Documents submitted as part of aid applications become the property of the school and cannot be returned.

Applications for federal aid cannot be processed

if the relevant tax returns have not been filed in accordance with IRS code. Federal regulations require that the school report suspected cases of fraud or misrepresentation to the appropriate federal, state, and local authorities.

In compliance with the Higher Education Opportunity Act of 2008, students receiving Title IV aid who drop below half-time status or withdraw completely will have their aid returned to the government according to a federal formula. Aid proceeds, which have been previously refunded to the student for living expenses, may have to be repaid immediately as well. Since such changes in academic status will also affect students' future eligibility for aid, it is recommended that Title IV aid recipients who contemplate withdrawing or reducing their status below half-time first consult the financial aid office:

*Financial Aid Office
Johns Hopkins University
School of Education
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100
410-516-9808
soe.finaid@jhu.edu*

Office hours are 8:30 a.m. to 5:00 p.m., Monday through Friday

<i>Important Financial Aid Dates</i>	
<i>January 1</i>	<i>The Free Application for federal student aid (FAFSA) is available</i>
<i>February 1</i>	<i>Scholarship deadline for new students in full-time programs</i>
<i>March 1</i>	<i>Application deadline for new students in full-time programs</i>
<i>April 1</i>	<i>Financial aid priority filing deadline for the summer semester</i>
<i>June 1</i>	<i>Financial aid priority filing deadline for the fall semester</i>
<i>June 1</i>	<i>Application deadline for the School of Education scholarships for returning students</i>
<i>November 1</i>	<i>Financial Aid priority filing deadline for the spring semester</i>

SCHOLARSHIPS, GRANTS, AND AWARDS

Undergraduate students with high financial need will be considered for Federal Pell and Supplemental Opportunity Grants as a consequence of filing the institutional financial aid application and FAFSA. Graduate students enrolling in teacher preparation programs in critical shortage areas will be considered for the new Federal TEACH Grant as a result of filing the FAFSA and the School of Education's TEACH Grant Application, available on the School's Current Students website at <http://www.students.education.jhu.edu/financial/apply/>.

Residents of Maryland can be considered for assistance for the next academic year. Most programs require the submission of the FAFSA to the federal processor by March 1 of each year. Workforce Shortage Student Assistance Grants have a July deadline, but those who file a FAFSA by March 1 will receive priority based on need.

Legislative Scholarships are available to full or part-time students through their Maryland delegates and senators.

For more information regarding Maryland State aid and scholarship applications, contact the State Office of

Student Financial Assistance at 410-767-3301 or 1-800-974-0203 or visit the Maryland Higher Education Commission (MHEC) website at www.mhec.state.md.us. A limited number of school-based partial tuition scholarships are available each year. Selection is based primarily on financial need, but scholastic merit is also considered. School of Education scholarship applications are available online at <http://www.students.education.jhu.edu/financial/apply/> from January 15 through June 30.

Applications must be completed by this deadline. Since need is a factor in the selection process, applicants should file the FAFSA so that results are received prior to the July 1 deadline. As one application provides consideration for all available funds, it is not necessary for students to apply for specific scholarships. All scholarship award decisions are final, authority resting with the scholarship committee of the School of Education.

Information on the new Federal TEACH Grant, available to education students who intend to teach in a public or private elementary or secondary school that serves students from low-income families, can be found at <http://studentaid.ed.gov/PORTALSWebApp/students/english/TEACH.jsp>.

Students are encouraged to contact other scholarship sources, such as cultural groups and professional organizations.

The following websites provide additional information on financial aid sources:

- Financial Aid Information page (www.finaid.org)
- U.S. Department of Education home page (www.studentaid.ed.gov)

TAX LAW BENEFITS

There are several tax benefits that provide help for those financing the costs of higher education as listed below. Many have income level caps and there are restrictions on taking advantage of more than one deduction and/or education credit at the same time. Please consult a tax adviser for full information and/or visit the IRS website at www.irs.gov

- Employer-paid tuition assistance for undergraduate and graduate coursework is tax-free up to \$5,250.
- Interest paid on student loans is deductible up to \$2,500, regardless of the age of the loan.
- The American Opportunity Tax Credit: up to \$2,500 credit available for qualifying educational expenses paid for the first four years of post-secondary graduate education for students pursuing an undergraduate degree or

other recognized education credential.

- A Lifetime Learning Credit: up to \$2,000 credit is available for qualifying educational expenses, limited to 20 percent of tuition and required fees paid for any year of postsecondary education. This includes courses taken to acquire or improve job skills, even if the courses are not part of a degree program.
- Students not qualifying for the American Opportunity Tax Credit or Lifetime Learning Credits may be able to deduct up to \$4,000 of qualified tuition and fees paid for by the student, a spouse, or dependents, if modified adjusted gross income is not more than \$80,000 if single or \$160,000 if married filing jointly (2014 income cutoff; 2015 limits may differ).

EMPLOYMENT-BASED TUITION BENEFITS

Employment-based tuition benefit programs represent an alternate source of assistance to School of Education students. Employers and labor unions often provide educational benefits for their employees as part of a larger benefits package. The assistance may take the form of a contract between the employer and the university or a full or partial tuition reimbursement plan between the employer and the employee. Please note that students who participate in employer tuition reimbursement programs should plan to pay all tuition and fees at the time of registration and follow their employer's procedures for requesting reimbursements. Students should contact their employer's human resources office to discuss the availability of tuition assistance. Information on billing or contract procedures may be obtained from the Student Accounts Office at 410-516-9722. Employees receiving tuition assistance may be responsible for taxes on the value of the tuition assistance received and should check with employers for more details.

Johns Hopkins University provides a tuition remission program for full-time employees. For information, contact JHU's Benefits Office at 410-516-2000.

OTHER STUDENT SERVICES

For the latest information on disability support, career services, student and alumni relations, and campus locations, visit <http://students.education.jhu.edu/>.

SCHOOL OF EDUCATION SCHOLARSHIPS
Aegon USA Inc. Scholarship Fund

Established in 1999 by Aegon USA Inc. to provide scholarship support to School of Education and Public Safety Leadership students who demonstrate financial need.

Marlene K. Barrell Scholarship Fund

Established in 2004 to support graduate students in the School of Education.

BGE Scholarship Fund

This fund was established in 1998 with a generous gift from the Baltimore Gas and Electric Company. Scholarships are awarded to students who demonstrate financial need.

Bloomberg Scholars Program

Established in 1995 with a gift from Michael Bloomberg, ENGR '64 and former chairman of the JHU Board of Trustees. The Bloomberg Scholars Program provides scholarship support to the School of Education. The competitive awards are made to support outstanding adult part-time students in master's programs.

Edward Franklin Buchner Fellowship in Education

Established in 1987 by the late Louisa Buchner in honor of the late Dr. Edward Franklin Buchner, professor of education and philosophy and first chairman of the university's College Courses for Teachers, created in 1909. The fellowship is for doctoral candidates in education at the School of Education.

Dorothy Davis Scholarship for Gifted Education

Established in 1987, this scholarship is for graduate students in gifted and learning disabled education and provides half-tuition scholarships.

Decker-Gabor Scholarship

This scholarship provides tuition assistance for undergraduate and graduate students. Established in 1999 by the late Al Decker, former trustee emeritus, and his wife, Virginia Decker, the scholarship honors Stanley C. Gabor, dean of the school from 1982 until his retirement in 1999.

Linda A. Fedor Memorial Scholarship

Established in 2004 by the Fedor family in memory of their daughter and sister, this scholarship supports an internship in the master's degree in special education program at the School of Education.

Dean Ralph Fessler 100th Anniversary Scholarship Fund

This fund was established in 2011 to provide financial assistance for students in the School of Education.

Isaac and Fannie Fox Scholarship Fund

Established in 1997 by Lillian Bernice Fox, '61, the scholarship supports undergraduate students in memory of her parents.

Lillian Bernice Fox Scholarship Fund

Established in 1997 by Lillian Bernice Fox, '61, for undergraduate students.

The Stanley C. Gabor Scholarship Fund

Established in 1999 in honor of Dean Emeritus Gabor at the time of his retirement to provide support to Carey Business School and School of Education students who demonstrate financial need.

The Sheldon D. and Saralynn B. Glass Endowed Counseling Scholarship Fund

Established in 2011 with a generous gift from Dr. Sheldon D. Glass and Mrs. Saralynn B. Glass to provide scholarship funds for full-time students enrolled in the Counseling Fellows program who demonstrate financial need.

Nancy Grasmick Fellowship Fund

Established in 1998 to provide financial assistance to doctoral students in the School of Education.

David and Bessie Greenberg Scholarship Fund

Established in 2010 by Sheldon and Robin Greenberg to provide financial assistance for practitioners in the fields of law enforcement, fire/EMS, emergency management, public health, the military, security, and related public safety endeavors who pursue their degree(s) through the Division of Public Safety Leadership.

Alma D. Hunt/VCM Grant for Special Education

Established in 1999 by an anonymous donor in honor of the donor's grandmother (1891–1987), a lady whose humble life and generous spirit were underscored by her compassionate concern to put others first, the grant provides tuition assistance to urban students with demonstrated financial need who are in the internship stage of their special education program in the School of Education.

Jumble-Inn Scholarship

The Jumble-Inn Scholarship was established in 1920 by a gift from the Jumble-Inn Committee to benefit women who teach in Baltimore elementary schools,

who are residents of the city, and who are candidates for degrees in education. Preference is given to those in need of financial assistance.

Mary Levin Scholarship Fund

Established in 1978 for post-master's degree students by the late Cecelia L. Bass, '41, and Leon P. Bass in honor of her sister, the late Mary Levin, former executive secretary to the deans of McCoy College and the Evening College, now separately known as the Carey Business School and the School of Education.

Helen Hassie Lichtenstein Scholarship

Established in 1986 by the late Dr. Arthur Lichtenstein, '30, '34, in memory of his wife Helen Hassie Lichtenstein, '39, this scholarship is awarded annually to a doctoral student at the School of Education who exemplifies a commitment to the field of special education and may need institutional support to further his or her studies. Dr. and Mrs. Lichtenstein, both alumni of the School of Education, were special education professionals in Baltimore public schools for many years.

Kelvin D. Machemer Scholarship

Established in 2004 by Kelvin D. Machemer to provide scholarship support for part-time students in the School of Education.

Michael-Weinstein Scholarship

Established in 1998 by Joel A. and Bonita M. Weinstein, '72, in memory of her mother and brother, this fund provides financial assistance to students in the School of Education.

Richard and Marie Conley Mumma Scholarship Fund

Established in 1997 by the estate of Richard and Marie Conley Mumma, this scholarship provides financial assistance to graduate students. Richard Mumma served as dean of McCoy College and the Evening College from 1951 to 1970.

Helen M. and E. Magruder Passano Jr. Scholarship

Established in 1997 by Helen M. Passano, '78, and E. Magruder Passano, '67, '69, and Waverly Inc., the fund provides need-based scholarships.

Pi Lambda Theta Scholarship

Established in 1980 by the Chi Chapter of Pi Lambda Theta, a national honor and professional association in education, to honor Drs. Florence E. Bamberger and Angela Broening. The fund provides financial assistance for graduate education students at the School of

Education. Dr. Bamberger served as director of College Courses for Teachers and the summer session during the 1930s and 1940s.

Eugene H. Ryer Scholarship Fund

Established in 1998 in memory of Eugene H. Ryer, who attended evening courses at Hopkins during the 1930s, by his wife, Catharine H. Ryer, and son, David E. Ryer, '64. The fund provides financial aid for students in the School of Education.

Aileen and Gilbert Schiffman Fellowship

Established in 1996 by a gift from The Hodson Trust in memory of Gil Schiffman, professor emeritus and former director of the Graduate Division of Education, this fellowship is awarded to School of Education doctoral students.

Sonia Beser Snyder and Naomi Beser Scholarship Fund

Established in 1997 by Sonia Beser Snyder, '44, in memory of her twin sister, Naomi Beser.

William H. Thomson Scholarship

Dorothy S. Thomson established this fund in memory of her husband to provide financial assistance to worthy students in the School of Education.

Anna McClintock Welch Matching Fund

The family and friends of Anna McClintock Welch established a fund in her honor to assist working undergraduate students who require partial financial aid for their education. The fund matches up to 50 percent of the student's earned income required to cover tuition, fees, and books. Although this is a scholarship program, the donors of the fund encourage recipients to repay the gift and thereby help students in the future.

Eva Orrick Bandell Wilson Memorial Scholarship

Established in 1967 by Eva Orrick Bandell Wilson, who attended classes in the Evening College, the fund provides aid for students with demonstrated financial need in the School of Education.

Alison P. Wolcott Memorial Scholarship

Established in 2008, for the purpose of advancing the service goals and ideals of Alison Paige Wolcott, to help cover the tuition and fees of a student enrolled in the Master of Arts in Teaching (MAT) program.

VETERANS/G.I. BILL ASSISTANCE

The Johns Hopkins University is approved by the Maryland Higher Education Commission for training veterans and the widows and children of deceased veterans under provisions of the various federal laws pertaining to veterans' educational benefits. Information about veterans' benefits is available at www.gibill.va.gov.

Information on applying for veterans' benefits and enrollment procedures may be obtained from the Department of Veterans Affairs <http://vabenefits.vba.va.gov/vonapp/>.

Students eligible for veterans' educational benefits (excluding Post 9-11, Chapter 33) register and pay their University bills in the same manner as non-veteran students. Reimbursement is made by the Department of Veteran Affairs on a monthly basis. The amount of reimbursement is determined by the student's rate of pursuit calculated by the number of courses taken during a semester.

Students eligible for Post 9-11, Chapter 33 veterans' benefits register in the same manner as non-veteran students. A partial tuition payment is made by the Department of Veterans Affairs directly to the University.

The amount of payment is governed by the student's eligibility established by the VA. The student is responsible for the remaining tuition.

In all of the above cases, veterans' educational benefit payments cover only a portion of assigned fees. Questions regarding enrollment procedures for the School of Education may be directed to the VA certifying official at 410-516-9816 or at soe.registration@jhu.edu.

To obtain veterans educational benefits, a veteran must comply with the following procedures:

Initial Enrollment

1. The veteran must first apply and be admitted to one of the schools of the University.
2. Obtain an Application for Program of Education of Training (VA Form 22-1990) from the Department of Veterans Affairs. Forms are available at http://vabenefits.vba.va.gov/vonapp/about_vonapp.asp. (Vonapp stands for Veterans On Line Application.)
3. After completing the application, send it, along with a certified copy of the DD214, to the following address:

*Veteran's Certification Officer
Office of the Registrar
School of Education
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046*

The VA will return an official "Certificate of Eligibility" to the student who must submit a copy

of the certificate to the VA certifying official (address above) or fax to 410-516-9817.

Transfers

Students who have previously used benefits and are transferring from another college or university need to obtain a Request for Change of Program or Place of Training (VA Form 22-1995) from the Department of Veterans Affairs at www.gibill.va.gov. A copy of the completed application, along with a copy of the DD-214 (not required for ACTIVE DUTY personnel), should be submitted to the Veteran's Certification Officer as noted above.

Continuing JHU Student Enrollment

Students are required to email the VA certifying official at soe.registration@jhu.edu each semester after they register if they want to use veteran benefits for tuition and fees, including the graduation fee. A student who received veteran's benefits while attending the University during the preceding semester and who re-enrolls with no change of objective needs only to advise the certifying official that re-certification under the provisions of the original VA form 22-1990 is desired. Students receiving veteran's benefits must pursue a program of courses that leads to the exact objective (normally a degree or certificate) indicated on the original VA application. Any change in program or objective requires submission of a Request for Change of Program (VA Form 22-1995).

Veterans are also required to advise the certifying official at soe.registration@jhu.edu immediately of any change in their program, status or course load that might affect the amount of their monthly payment from the VA.

Failure to do so may cause the Department of Veterans Affairs to seek restitution from the veteran of a resulting overpayment of benefits.

Students from Other Institutions

Students attending other colleges and universities who enroll at Johns Hopkins University should request that a letter be sent from their primary institution to the Department of Veteran Affairs and to the School of Education stating that the courses and credits at Johns Hopkins University are accepted toward the student's degree.

Standards of Progress

Continuation of VA payments is dependent on the student meeting the academic standards established by the university for all students. The student also must meet any standards of progress that are or may be established by VA regulations.

ACADEMIC POLICIES

GRADING SYSTEM AND ACADEMIC RECORDS

GENERAL GRADING POLICY

The grading scale used for official grades for all School of Education students—graduate, undergraduate, and nondegree—is listed in the table below. Please note that the grades of D+, D, and D- pertain only to undergraduate coursework offered in the Division of Public Safety Leadership. The grade of A+ is not assigned at any level.

Each instructor assigns grades according to his/her own system, which should be explained in the course syllabus.

All students must possess acceptable written command of the English language; instructors will consider writing quality when assigning grades, and make referrals for those needing improvement in writing skills.

Grading Scale

A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
*D+	1.3
*D	1.0
*D-	0.7
F	0.0

I Incomplete

MR No grade reported as yet by the instructor, not a failing grade

WD Official withdrawal (not assigned by instructor)

X Grade not yet submitted by instructor

No notation on an official report may be changed except to correct an error or to replace an "I" (incomplete) grade.

* The grades of D+, D, and D- are awarded at the undergraduate level only.

Note: Some programs may have additional grading requirements. For further details, please refer to the individual program descriptions in this catalog.

Alternative Grading Scale

Some courses may choose to employ a Pass (P)/Fail (F) grading system rather than a letter-based grading

scale (as outlined in the above table). In such cases, the award of a Pass (P) grade is equivalent to the award of a "B" grade or above, while the award of a Fail (F), and the consequences thereof, equate to the award of an "F" grade in the letter based grading scale. The use of the Pass (P)/Fail (F) grading system for courses should be clearly stated in the course syllabus.

Note: Pass (P) grades are not considered in the determination of a student's Grade Point Average (GPA). However, Fail (F) grades awarded on the basis of Pass (P)/Fail (F) grading system will count toward a student's GPA.

GRADE POINT AVERAGE

To calculate grade point average (GPA):

1. multiply the number of credits for each course by the quality points (noted on Grading Scale) associated with the grades received in each course
2. add quality points
3. add credits
4. divide quality points by the number of credits

FAILURE (F) GRADE

An "F" (failure) grade indicates the student's failure to complete satisfactorily the work of the course. No grade of "F" may be counted toward a graduate degree or certificate. If the course in which the "F" is received is not required for graduation, it need not be repeated. However, if the course is required, it must be repeated. If the required course involves laboratory work, both the lecture and laboratory work must be repeated, unless the instructor grants permission for a student to retake only one of these course components when repeating the required course. In all cases in which an "F" grade was received, the failing grade will remain on the transcript and will be calculated into the grade point average, unless the course is repeated. (Per the School of Education's Repeated Courses policy (see below), when a course is repeated, both the original F and repeated course grades appear on the academic record; however, only the repeated course grade is used in calculating the grade point average.)

WITHDRAWAL (WD) GRADE

The WD (withdrawal) grade signifies an official withdrawal from a course approved by the Office of the Registrar. It is not assigned by the instructor. Students who wish to withdraw from a course must submit the facsimile Add/Drop Form (downloadable from the School of Education's Current Students website at <http://www.students.education.jhu.edu/forms/>) in person, by fax at 410-516-9817, or by mail to the Office of the Registrar, Johns Hopkins University, School of Education, 6740 Alexander Bell Drive, Suite 110,

Columbia, MD 21046-2100.

INCOMPLETE (I) GRADE

An “I” (incomplete) grade is used when the instructor is not prepared to give a final grade for the course because of some justifiable delay in the student’s completion of specific coursework. A final grade is submitted to the Office of the Registrar by the instructor (using the Grade Change Form) after the student’s completed work has been graded, provided the work was done within the agreed timeframe, as set by the instructor. In the event that the work is not completed within the agreed timeframe, and no grade is reported within four weeks after the start of the following semester, a grade of “F” replaces the “I” on the student’s academic transcript. The Academic Year Calendar details the last date that students may submit incomplete work for each semester.

REPEATED COURSES

Graduate Students

A graduate student may voluntarily repeat one course while enrolled in a program; and it can only be a course in which a grade of B- or below was received. The course may be repeated only once. (*Note: Students who are placed on academic probation may be required to repeat one or more courses as part of their plan for reinstatement to good academic standing—see policy on Unsatisfactory Academic Standing below. Courses that students are required to repeat as part of their academic probation do not count as “voluntarily” repeated courses.*)

When a course is repeated, both the original and repeated course grades appear on the academic record; however, only the repeated course grade is used in calculating the grade point average. Course credit may be applied toward degree requirements only once, even if a course is repeated. The repeated course is indicated with an “R” on the academic record. Graduate students should be aware of the following when repeating courses:

- Only one course with a grade of C+, C, or C- will count toward a graduate degree program. Graduate students do not receive credit toward their degree or certificate for courses in which second or third grades of C+, C, or C- are earned.
- If a student successfully repeats a course in which s/he originally earned a C or F grade, the original grade will not subsequently be counted when determining if a student qualifies for automatic academic dismissal based on the number of C or F grades s/he has earned over the entire course of his/her program of study. (See policy on Unsatisfactory Academic

Standing below.)

- Graduate students must achieve a minimum cumulative grade point average of 3.0 (on a 4.0 scale) to maintain eligibility for financial aid and to receive approval for graduation.
- Some programs, particularly at the master’s level, may have additional grade requirements for repeated courses, for example, stricter requirements for internship courses. Students should refer to the program page in the Academic Catalog or the program handbook (where applicable) for more information on program-specific course or grading policies.

Please note that a student who repeats a course, irrespective of whether it is taken voluntarily or mandated as part of the requirements for academic probation, may only receive financial aid assistance toward the cost of the repeated course if the student did not previously receive financial aid assistance to pay for the original course.

GRADE APPEALS

Grades are awarded for an individual student’s academic work during each semester and then recorded in ISIS (the university’s student record system) as the final ranking of an individual student’s mastery of the course content. Grades are determined by faculty through the exercise of their considered academic judgment, and the School of Education’s administration will not override an instructor’s considered academic judgment when it comes to grade award decisions. Mere disagreement or dissatisfaction with an instructor’s evaluation of a student’s academic work is not sufficient basis for a grade appeal. Nor may a student appeal a course instructor’s decision not to grade an assignment that was submitted past the specified submission deadline or if the work was submitted after the course instructor has inputted the final course grade in ISIS.

At each review level, consideration of a grade appeal is limited to an evaluation of whether or not the grade awarded was determined in accordance with the policies/standards outlined in the course syllabus. A course instructor’s failure to follow the policies/standards outlined in the course syllabus—for example, a grade calculation error—may be considered evidence that the final course grade was not so determined.

A student who disagrees with the award of a grade on a particular assignment or with the final course grade must discuss the matter with the course instructor as the first step of the appeals process. If the matter remains unresolved following this initial discussion with the course instructor, the student is encouraged to ask his/her faculty adviser (or division director in the case of

PSL students) to assist as a mediator to resolve the dispute. [Note: In the event that the course instructor is also the student's faculty adviser, an alternative mediator, such as the program lead, should be identified.]

Where final course grades are concerned, if the matter still cannot be resolved, the student may appeal the course instructor's decision to the Vice Dean for Academic Affairs (or designee). Only final course grades may be appealed to the Vice Dean's level—students may not appeal grades for individual assignments to the Vice Dean's level.

Any appeal to the Vice Dean must be submitted in writing using SOE's Course Grade Appeal Form (downloadable from the School of Education's Current Students website at <http://www.students.education.jhu.edu/forms/>). In submitting an appeal, the student must provide a thorough rationale for the basis of the appeal, detail the steps that have been taken thus far to resolve the issue, and include supporting materials as evidence. Such materials would typically consist of the course syllabus, the disputed assignment(s) in question (if applicable), and any correspondence (such as email) between the student and the instructor and/or adviser, etc.

The grade appeal form and supporting materials must be received by SOE's Office of Student Affairs within 30 calendar days of the final course grade being posted in ISIS. The grade appeal form and supporting materials should be mailed to the following address-- Johns Hopkins University School of Education, Office of Student Affairs, 6740 Alexander Bell Drive, Columbia, MD 21046—or emailed to soe.students@jhu.edu. (The term "grade appeal" should be referenced in the email subject link.) Acting as the designee of the Vice Dean, the Office of Student Affairs will review and determine that the appeal was initiated within the 30-day appeal window and that appropriate supporting materials have been submitted. In certain circumstances, the Office of Student Affairs may contact the student asking for further information—for example, requesting additional supporting materials or clarification regarding the appeal.

Following the initial review by the Office of Student Affairs, and provided the appeal was initiated within the required 30-day timeframe and includes all supporting materials, the Office of Student Affairs shall forward the grade appeal form and supporting materials to the Vice Dean to decide the case.

After the Vice Dean (or designee) has delivered his/her judgment, a student may, as a final action, appeal the decision in writing to the Dean of the School of Education. In such cases, the Dean (or his/her designee) will determine if the case warrants further consideration.

Review of grade appeals at the Dean's level

will focus on procedural considerations, assuring that internal appeal processes have been followed in accordance with stated policies. At the discretion of the Dean, a hearing committee may be appointed to review the case and make a recommendation. Any decision rendered by the Dean (or designee) is final and cannot be appealed further.

All final course grade appeals must be initiated within 30 calendar days after the final course grade has been posted in ISIS and all appeal cases must be resolved within 90 calendar days from the date the student submits the Course Grade Appeal Form and all required supporting materials to SOE's Office of Student Affairs. For appeals that reach the Vice Dean and Dean's level review stage, the School of Education shall notify the student in writing that the student's grade appeal has been received. Notification of the final decision concerning a final course grade appeal will be communicated to the student's faculty adviser and placed in the student's record.

GRADE REPORTS, TRANSCRIPTS, AND ACADEMIC

RECORD REQUESTS

Grade Reports

Students can request via email at soe.registration@jhu.edu to receive grade reports once the instructor has submitted the course grade to the Office of the Registrar following the end of the course. The grade report will be mailed to the student's home address; it is not available by telephone or personal inquiry. Currently enrolled students can also access their semester grades and review and update their address information via the ISIS Self-Service website at <https://isis.jhu.edu/>. Students who have questions about this service should contact the Office of the Registrar at 410-516-9816.

Note: Grade reports are not issued for a student with an outstanding financial obligation to the University.

Transcripts

Students who wish to obtain transcripts of their School of Education academic records should access the School of Education's website <http://www.students.education.jhu.edu/register/grades.html> for information on how to order transcripts online, by mail, or in person. Students who wish to obtain transcripts from previously attended colleges and universities should contact those institutions directly.

Photocopies of transcripts received by the School of Education from other domestic educational institutions will not be made available to a student. These documents are submitted specifically for consideration

of admission and cannot be made available for any other use. Requests for photocopies of transcripts from international educational institutions, however, will be considered due to the difficulty of obtaining those documents directly.

Note: Transcripts are not issued for a student with an outstanding financial obligation to the University, nor will they be released without a student's signed authorization.

Academic Records Requests

Requests to inspect and/or receive copies of documents (other than transcripts from previous institutions and confidential letters of recommendation) maintained in the academic record of a student must be submitted in writing with an original signature to the Office of the Registrar, Johns Hopkins University, School of Education, 6740 Alexander Bell Drive, Suite 110, Columbia, MD 21046- 2100. Faxed requests will not be honored. For further information or questions, students should contact the Office of the Registrar at 410-516-9816.

Verification Requests

Requests for verification of enrollment or degrees earned can be submitted to the Office of the Registrar via telephone or email. The student's name, Social Security Number, and the name(s) and address(es) of the recipient(s) are required to process the request. For more information or assistance, contact the School's Transcript/ Records Coordinator at 410-516-9816.

Loan Deferment Requests

Loan deferment is certification of enrollment and is processed by the Office of the Registrar. The School of Education participates in the National Student Clearinghouse, which is an industry-sponsored consortium that was created to simplify the enrollment verification and deferment processes for schools. The Clearinghouse is responsible for providing status and deferment information, on behalf of the school, to guaranty agencies, lenders, servicers, and the Department of Education's National Student Loan Data System (NSLDS).

During the second week of each month, the School electronically transmits a report of students' enrollment status to the Clearinghouse, which, in turn, will supply verification of enrollment to lending agencies. Deferment forms submitted to the Office of the Registrar will be forwarded to the Clearinghouse for processing weekly.

Students may call the Clearinghouse at 703-742-7791 and speak to a Student Service Representative if it appears a lender has not accessed the correct

information.

Note: Half-time status for graduate students equates to a minimum of 4.5 credits per semester. For undergraduate students it is 6 credits per semester.

Family Educational Rights and Privacy Act

The University maintains its academic records in accordance with the provisions of the Family Educational Rights and Privacy Act of 1974 (commonly known as FERPA), as amended. Each October, the University publishes its policy on family educational rights and privacy in the Johns Hopkins Gazette. Copies of this policy can be obtained from the Office of Registrar or online at www.jhu.edu/news_info/policy/ferpa.html.

Retention of Records

The academic record includes all documents related to an individual student such as application for admission, letters of recommendation, etc., as well as the record of academic performance commonly referred to as the transcript.

- Retention of student records is dependent on an individual's student status within the School of Education.
- Records for individuals who are denied admission are retained for a period of one year.
- Records for students who are admitted to a program but do not register for courses are retained for a period of one year.
- Records for students who are admitted to a program, enroll, but do not complete the program and do not graduate are retained for six years after the last term of enrollment.
- Records for students who are admitted to a program and graduate from that program are retained permanently.

Transcript records are archived permanently in the Office of the Registrar. Documentation pertaining to registration is held only for a period of five years. If any questions should arise regarding documentation of enrollment in a course beyond that five-year period, it will be the student's responsibility to produce proper documentation to support any claim for a change to their record.

ACADEMIC STANDARDS

The requirements for the degrees and certificates offered through the School of Education are subject to change. The School does not guarantee continuation of any particular curriculum or program of study. The University does not guarantee the award of a degree

or certificate to students enrolled in any academic program. The award of degrees and certificates is conditional based on satisfaction of all current degree/certificate and instructional requirements at the time of such award, compliance with the University and School regulations, as well as performance meeting the expectations of faculty. Any breach of academic standards may result in disciplinary actions against the student(s) involved; please see the Academic and Student Conduct Policies section for an overview of grievance and due process procedures.

GOOD ACADEMIC STANDING

Undergraduate Students

To remain in good academic standing, undergraduate students in Public Safety Leadership programs in the School of Education must maintain at least a C average (2.0 on a 4.0 scale) throughout their enrollment.

Undergraduates may not count any D+, D, or D- grades earned in a course. In addition, undergraduate students must achieve a minimum cumulative grade point average of 2.0 (on a 4.0 scale) to receive approval for graduation.

Graduate Students

To remain in good academic standing, School of Education graduate students (degree, certificate, and nondegree) must maintain at least a B average (3.0 on a 4.0 scale) throughout their enrollment. In addition, graduate students must achieve a minimum cumulative grade point average of 3.0 (on a 4.0 scale) to receive approval for graduation.

UNSATISFACTORY ACADEMIC STANDING

The School of Education reserves the right to dismiss at any time a student whose academic standing or general conduct is considered unsatisfactory.

Undergraduate Students

An undergraduate student's academic standing is considered unsatisfactory if his/her cumulative grade point average falls below 2.0. In such an event, the student will be placed on academic probation. To be removed from academic probation, the student must raise his/her cumulative grade point average above 2.0 within 24 credits of being placed on academic probation.

If a student on academic probation fails to raise his/her cumulative grade point average above 2.0 by the semester in which he/she completes the additional 24 credits, the student will be academically suspended. A student will also be academically suspended if he/she achieves a grade point average below 2.0 during a

semester(s) while on academic probation.

After a period of not less than one year, an academically suspended student may submit a written petition to the Director of the Division of Public Safety Leadership (PSL) for consideration of reinstatement on a probationary basis. Suspended students must meet with a faculty adviser prior to reinstatement. If a student is reinstated, any additional grade below C will result in academic dismissal, which is final. Students who have been academically dismissed are permanently barred from registering for any credit-bearing courses or matriculating in a degree/certificate program in the School of Education.

Graduate Students

A graduate student's academic standing is considered unsatisfactory if any of the following outcomes occur:

- The student earns a grade of F for a course. No grade of F may be counted toward a degree or certificate program.
- The student earns a second grade of C+, C, or C- for a course. (D grades are not given to graduate students.) No more than one course in which the grade of C+, C, or C- is earned may be counted toward the degree or certificate. Graduate students receive no credits for courses in which a second or third grade of C+, C, or C- is earned.
- The student's cumulative grade point average falls below 3.0 (on a 4.0 point scale).
- The student fails to meet other academic and/or professional expectations as defined by individual programs, for example, failing to display appropriate professional dispositions in a course/program or performing unsatisfactorily during an internship placement.

ACADEMIC PROBATION

In the event that any of the above outcomes occur, the following actions are taken:

- The student is placed on academic probation for a period of not less than one semester. While a student can appeal the award of a grade (see Grade Appeals policy), a student cannot appeal the decision to place him/her on academic probation.
- The student should contact his/her faculty adviser (or the division director for PSL students) to develop a plan for reinstatement to good academic standing. Any courses taken during the probationary period must be approved by the student's faculty adviser (or the division director for PSL students). If the student received an unsatisfactory grade in a

required course, the student must repeat the course in which the unsatisfactory grade was earned. (See policies on Failure (F Grades) and Repeated Courses.) If the unsatisfactory grade was earned in a course that is not required, the student may take another course that meets with faculty adviser approval.

- The student will be released from probation once s/he has met the following conditions (where applicable): the student has 1) completed any required repeated course(s) with a satisfactory grade, 2) regained a cumulative grade point average of 3.0, as required for good academic standing, and 3) met all other conditions of probation set by his/her faculty adviser (or the division director for PSL students).

ACADEMIC DISMISSAL

Students will be automatically dismissed from their academic program, irrespective of his/her cumulative grade point average at the time, in the event that any of the following occur:

- Fails to meet the conditions for reinstatement to good academic standing while on academic probation. (*Note: EdD students must regain a cumulative GPA of 3.0 necessary for good academic standing within one semester of being placed on academic probation, otherwise they will be automatically dismissed from the program.*)
- Earns an additional grade of C+ or below while on academic probation or having subsequently been reinstated to good standing following academic probation.
- Earns two or more F grades in a single semester or over the course of his/her entire program of study.*
- Earns three C grades (C+, C, or C-) in a single semester or over the course of his/her entire program of study.*
- Earns an F grade and two C grades (C+, C, or C-) in a single semester or over the course of his/her entire program of study.*

**Note: If a student successfully repeats a course in which s/he originally earned a C or F grade, the original grade will not subsequently be counted when determining if a student qualifies for automatic academic dismissal based on the total number of C or F grades s/he has earned over the entire course of his/her program of study.*

Dismissal decisions are final and cannot be appealed. While a student cannot appeal the School's decision to dismiss them, a student may appeal the

award of the original grade(s) (see Grade Appeals policy). Students who have been academically dismissed are permanently barred from registering for any credit-bearing courses or matriculating in a degree/certificate program in the School of Education.

GRADUATION

A student who expects to receive a degree or certificate must submit an Application for Graduation Form and graduation fee of \$175. If earning both a certificate and a degree in the same academic year, only one graduation fee of \$175 needs to be paid. Students who are planning to graduate by May 2016 must apply for graduation using the online graduation application form, which is available through ISIS Self-Service at <https://isis.jhu.edu/>. Students should use their JHED ID username and password to access the online graduation application form. The link to the application is in the Registration menu under the Program of Study Information. All students, regardless of whether or not they plan to attend the ceremonies, need to complete this application for graduation approval. The graduation form is also available online at <http://www.students.education.jhu.edu/forms/> and at all campus locations.

The application must be submitted no later than the start of the student's final semester of coursework. (See the application deadlines at the end of this section.) Students must complete separate applications for each degree and/ or certificate they expect to receive. Applications should be mailed or faxed to 410-516-9817 with the appropriate graduation fee to:

*Office of the Registrar
Johns Hopkins University
School of Education
ATTN: Graduation
6740 Alexander Bell Drive, Suite 110
Columbia, MD 21046-2100*

Students who are planning to graduate should complete all coursework on time and should not request or receive the grade of "I" (incomplete) during their final semester. Approximately one month after the semester begins, students who have submitted the Application for Graduation Form receive confirming letters from the graduation coordinator. Their names are placed on the tentative graduation list for the semester in which they anticipate completing their degree/ certificate requirements.

The School of Education Academic Council meets three times each year to review candidates for conferral and to make recommendations to the University President for commencement. Students completing all requirements at the end of the May session and summer sessions are reviewed by the Academic Council in

October; those finishing at the end of the fall semester are reviewed in February; and those finishing at the end of the January intersession and spring semester are reviewed in May.

After the Academic Council meets in October and February, students on the graduation list receive letters confirming the Council's action.

The Johns Hopkins University confers degrees at the end of the summer, fall, and spring semesters. The commencement ceremonies are held in May. The May commencement brochure will include the names of those students who applied to graduate by the designated deadlines for the 2015-16 academic year. (See the application deadlines at the end of this section.) Students who submit graduation applications after the spring semester deadline may need to wait until the end of the following semester to have their degree conferred. Students will have the choice of having their diplomas mailed to them approximately two weeks after the May commencement ceremonies, or they can attend the commencement ceremonies and pick up their diplomas at the conclusion of the ceremony. (*Note: students in certificate programs will receive their diplomas via mail.*)

Ceremony information is sent to those on the tentative graduation list at the beginning of March. To receive their diplomas, students must pay all student accounts in full and resolve all outstanding charges of misconduct and violations of academic integrity. The deadlines (which are also listed in the Academic Year Calendar) for submitting the graduation application form and fees are as follows:

Semester Deadline

Summer May 30
(conferral date August 21, 2015)

Fall August 22
(conferral date Dec. 30, 2015)

Spring January 4
(conferral date May 18, 2016)

Note: Johns Hopkins diplomas indicate the degree qualification and major without identifying the student's concentration.

ACADEMIC AND STUDENT CONDUCT POLICIES

STATEMENT OF PRINCIPLES

The purpose of the School of Education's Academic and Student Conduct Policies is to promote and protect the rights, welfare, intellectual integrity, safety, property, and health of all members of the academic community,

as well as to promote the orderly operation of the School and to safeguard its property and facilities.

These policies are intended to enhance free exchange of ideas in an academic setting and are to be construed with that interest in mind. They are based on the principle that each student assumes individual responsibility to abide by them. They pertain to any person who is currently enrolled in a School of Education course or program, or who has completed degree or certificate requirements and is awaiting graduation. These policies apply to misconduct committed on University premises or during School of Education related or sponsored activities off School premises.

These policies are intended to resolve student related matters in as informal an administrative setting as possible. The School of Education reserves the right to institute disciplinary action whether or not the offense results or may result in action by a civil or criminal court. The School of Education also reserves the right to dismiss at any time a student whose academic standing or general conduct is considered unsatisfactory.

These policies, where appropriate, make reference to other University policies and procedures. Further, the School of Education considered other JHU divisional student conduct policies in developing these policies, and in some cases statements herein are based on or reiterate statements contained in other JHU divisional policies.

All records of academic and student conduct cases, and all supporting documentation, shall be maintained in accordance with University policy and state and federal laws concerning maintenance and disclosure of student records.

POLICIES GOVERNING ACADEMIC CONDUCT

School of Education students assume an obligation to conduct themselves in a manner appropriate to the Johns Hopkins University's mission as an institution of higher education and with accepted standards of ethical and professional conduct. Students must demonstrate personal integrity and honesty at all times in completing classroom assignments and examinations, in carrying out their fieldwork or other applied learning activities, and in their interactions with others. Students are obligated to refrain from acts they know or, under the circumstances, have reason to know will impair their integrity or the integrity of the University.

The School of Education defines academic misconduct as any intentional or unintentional act that provides an un-fair or improper advantage beyond a student's own work, intellect, or effort, including but not limited to cheating, fabrication, plagiarism, unapproved multiple submissions, or helping others

engage in misconduct. This includes the misuse of electronic media, text, print, images, speeches and ideas. Any act that violates the spirit of authorship or gives undue advantage is a violation. Students are responsible for understanding what constitutes academic misconduct.

Other violations of academic integrity and ethical conduct include, but are not limited to, knowingly furnishing false or incomplete information to any agent of the University for inclusion in academic records, violation of the rights of human and animal subjects in research, and falsification, forgery, alteration, destruction, or misuse of the University seal and official documents. (For violations related to non-academic conduct matters, see Policies Governing Student Conduct below.)

(1) Procedures Governing Student-Initiated Complaints

Students who wish to initiate a complaint regarding the academic conduct of another student should consult with the instructor of the course in question or with their faculty adviser. (Students who wish to initiate a complaint related to non-academic student conduct should contact the Student Affairs office. See Procedures Governing Student Conduct Complaints below.)

(2) Procedures Governing Faculty-Initiated Complaints

To assure that charges of student academic misconduct (including, but not limited to, cheating and plagiarism and other violations as outlined above in the Policies Governing Academic Conduct) are decided in a fair and impartial manner, the procedures listed below are to be followed:

- The instructor shall discuss the charge with the student, providing both parties an opportunity to resolve matter directly.
- In the event the matter cannot be resolved directly between the instructor and the student, the instructor shall notify the Vice Dean for Academic Affairs (or designee), who shall provide the student with written notice of the charge.
- Evidence supporting the charge shall be made available to the student by the instructor.
- If the student admits the infraction and a penalty is agreed upon, a written report containing a brief description of the infraction and the penalty agreed to, signed by all parties involved in the case, shall be placed in the student's record. The decision in the signed written report outlining the infraction and penalty is final.
- If no agreement is reached as provided for

above, the Vice Dean for Academic Affairs (or designee) shall notify the Dean of the School of Education. In such cases, the Dean (or designee) will appoint a hearing committee to consider the matter. The committee shall comprise at least three members and include a faculty member drawn from the division offering the course in which the alleged infraction took place, a senior administrator (equivalent to an Assistant or Associate Dean level appointment), and a representative from the Student Affairs office. Following a presentation of the evidence in support of the charge and the evidence the student offers in response, the committee will render a decision within seven working days and determine the appropriate course of action. A written report prepared by the committee containing a brief description of the infraction and the penalty imposed shall be placed in the student's record.

- Following notification of the hearing committee's decision, the student may submit a written appeal within seven working days to the Dean of the School of Education. An appeal to the Dean must be based on procedural error that had a significant, substantive effect on the outcome of the proceedings, or on newly discovered evidence that was not available at the time of the initial hearing. When the request is based on new evidence, the case may be referred back to the hearing committee for further consideration. After final review of all documentation and the final recommendation of the hearing committee, the Dean (or designee) shall make the final decision in the matter.

POLICIES GOVERNING STUDENT CONDUCT

In addition to maintaining good academic standing and integrity, students are expected to refrain from conduct that injures persons or property; impedes in any way the orderly operations of the School; prevents the work of its faculty, staff, or students; or disrupts the intellectual exchange in the classroom. The School expects students to be law-abiding citizens, to respect the rights of others, and to refrain from behavior which tends to impair the School's purpose or its reputation in the community. Students who have committed acts that are a danger to their own personal safety or that harm or have the potential of harming others, or who destroy, impair, or wrongfully appropriate property, will be disciplined and may forfeit their right to be members of the University community.

(1) Regulations Governing Student Conduct

The School of Education prohibits the following types of conduct. Students and student organizations that engage in such conduct will be subject to the disciplinary proceedings and sanctions and penalties outlined below. Specifically, students and student organizations are expected to refrain from:

- Acts which disrupt or interfere with the orderly operation of teaching, administration, research, and other academic activities.
- Intentionally or recklessly interfering with normal School or University activities or emergency services.
- Behavior that causes, or can reasonably be expected to cause, physical harm to a person.
- Abusive language and/or physical, verbal, or written threats against; intimidation of; or persistent, unwanted contact with any member of or visitor to the University community.
- Conduct that violates the University’s Sexual Misconduct Policy (available at <http://sexualassault.jhu.edu/policies-laws/>), including, but not limited to conduct that constitutes sexual harassment, abuse, assault, or rape of another person.
- Conduct that violates constitutes discriminatory harassment of another person in violation of the University’s Anti-Harassment Policy (available at http://web.jhu.edu/administration/jhuoie/equity_compliance/antiharassment_policy.html). (Students are also expected to abide by all Maryland state laws relating to the abuse of minors and, where applicable, the regulations of school district systems with whom the School of Education partners pertaining to teacher-student relations.)
- Refusing to comply with the directions of School or University officials, faculty, administrators, or staff acting in performance of their duties.
- Refusing to appear or giving false statements when asked to present evidence or respond to an investigation involving student conduct.
- Theft, vandalism, or deliberate misuse of School or University property, or the property of others, or knowingly possessing stolen property.
- Falsifying, forging, altering, destroying or otherwise misusing official School or University documents or seals.
- The unauthorized use, possession, or storage of any chemicals, weapons, or explosives, including fireworks, on School or University property.

- The unauthorized distribution, possession, or use of any controlled substance (including, but not limited to, illegal drugs) on School or University property.
- The possession or consumption of alcohol by individuals under the legal drinking age in Maryland (21 years of age), or the provision of alcohol to minors on School or University property. (Students are also expected to abide by the University’s policies regarding the use and abuse of alcohol.)
- The unauthorized or improper use of School or University property, facilities (leased or owned), equipment, keys, identification cards, documents, records, or resources. (This includes any misuse of electronic resources and equipment defined in the University’s Use of IT Resources Policy.)
- Failure to observe policies regulating the use of School or University buildings, property, or other resources.
- Violations of criminal law that occur on School premises or in connection with School functions, that affect members of the School or University community, or that impair the School’s or University’s reputation.
- Violations of any other University-wide policies or campus regulations governing student conduct, including orders issued pursuant to a declared state of emergency.

Other behavior may be equally inconsistent with the standard of conduct expected of a student in the School of Education and the School’s commitment to providing an environment conducive to learning and research. To remain in good standing, students are also expected to abide by the academic regulations outlined above in the Policies Governing Academic Conduct.

(2) Complaints of Discrimination, Harassment (including Sexual Harassment, Sexual Assault and Sexual Violence, collectively, “Sexual Misconduct”), Dating Violence and Domestic Violence (“Relationship Violence”), and Stalking

The University prohibits discrimination and harassment on the basis of race, creed, national origin, ethnicity, color, age, sex (including sexual misconduct), sexual orientation, gender, gender identity or expression, religion, disability, veteran status, marital status, pregnancy, and/or genetic information. Conduct that violates the University’s Anti-Harassment Policy or Sexual Misconduct Policy (both available at http://web.jhu.edu/administration/jhuoie/equity_compliance/harassment_discrimination.html) is misconduct within

this policy and will be investigated by the University's Office of Institutional Equity (OIE). Complaints of discrimination, harassment, sexual misconduct, relationship violence and stalking can be brought to the attention of the University's OIE Title IX (contact information below), School of Education Office of Student Affairs (contact information below), or other responsible employees. Complaints of sexual harassment, sexual assault, relationship violence, and stalking (collectively, "sexual misconduct") will be investigated and resolved in accordance with the University's Sexual Misconduct Policy and Procedures (available at <http://sexualassault.jhu.edu/policies-laws/>). Complaints involving non-sexual discrimination and harassment will be investigated and resolved in accordance with the University's Procedures on Discrimination, Harassment, Sexual Misconduct, Relationship Violence and Stalking (available at http://web.jhu.edu/administration/jhuoie/equity_compliance/equity_compliance_docs/JHU%20Discrimination%20Procedures_August%202015%20Revised.pdf).

[Note: Effective August 19, 2015, these procedures no longer apply to cases of sexual misconduct, only to cases involving non-sexual discrimination and harassment.]

Once a complaint is brought to the attention of the Title IX Coordinator, OIE will conduct the investigation. The School of Education's Office of Student Affairs will assist the investigation as directed by OIE.

Allison J. Boyle
Assistant Vice Provost, Title IX Coordinator
Office of Institutional Equity
Wyman Park Building, Suite 515
3400 N. Charles Street
Baltimore, MD 21218
Telephone: 410-516-8075
Email: aboyle7@jhu.edu
TTY: 711, MD Relay
Fax: 410-516-5300
Office of Institutional Equity—Anonymous
Sexual Harassment Hotline
Telephone: 410-516-4001
Toll Free: 1-800-516-4001

Information on filing a complaint with OIE can be found on the JHU Sexual Assault Response and Prevention website: <http://sexualassault.jhu.edu/index.html>.

Jennifer Eddinger
Office of Student Affairs
Johns Hopkins University School of Education

6740 Alexander Bell Drive
Columbia, MD 21046
Telephone: 410-516-6027
Email: Jeddinger@jhu.edu

(3) Procedures Governing Student Conduct Complaints

A member of the faculty or staff, a student, and other aggrieved persons may file a complaint alleging misconduct by a student and/or student organization for a non-academic related matter (as outlined above in the Regulations Governing Student Conduct) with the School of Education's Office of Student Affairs (SA). (To file a complaint alleging academic misconduct, please refer to the Policies Governing Academic Conduct.)

Complaints alleging violation of certain campus policies, which provide procedures for handling matters within the purview of the policies, will be referred to the appropriate University office for handling. For example, complaints involving discrimination, harassment, sexual misconduct, relationship violence or stalking, will be referred to University's Office of Institutional Equity. For these complaints, the University's Sexual Misconduct Policy and Procedures will be followed (available at <http://sexualassault.jhu.edu/policies-laws/>). See Section (2) above for more details.

For cases that do not involve complaints of discrimination, harassment, sexual misconduct, relationship violence or stalking, SA will notify the student and/or student organization of the allegations and will schedule a personal meeting within seven working days of receipt of a written complaint. If the student and/or student organization cannot be reached, a certified letter will be sent to the student and/or student organization outlining the allegations.

In such cases, within 30 days of receipt of a written complaint, SA will conduct an inquiry into the matter to determine the seriousness of the allegations and whether sanctions are necessary. The student's faculty adviser and the Vice Dean for Academic Affairs (or designee) will be notified, on a need to know basis, of the complaint and/or investigation. Depending on the severity of the allegations, the student may be asked not to attend classes during the investigation.

A complaint may be resolved informally or formally. If mediation or other informal mechanisms of resolution are used to resolve complaints of discrimination or harassment, these informal mechanisms may be used only on a voluntary basis. A complainant may end an informal process at any time for any reason and initiate the formal hearing process described in Section (4) below.

For other complaints, if it is determined that sanctions are not necessary, the School of Education's

Office of Student Affairs and the student and/or student organization may arrive at a mutually acceptable agreement concerning the disposition of the charges. However, if it is determined that sanctions are necessary, SA will meet with the student and/or student organization to present the imposed sanctions.

All allegations that a student and/or student organization has violated School of Education policies or campus regulations are intended to be resolved as expeditiously as possible. Accordingly, the procedures outlined here in the Academic and Student Conduct Policies will not be delayed pending the resolution of any criminal or other legal proceedings arising out of the same incidents.

(4) Procedures for Convening a Hearing Committee

For cases that do not involve complaints of discrimination, harassment, sexual misconduct, relationship violence or stalking, if no agreement is reached as provided for above, SA will notify the Dean of the School of Education. In such cases, the Dean (or designee) will appoint a hearing committee to consider the matter. The hearing committee shall comprise at least three members, drawn from the faculty and senior administrative staff. In some cases, another student enrolled in a School of Education program may be asked to serve on the hearing committee. At the hearing, the committee will meet with the accused student and/or student organization and the complainant to make findings of fact, determine whether there has been a violation of the School's student conduct policies, and, in such cases, makes decisions concerning sanctions within seven working days of being convened.

The evidence considered by the hearing committee shall be open to review by the accused student and/or student organization and the complainant prior to the hearing, as will the records of all proceedings of the hearing committee itself. Otherwise, the committee's proceedings will be closed. Neither the accused student and/or student organization nor the complainant will be allowed to make copies of the records or to keep them.

(5) Procedures for Appealing Hearing Committee Decisions

For cases that do not involve complaints of discrimination, harassment, sexual misconduct, relationship violence or stalking, following notification of the decision of a hearing committee, the complainant or the accused student and/or student organization may submit a written appeal within seven working days to the Dean of the School of Education. When such a request is submitted by the party contesting the decision, the Dean (or designee) may send a copy of the request to the opposing party, who, within seven

working days of receiving it, may submit a written response to the Dean (or designee).

A request for appeal must be based on procedural error that had a significant, substantive effect on the outcome of the proceedings, or on newly discovered evidence that was not available at the time of the initial hearing. When the request is based on new evidence, the case may be referred back to the hearing committee for further consideration. After final review of all documentation and the final recommendation of the hearing committee, the Dean (or designee) shall make the final decision in the matter.

(6) Sanctions and Penalties for Violating Student Conduct Policies

Students violating the School of Education student conduct policies may be subject to the following sanctions:

- **Warning:** written notice to a student that continued or repeated violations of specified School or University policies may be cause for further disciplinary action (censure, suspension, dismissal, restitution). A permanent record of the violation will be retained in the student's file.
- **Censure:** written reprimand for violations of specified School or University policies, including notice to the student that repeated violations may be cause for further disciplinary action (suspension, dismissal, restitution).
- **Suspension:** termination of student status for a specified period of time, including an academic semester or semesters, with reinstatement subject to specified conditions, the violation of which may be cause for further disciplinary action, normally in the form of dismissal.
- **Dismissal:** termination of student status at the University.
- **Restitution:** reimbursement for damage to or misappropriation of School, University, or private property, which may be imposed exclusively or in combination with other disciplinary actions. (Such reimbursement may take the form of monetary payment or appropriate service to repair or otherwise compensate for damages. Restitution may be imposed on any student who, either alone or through group or concerted activities, participates in causing the damages or costs.)

UNIVERSITY POLICIES

Below is a select listing of university policies relevant to students. For a complete listing of Johns Hopkins University policies, please refer to-

<https://www.jhu.edu/university-policies/>.

- University Statement on Equal Opportunity – http://web.jhu.edu/administration/jhuoie/equity_compliance/equal_opportunity_statement.html
- Statement on Diversity & Inclusion – http://web.jhu.edu/dlc/resources/statements_diversity_inclusion/
- Principles for Ensuring Equity, Civility and Respect for All – https://www.jhu.edu/assets/uploads/2014/09/equity_civility_respect.pdf
- Anti-Harassment Policy – http://web.jhu.edu/administration/jhuoie/equity_compliance/antiharassment_policy.html
- Sexual Harassment Policy – http://web.jhu.edu/administration/jhuoie/equity_compliance/sexual_harassment_policy.html
- Sexual Violence, Sexual Assault, Relationship Violence, and Stalking Policy – http://web.jhu.edu/administration/jhuoie/equity_compliance/sexual_violence_policy.html
- Procedures on Discrimination, Harassment, Sexual Misconduct, Relationship Violence and Stalking – http://web.jhu.edu/administration/jhuoie/equity_compliance/procedures.html
- Policy Addressing Campus Violence – https://www.jhu.edu/assets/uploads/2014/09/campus_violence.pdf
- Policy on the Safety of Children in University Programs – https://www.jhu.edu/assets/uploads/2014/09/child_safety.pdf
- Policy on Alcohol Abuse and Drug-Free Workplace – <http://hrnt.jhu.edu/pol-man/appendices/sectionE.cfm>
- Policy on Maintaining a Drug-Free Environment – http://hopkinsworklife.org/employee_assistance/drug_free_work_environment/
- University Policy on Family Educational Rights and Privacy (FERPA) – http://www.jhu.edu/news_info/policy/ferpa.html
- Policy on Student Social Security Number Protection and Use – http://www.jhu.edu/news_info/policy/ssnuse.html
- Photography and Film Rights Policy – http://www.jhu.edu/news_info/policy/photography.html

GRADUATE EDUCATION PROGRAMS

ADMINISTRATION, SUPERVISION AND LEADERSHIP

Faculty Contact: Dr. Annette Anderson,
annette.anderson@jhu.edu

Prospective students with questions about programs and/or the application process should first contact soe.info@jhu.edu.

This academic emphasis addresses the needs of principals and other administrators, as well as those aspiring to move into effective leadership positions as department chairs, team leaders, and curriculum coordinators. Programs focus on technology, data decision making, best practices, and assessment.

MASTER OF SCIENCE IN EDUCATION: SCHOOL ADMINISTRATION AND SUPERVISION

This Master of Science (MS) in Education concentration is designed for certified teachers and other certified personnel pursuing leadership positions in kindergarten through grade 12 (K-12) school settings and is approved by the Maryland State Department of Education (MSDE) for school administration and supervision (Administrator I) certification. Designed primarily for those pursuing principalship, assistant principalship, and supervisory positions, this 39-credit program is aligned with the nationally recognized Interstate School Leaders Licensure Consortium (ISLLC) Standards, as well as with the Maryland Instructional Leadership Framework outcomes. Program options are also appropriate for preparing department chairs, team leaders, or curriculum coordinators. In addition to the standard School of Education admissions requirements, applicants are expected to be: 1) certified teachers or other certified school personnel, and 2) currently employed by a school district or an accredited independent school.

A strong emphasis is placed upon the provision of opportunities for students to develop the skills and competencies that are necessary for successful educational leadership. Students have the opportunity to combine their practical experience with current research regarding best practices in areas such as leadership, curriculum and instruction, school law, technology, and other important curricula areas. The seminar is a capstone class where students synthesize prior learning as well as explore some current issues; the internship provides an opportunity for students to create a portfolio based on hands-on experiences in a school. The internship is completed in the school where the students are assigned to work and is completed under the careful

supervision of an in-school mentor and a university supervisor.

The program is delivered in a face-to-face mode and classes are taught at the Baltimore Homewood and Columbia Center campuses.

Learning Outcomes

Upon successful completion of the program, we expect students will:

- Demonstrate specific content knowledge regarding school leadership.
- Demonstrate knowledge of skills needed for collaborating with staff and others to create a vision and plan of improvement for a school.
- Demonstrate skills and dispositions that are needed to manage and to lead with respect to human and material resources and the total organization of a school.
- Demonstrate knowledge, skills, and dispositions that promote effective school, family, and community engagement.
- Demonstrate the ability to assess and to understand the larger context in which educators work today.
- Demonstrate knowledge of strategies and procedures for working fairly and justly with all stakeholders in a diverse school environment.
- Demonstrate knowledge of strategies and processes for providing a school instructional program for all students that is evaluated for effectiveness based on student achievement and other relevant factors (i.e., attendance, for example).
- Become reflective practitioners who are skilled in databased decision making and the use of technology for instructional and administrative purposes.
- Demonstrate skills and strategies related to the safe and orderly operation of a school. Please note that students must attend an organizational meeting or make arrangements to meet with the program coordinator in the semester prior to registering for the internship.

Program Plan

Number of Credits Required: 39

First Sequence of Concentration Requirements
(24 credits)

Must be taken prior to the second sequence.

851.705 Effective Leadership

851.601 Organization and Administration of Schools

851.603 School Law

852.602 Supervision and Professional Development

881.610 Curriculum Theory, Development, and Implementation
851.708 Systemic Change Process for School Improvement
881.611 Action Research for School Improvement
881.622 Advanced Instructional Strategies
Second Sequence of Concentration Requirements (15 credits)

Take the following two courses for a total of 6 credits:

851.609 Administrative and Instructional Uses of Technology

851.616 Issues in K-12 Education Policy

Choose one of the following 3-credit electives:

882.524 Education of Culturally Diverse Students

851.630 School, Family, and Community Collaboration for School Improvement I

The following courses may be taken only after completing the first sequence of 24 credits:

851.809 Seminar in Educational Administration and Supervision

851.810 Internship in Administration and Supervision

MASTER OF SCIENCE IN EDUCATION: TECHNOLOGY FOR EDUCATORS (ONLINE)

The online 36-credit Master of Science (MS) in Education with a concentration in Technology for Educators prepares educators and related professionals to use a broad range of technologies in their multiple roles as teacher, mentor, facilitator, researcher, change agent, and leader. The program is aligned with National Education Technology Standards for educational technology from the International Society for Technology in Education (ISTE), as well as with learning theories from the National Academies of Science's initiatives on the new science of learning. The knowledge base within the Technology for Educators program comes from both existing and emerging methods for effective technology training and effective leadership, including policy, practice, research, wisdom, theory, culturally responsive education, and legislation. The program's coursework involves project based learning and collaborative planning. Candidates gain competencies in instructional leadership, instructional and assistive technologies, systems change, data driven decision-making and Universal Design for Learning.

Program Goals

The goals of the program are to:

- Develop proactive leadership skills for developing a shared vision for educational technology among all education stakeholders, including teachers and support staff, school and district administrators, teacher educators,

students, parents, and the community.

- Create systemic plans aligned with a shared vision for school effectiveness and student learning through the infusion of information and communication technology (ICT) and digital learning resources.
- Develop robust and reliable access to current and emerging technologies and digital resources, with connectivity for all students, teachers, staff, and school leaders.
- Engage in planning, teaching, and assessment centered around the needs and abilities of students.
- Develop and review policies, financial plans, accountability measures, and incentive structures to support the use of ICT and other digital resources for learning and in district school operations.
- Integrate content standards and related digital curriculum resources that are aligned with and support digital age learning and work.

Learning Outcomes

Upon successful completion of the program, we expect students will:

- Become a technology leader to support schools and organizations.
- Establish leadership skills for supporting data driven decision-making.
- Develop skills for advanced technologies, including e-learning, telecommunications and multimedia-based instruction, tools for instructional management and assessment, and adaptive computer access.
- Engage in technology integration, applying the new science of learning, 21st century skills, and a constructivist approach to teaching and learning, as well as the use of authentic assessment strategies, differentiated instruction and appropriate technology tools to accommodate all learners, including students with special needs.
- Build leadership skills through mentoring, consulting, professional development, and systems change.

Program Plan

Number of Credits Required: 36

Core Requirements (9 credits)

- 893.601 Evaluation and Research of Technology Supported Interventions and Programs
893.850 Advanced Applications of Instructional Technology (formerly 893.800 Graduate Internship in Instructional Technology)
893.701 Advanced Seminar in 21st Century Skills

Concentration Requirements (27 credits):

- 810.607 Culturally Responsive Teaching
- 892.562 Access to General Education Curriculum with Technology Accommodations or
- 893.508 Technology and the Science of Learning
- 893.634 Technology Leadership for School Improvement
- 893.563 Multimedia Tools for Instruction or
- 880.623 Instructional Design for Online Learning
- 893.628 Gaming and Media Design for Learning
- 893.545 Integrating Media into Standards-Based Curriculum
- 893.645 Designing and Delivering E-Learning Environments
- 893.550 Emerging Issues for Instructional Technology
- 893.632 Data-Driven Decision-Making for Schools and Organizations

GRADUATE CERTIFICATE PROGRAMS INADMINISTRATION, SUPERVISION AND LEADERSHIP**DATA-BASED DECISION-MAKING AND ORGANIZATIONAL IMPROVEMENT**

This advanced 15-credit certificate program provides school leaders and leaders of other organizations with knowledge and skills to explore and apply basic concepts supporting data-driven decision-making and performance accountability. Program candidates survey data-driven decision-making applications, problem-solving techniques, and methods for engaging in systemic change. Candidates learn to apply data-driven decision-making applications and data-mining strategies to existing classroom, school, or organizational data, and to use persuasive technology (captology) techniques to create compelling decision oriented presentations. Candidates engage in the dynamics of scenario-based problem solving and implementation activities using field-based data to make decisions about school or organizational planning.

Program Goals

- The goals of the program are to:
- Develop proactive leadership skills for developing a shared vision for educational technology among all education stakeholders, including teachers and support staff, school and district administrators, teacher educators, students, parents, and the community.
 - Create systemic data plans aligned with a shared vision for school effectiveness and student learning.
 - Engage in planning, teaching, and

assessment centered around the needs and abilities of students.

- Develop and review policies, financial plans, accountability measures, and incentive structures to support the use of ICT (information and communication technology) and other digital resources for learning and in district school operations.

Learning Outcomes

Upon successful completion of the program, we expect students will:

- Become a technology leader to support schools and organizations.
- Establish leadership skills for supporting data driven decision-making.
- Establish advanced use of data to engage in systemic strategic planning.
- Build leadership skills through mentoring, consulting, professional development, and systems change.

Requirements (15 credits)

- 893.601 Evaluation and Research of Technology Supported Interventions and Programs
- 893.632 Data-Driven Decision Making for Schools and Organizations
- 893.634 Technology Leadership for School Improvement
- 893.645 Designing and Delivering E-Learning Environments
- 893.850 Advanced Applications of Instructional Technology (formerly 893.800 Graduate Internship in Instructional Technology)

EDUCATIONAL LEADERSHIP FOR INDEPENDENT SCHOOLS

This graduate certificate program, offered in collaboration with the Association of Independent Maryland and DC Schools (AIMS), serves the needs of directors, heads of schools, principals, and other professionals responsible for the management of non-public schools. The program is also designed to serve independent schools' teachers who aspire to become administrators in an independent school setting. The certificate program comprises 15 graduate credits, with the option of applying them to the Master of Science in Education with a concentration in Educational Studies.

Learning Outcomes

Upon successful completion of the program, we expect students will:

- Gain a deep understanding of their budgets, general principles of budget development, and strategies for

communicating budgetary issues to their constituencies.

- Develop budgets for their schools that support faculty and staff in meeting their instructional goals.
- Become more proficient supervisors and professional developers with teachers and staff.
- Become more competent consumers and producers of research that is relevant to their jobs.
- Function more effectively and sensitively with faculty, students, staff, parents, and communities of diverse cultures and socioeconomic status.
- Enhance and refine their management skills, including supervision of personnel, strategic planning, conflict management, and fund raising.
- Improve their application of policy and laws to problems or issues that emerge.
- Become competent instructional leaders through the analysis and use of data about their schools and their communities.
- Build proficiency in the use of technology for instruction and administration.
- Become effective mentors and supervisors for their faculty and staff.
- Work effectively as part of a team and develop teams of teachers who provide participatory and democratic leadership to the school.

Applicants to this certificate program must be educational professionals employed in a K-12 independent school.

Requirements (15 credits)

- 851.642 Leadership in Curriculum, Instruction, and Assessment for Independent Schools
- 851.643 Supervision and Professional Development for Personnel in Independent Schools
- 851.644 Public Relations, Marketing, and Fund Raising for Independent Schools
- 851.645 Governance of Independent Schools
- 851.646 Business Management and Finance for Independent Schools

LEADERSHIP FOR SCHOOL, FAMILY AND COMMUNITY COLLABORATION

This 15-credit graduate certificate program is designed to provide educational leaders with the conceptual knowledge and practical skills to organize, implement, and evaluate a team approach to partnerships; create goal oriented programs of

school, family, and community involvement within the larger context of systemic change and reform; communicate effectively with diverse families and community individuals and agencies; and encourage an organizational climate that is conducive to partnerships and collaboration.

Program Goals

The goals of the program are to:

- Provide participants with an understanding of the role of family and community involvement and support within the broader context of school improvement and systemic reform.
- Enhance participants' communication and teambuilding skills to increase their effectiveness as leaders and facilitators of a team approach to school, family, and community partnerships.
- Assist participants in understanding the principles and techniques required for creating organizational climates conducive to the effective implementation of school, family, and community partnerships.
- Provide participants with a comprehensive understanding of family and community involvement and the strategies and skills necessary to design, implement, and evaluate goal-oriented programs of school, family, and community partnerships.
- Prepare students to plan and implement practices that improve student outcomes by strengthening school, family, and community relationships.

Requirements (15 credits)

- 851.648 Team Leadership
- 882.524 Education of Culturally Diverse Students
- 893.601 Evaluation and Research of Technology Supported Interventions and Programs
- 851.630 School, Family, and Community Collaboration for School Improvement I
- 851.631 School, Family, and Community Collaboration for School Improvement II

LEADERSHIP IN TECHNOLOGY INTEGRATION (ONLINE)

This 15-credit online graduate certificate program prepares master teachers to become proficient at integrating technology into standards-based curriculum to improve student learning. Candidates become technology leaders in the classroom, school, and district.

Program Goals

The goals of the program are for students to:

- Engage in planning, teaching, and assessment

centered around the needs and abilities of students.

- Develop proactive leadership skills for developing a shared vision for educational technology among all education stakeholders, including teachers and support staff, school and district administrators, teacher educators, students, parents, and the community.

Learning Outcomes

Upon successful completion of the program, we expect students will:

- Develop skills for advanced technologies, including e-learning, telecommunications and multimedia-based instruction, tools for instructional management and assessment, and adaptive computer access.
- Engage in technology integration, applying the new science of learning, 21st century skills, and a constructivist approach to teaching and learning, as well as the use of authentic assessment strategies, differentiated instruction and appropriate technology tools to accommodate all learners, including students with special needs.
- Build leadership skills for mentoring, consulting, professional development, and systems change.

Requirements (15 credits)

- 893.634 Technology Leadership for School Improvement
- 893.508 Technology and the Science of Learning
- 893.645 Designing and Delivering E-Learning Environments
- 893.632 Data-Driven Decision Making for Schools and Organizations
- 893.850 Advanced Applications of Instructional Technology (formerly 893.800 Graduate Internship in Instructional Technology)

SCHOOL ADMINISTRATION AND SUPERVISION (ONLINE AND FACE-TO-FACE OPTIONS)

The 18-credit face-to-face graduate certificate program option is designed for school-district employed certified teachers and other certified personnel pursuing leadership positions in kindergarten through grade 12 (K-12) school settings and is approved by the Maryland State Department of Education (MSDE) for certification in school administration and supervision (Administrator I). Program options are also appropriate for preparing department chairs, team leaders, or curriculum coordinators. In addition to the standard School of Education admissions requirements, applicants

are expected to be: 1) certified teachers or other certified school personnel, and 2) currently employed by a school district or an accredited independent school.

A strong emphasis is placed upon the provision of opportunities for students to develop the skills and competencies that are necessary for successful educational leadership. The internship is the capstone course; it is completed in the school where the student works and is performed under the careful supervision of an in-school mentor and a university supervisor. Candidates must meet with a faculty adviser before they are fully admitted to this certificate program.

The certificate may be taken as a stand-alone certificate program, may be incorporated into the 39-credit master's degree in School Administration and Supervision, or may be combined with another School of Education graduate certificate program to earn a Master of Science in Education with a concentration in Educational Studies.

Courses in this certificate option are delivered in a face-to-face mode and delivered at the Baltimore Homewood and Columbia Center campuses.

Online Option

The online 18-credit graduate certificate program option is designed to reflect the rigor of the School of Education's face-to-face program option while utilizing the convenience of the online platform to prepare rising K-12 school leaders for the transition into leadership with unparalleled knowledge and support. There are two pathways within the online certificate option: 1) a Flexible option, open to any school-district employed certified teachers and other certified personnel and 2) an option restricted to JHU Teach For America corps members that follows a cohort model. In addition to the standard School of Education admissions requirements, applicants are expected to: 1) be certified teachers or other certified school personnel with at least 27 months of teaching experience, 2) be currently employed by a school district or an accredited independent school, and 3) hold a master's degree.

Please note that while the program meets the certification requirements for Maryland, the School of Education cannot guarantee that the coursework will meet state credentialing requirements outside of Maryland. It is the responsibility of candidates who are employed in states other than Maryland to confirm with their state credentialing agency what the certification requirements are for their state and whether there is reciprocity with Maryland.

For more information on the pathways within the online certificate option, please visit <http://education.jhu.edu/Academics/certificates/schooladmin/online>.

Learning Outcomes

Upon successful completion of the program, we expect students will:

- Demonstrate specific content knowledge regarding school leadership.
- Demonstrate knowledge of skills needed for collaborating with staff and others to create a vision and plan of improvement for a school.
- Demonstrate skills and dispositions that are needed to manage and to lead with respect to human and material resources and the total organization of a school.
- Demonstrate knowledge, skills, and dispositions that promote effective school, family, and community engagement.
- Demonstrate the ability to assess and to understand the larger context in which educators work today.
- Demonstrate knowledge of strategies and procedures for working fairly and justly with all stakeholders in a diverse school environment.
- Demonstrate knowledge of strategies and processes for providing a school instructional program for all students that is evaluated for effectiveness based on student achievement and other relevant factors (i.e., attendance, for example).
- Demonstrate skills and strategies related to the safe and orderly operation of a school.

Please note that students must attend an organizational meeting or make arrangements to meet with the faculty program coordinator in the semester prior to registering for the internship.

Requirements (18 Credits)

- 851.601 Organization and Administration of Schools
- 851.603 School Law
- 851.705 Effective Leadership
- 852.602 Supervision and Professional Development
- 881.610 Curriculum Theory, Development, and Implementation
- 851.81X Internship in Administration and Supervision

COUNSELING AND HUMAN DEVELOPMENT

Faculty Contact: Dr. Norma L. Day-Vines,
norma.dayvines@jhu.edu

Prospective students with questions about programs and/or the application process should first contact soe.info@jhu.edu

The Counseling and Human Development

programs at Johns Hopkins University prepare counselors who specialize in School Counseling and Clinical Mental Health Counseling to implement theoretical, empirical, and practical frameworks that facilitate client growth and development, introspective awareness, and well-being. Students acquire the requisite awareness, knowledge, and skills to deliver counseling services that value the human dignity and worth of all clients irrespective of their individual differences. Faculty members maintain a special commitment to the cultivation of ethical practice, data driven decision-making, multicultural counseling competence, social justice, transformational leadership, reflective practice, lifelong learning, and personal development in students, in accordance with guidelines prescribed by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP), the Council for the Accreditation of Educator Preparation (CAEP—formerly NCATE), the Maryland Higher Education Council (MHEC), the Maryland State Department of Education (MSDE), and the Maryland Department of Health and Mental Hygiene (MDHMH).

MASTER OF SCIENCE IN COUNSELING

The Master of Science (MS) in Counseling degree is designed to prepare individuals to work for the betterment of those around them. The School of Education's Counseling programs prepare competent, ethical, data-driven, culturally responsive and passionate counselors who become leaders in the profession. Our programs offer a nationally recognized evidenced-based counseling curriculum aligned with national and state standards, a distinguished faculty with extensive counseling experience, a strong support system through partnerships with schools districts and mental health settings, valuable clinical experience, and access to the resources of a world renowned institution. The programs' curriculum and field experiences are accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP). Students can choose to specialize in one of two concentrations:

- Clinical Mental Health Counseling
- School Counseling

The School Counseling Program offers two options for completing the 48-credit degree:

- The School Counseling Fellows Program is an intensive full-time training program for individuals interested in urban-focused school counseling. Students graduate in 15 months.
- The School Counseling Flexible Program is a part-time program. Students have a maximum of five years to complete the program.

Application Deadlines

- October 1: for spring Admission to the part-

time Clinical Mental Health Counseling and School Counseling (Flexible) master's programs

- December 1: Priority deadline for full-time Master of Science in School Counseling (Fellows) program (for summer admission) and part-time Master of Science in Counseling programs (for fall admission)

Note: The priority application deadline is for those applicants who wish to receive early consideration for the above programs. Applicants who do not meet the December 1 priority deadline may still be considered for the February 1 deadline.

- February 1: for fall admission to the part-time Clinical Mental Health Counseling and School Counseling (Flexible) master's programs; for summer admission to the full-time School Counseling (Fellows) master's program

CLINICAL MENTAL HEALTH

COUNSELING

The 60-credit master's degree in Counseling with a concentration in Clinical Mental Health Counseling prepares students to work in a wide range of clinical, community, and human service settings. The program provides future counselors with the knowledge and skills critical to the practice of clinical mental health counseling. It provides the required academic credits toward licensure in the state of Maryland and is designed to meet the needs of students from diverse backgrounds who have a wide range of professional goals. Undergraduate degrees from a variety of disciplines (e.g. communication, sociology, anthropology, foreign languages, religion, philosophy, education, psychology) are considered for program admissions. It is currently the only Clinical Mental Health Counseling program in Maryland accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP).

The program's content includes the following areas: professional orientation and ethical practice, social and cultural diversity, human growth and development, career development, helping relationships, group work, assessment, and research/program evaluation. Students will be instructed via didactic experiences, small group experiences, and applied learning at community-based sites.

Admissions Requirements

Applicants to the program must hold a bachelor's degree from a regionally accredited college or university

and have earned a minimum cumulative grade point average of 3.0 (on a 4.0 scale) in all previous undergraduate and graduate studies (including incomplete programs of study and for programs still in progress). Applicants must submit an application, official transcripts from all accredited postsecondary institutions attended, a résumé or curriculum vitae, an essay, dispositions survey, and two letters of recommendation. The content of the essay should address why the candidate wants to be a counselor, the type of contributions the candidate would want to make to the clinical mental health field, a discussion of how the candidate's background and professional experiences may support and/or constrain their becoming an effective counselor, and an exploration of how the candidate's experiences regarding human diversity, volunteerism, travel and/or work have impacted his/her desire to be a counselor. Selected qualified applicants will be invited to participate in a group admission interview.

In order to assess applicant dispositions, faculty will review the required essay and dispositions survey and evaluate responses at the group interviews. The admissions committee reserves the option to require that applicants successfully complete prerequisite coursework prior to admission.

Program Goals

Students will demonstrate proficiency in the eight major counseling content areas: social and cultural diversity, human growth and development, career development, group work, assessment, helping relationships, research and program evaluation, and professional orientation and ethics.

Learning Outcomes

Upon successful completion of the program, we expect students will:

- Facilitate the growth and development of school-age children and/or clients within clinical mental health settings using guidelines prescribed by the Council for the Accreditation of Counseling and Related Educational Programs) and the American School Counselors Association's (ASCA) National Standards (academic development, career development, and personal/social development).
- Serve as advocates and leaders in educational and/or mental health settings.
- Effectively and appropriately counsel school-age children and/or clients within mental health settings.
- Demonstrate the knowledge, role and function of the school and/or mental health counselor and how it relates to professional

practice.

- Build collaborative relationships with community stakeholders.
- Demonstrate effective and meaningful group work with diverse groups of school-age students and clients.
- Develop data-driven school counseling and/or mental health programs that meet the unique needs of clients in populations across the developmental spectrum.
- Develop and implement a plan for evaluating counseling activities and school and/or mental health programs.
- Work ethically and legally in school and/or mental health settings.
- Demonstrate cultural sensitivity and responsiveness with school-age students and clients.
- Demonstrate skilled use of computers, computer technology, and the internet.

Program Requirements

The program's plan of study requires a minimum of 60 graduate credits. With the approval of a faculty adviser, a student may transfer a maximum of three graduate credits from an accredited college or university if the course is directly applicable to the student's degree requirements. Students can opt to complete 600 or 1000 hours of internship activity. If students opt to complete a 600-hour internship experience, they must enroll in a six-credit internship and register for 12 credits of electives. If students opt to complete a 1000-hour internship experience, they must enroll in a 12-credit internship and register for six credits of electives. The program is aligned with the State of Maryland's licensure requirements and CACREP standards. Students are required to achieve a passing score on the CPCE (Counselor Preparation Comprehensive Examination) exam to graduate from the program.

Program Plan

Number of Credits Required: 60

- 861.502 Counseling Theory and Practice (lab course)
- 861.507 Counseling Techniques (lab course)
- 810.606 Human Development and Learning (online course)
- 863.795 Ethical and Legal Issues of Mental Health Counseling (online course)
- 863.607 Diversity and Social Justice in Counseling (lab course)
- 863.501 Introduction to Clinical Mental Health Counseling
- 861.511 Career/Life Development and Planning
- 861.609 Diagnosis in Counseling

- 863.603 Couple and Family Therapy (lab course)
- 861.612 Appraisal and Testing for Counselors (online course)
- 861.503 Group Counseling and Group Experience (lab course)
- 863.630 Addictions Counseling I: Theory and Approaches (online course)
- 863.681 Research and Evaluation for Counselors (online course)
- 863.870 Practicum in Clinical Mental Health Counseling
- 863.875 Internship in Clinical Mental Health Counseling
- Electives—6 or 12 credits of electives (depending on number of internship hours completed) must be selected with approval of a faculty adviser.

Program Notes

- 861.502 and 861.507 Counseling Techniques are required prerequisites for all counseling courses except 810.606 Human Development and Learning.
- Students must complete 36 credits prior to enrolling in 863.870 Practicum in Clinical Mental Health Counseling and have taken 863.607 Diversity and Social Justice in Counseling.
- A minimum of 48 credits of required coursework must be taken before enrolling in 863.875 Internship in Clinical Mental Health Counseling.
- Students planning to start their internship must attend a mandatory meeting in January in order to be eligible to begin internship in the fall semester.
- It is mandatory that students attend all lab sessions to complete the requirements of the course.
- Students must receive a grade of B or better in all laboratory courses and practicum experiences and pass all internship courses (which are graded on a pass/fail basis) to remain in the program. Counseling students who receive a failing grade in the Internship course will be dismissed from the program. Students must also receive successful site evaluations from the site supervisor in order to graduate from the program.
- If a grade of B- or below is earned in a required laboratory course, the student must repeat the course and earn a grade of A or B before registering for any other course. If any additional grade of B- or below is earned in any other required laboratory course, the student will be dismissed from the program, even if an

A or B was earned in the first repeated course.

SCHOOL COUNSELING (FLEXIBLE PROGRAM)

The part-time School Counseling Flexible Program, which is approved by the Maryland State Department of Education (MSDE) and accredited by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP), requires the completion of a minimum of 48 graduate credits for graduation.

Graduates of the program are eligible for Maryland State certification as a school counselor. The mission of the School Counseling program is to serve a diverse population of graduate students representing a variety of cultural dimensions, lifestyles, and capabilities. The top priority of the faculty is to train competent, ethical, data-driven, culturally responsive, and passionate professional school counselors who possess a high level of competence in providing professional counseling and consultation services to individuals, families, and communities and have the skills to research and evaluate the practice. The program's content includes the following areas: professional orientation and ethical practice, social and cultural diversity, human growth and development, career development, helping relationships, group work, assessment, and research/program evaluation. Students are instructed via didactic experiences, small group experiences, and applied learning at community based sites (e.g., agencies, schools).

Admissions Requirements

Applicants to the program must hold a bachelor's degree from an accredited college or university and have earned a minimum cumulative grade point average of at least 3.0 (on a 4.0 scale) in all previous undergraduate and graduate studies (including incomplete programs of study and for programs still in progress). Applicants must submit an application, official transcripts from all accredited postsecondary institutions attended, a résumé or curriculum vitae, a personal statement of goals, dispositions survey, and two letters of recommendation. Qualified applicants will be invited to participate in a group admission interview.

In order to assess applicant dispositions, School of Education faculty will review the required goal statement and dispositions survey and evaluate responses in the group interview. The admissions committee reserves the option to require that program applicants successfully complete prerequisite coursework prior to admission.

Learning Outcomes

Upon successful completion of the program, we

expect students will:

- Facilitate the growth and development of school-age children and/or clients within clinical mental health settings using guidelines prescribed by the Council for the Accreditation of Counseling and Related Educational Programs) and the American School Counselors Association's (ASCA) National Standards (academic development, career development, and personal/social development).
- Serve as advocates and leaders in educational and/or mental health settings.
- Effectively and appropriately counsel school-age children and/or clients within mental health settings.
- Demonstrate the knowledge, role and function of the school and/or mental health counselor and how it relates to professional practice.
- Build collaborative relationships with community stakeholders.
- Demonstrate effective and meaningful group work with diverse groups of school-age students and clients.
- Develop data-driven school counseling and/or mental health programs that meet the unique needs of clients in populations across the developmental spectrum.
- Develop and implement a plan for evaluating counseling activities and school and/or mental health programs.
- Work ethically and legally in school and/or mental health settings.
- Demonstrate cultural sensitivity and responsiveness with school-age students and clients.
- Demonstrate skilled use of computers, computer technology, and the internet.

Program Requirements

With the approval of a faculty adviser, a student may transfer a maximum of three graduate credits from a regionally or nationally accredited college or university if the course is directly applicable to the student's program. In their last year of study, students complete a 600-hour internship. In preparation for the internship, students will be required to complete a criminal disclosure statement and undergo a criminal background check. Students are required to achieve a passing score on the CPCE (Counselor Preparation Comprehensive Examination) exam to graduate from the program.

Students who have not already satisfied the special education requirement as indicated on their State of Maryland Teaching Certificate are also required to take the following course: 871.501 Introduction to Children

and Youth with Exceptionalities.

Program Plan

Number of Credits Required: 48

- 861.502 Counseling Theory and Practice (lab course)
- 861.507 Counseling Techniques (lab course)
- 861.614 The Foundations of School Counseling
- 810.606 Human Development and Learning (online course)
- 861.511 Career/Life Development and Planning
- 863.607 Diversity and Social Justice in Counseling (lab course)
- 863.736 School Counseling Leadership and Consultation
- 863.527 Counseling the Early Adolescent or
- 863.571 Counseling Adolescents or
- 863.526 Introduction to Play Therapy with Children
- 861.503 Group Counseling and Group Experience (lab course)
- 861.609 Diagnosis in Counseling
- 861.612 Appraisal and Testing for Counselors (online course)
- 863.681 Research and Evaluation for Counselors (online course)
- 863.808 Practicum in School Counseling
- 863.820 Internship in School Counseling
- 871.501 Introduction to Children and Youth with Exceptionalities or three credits of electives selected with the approval of a counseling faculty adviser

Program Notes

It is mandatory that students attend all lab sessions to complete the requirements of the course. Students must receive a grade of B or better in all laboratory courses and practicum experiences and pass all internship courses (which are graded on a pass/fail basis) to remain in the program. Counseling students who receive a failing grade in the Internship course will be dismissed from the program. Students must also receive successful site evaluations from the site supervisor in order to graduate from the program.

If a grade of B- or below is earned in a required laboratory course, the student must repeat the course and earn a grade of A or B before registering for any other course. If any additional grade of B- or below is earned in any other required laboratory course, the student will be dismissed from the program, even if an A or B was earned in the first repeated course. Students must attend the mandatory Internship in School Counseling meeting held every January in the spring before they are to begin their internship.

SCHOOL COUNSELING (FELLOWS

PROGRAM)

The School Counseling Fellows Program is designed for individuals interested in pursuing a career in school counseling with a focus on school reform, specifically targeting at-risk youth in urban and/or metropolitan school districts. Those chosen for this innovative full-time program are part of a distinguished cohort of students who complete the 48-credit Master of Science in Counseling degree requirements in 15 months. Approved by the Maryland State Department of Education and accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP), the Fellows program prepares individuals to be leaders and advocates in schools, counsel K-12 students and families, consult and collaborate with community and school stakeholders, and develop data-driven comprehensive counseling programs that promote social justice and equity in schools. Graduates of the Fellows Program are eligible for Maryland State certification as a school counselor.

Admissions Requirements

Applicants to the program must hold a bachelor's degree from an accredited college or university and have earned a minimum cumulative grade point average of at least 3.0 (on a 4.0 scale) in all previous undergraduate and graduate studies (including incomplete programs of study and for programs still in progress). Applicants must submit an application, official transcripts from all accredited postsecondary institutions attended, a résumé or curriculum vitae, a personal statement of goals, dispositions survey, three letters of recommendation, and GRE scores. Qualified applicants will be invited to participate in a group admission interview.

Learning Outcomes

Upon successful completion of the program, we expect students will:

- Facilitate the growth and development of school-age children and/or clients within clinical mental health settings using guidelines prescribed by the Council for the Accreditation of Counseling and Related Educational Programs) and the American School Counselors Association's (ASCA) National Standards (academic development, career development, and personal/social development).
- Serve as advocates and leaders in educational and/or mental health settings.
- Effectively and appropriately counsel school-age children and/or clients within mental health settings.
- Demonstrate the knowledge, role and function of the school and/or mental health counselor and how it relates to professional

practice.

- Build collaborative relationships with community stakeholders.
- Demonstrate effective and meaningful group work with diverse groups of school-age students and clients.
- Develop data-driven school counseling and/or mental health programs that meet the unique needs of clients in populations across the developmental spectrum.
- Develop and implement a plan for evaluating counseling activities and school and/or mental health programs.
- Work ethically and legally in school and/or mental health settings.
- Demonstrate cultural sensitivity and responsiveness with school-age students and clients.
- Demonstrate skilled use of computers, computer technology, and the internet.

Course of Study

The Fellows Program course of study involves classroom, laboratory, and field/site education and training. Students experience a new standard for training school counselors, one that blends theory and practice as they attend a 600-hour internship in the day and classes at night. Interns deliver counseling services under the supervision of certified school counselors.

Program Schedule and Location

Fellows are admitted in the Summer Semester only and complete the degree requirements the following summer. All classes are held at the Education Building, located on the university's Homewood campus in Baltimore.

Program Plan

Number of Credits Required: 48

- Summer Semester I: Sessions I and II (9 credits)
- 810.606 Human Development and Learning (online course)
 - 861.507 Counseling Techniques (lab course)
 - 861.502 Counseling Theory and Practice (lab course) Fall Semester (15 credits)
 - 861.614 The Foundations of School Counseling
 - 863.607 Diversity and Social Justice in Counseling (lab course)
 - 861.511 Career/Life Development and Planning
 - 861.503 Group Counseling and Group Experience (lab course)
 - 863.808 Practicum in School Counseling
- Winter Intersession (6 credits)
- 861.612 Appraisal and Testing for Counselors
 - 861.609 Diagnosis in Counseling

Spring Semester (9 credits)

- 863.820 Internship in School Counseling
- 863.736 School Counseling Leadership and Consultation

Summer Semester II: Session I (9 credits)

- 871.501 Introduction to Children and Youth with Exceptionalities or Elective(s)
- 863.681 Research and Evaluation for Counselors (online course)
- 863.527 Counseling the Early Adolescent or
- 863.571 Counseling Adolescents

Program Notes

It is mandatory that students attend all lab sessions to complete the requirements of the course. Students must receive a grade of B or better in all laboratory courses and practicum experiences and pass all internship courses (which are graded on a pass/fail basis) to remain in the program. Counseling students who receive a failing grade in the Internship course will be dismissed from the program. Students must also receive successful site evaluations from the site supervisor in order to graduate from the program.

If a grade of B- or below is earned in a required laboratory course, the student must repeat the course and earn a grade of A or B before registering for any other course. If any additional grade of B- or below is earned in any other required laboratory course, the student will be dismissed from the program, even if an A or B was earned in the first repeated course.

GRADUATE CERTIFICATE PROGRAMS IN

COUNSELING AND HUMAN DEVELOPMENT

CERTIFICATE OF ADVANCED GRADUATE STUDY (CAGS IN COUNSELING)

The Certificate of Advanced Graduate Study (CAGS) is an advanced 30-credit, post-master's program with a concentration in counseling and clinical supervision for counselors who wish to enhance those skills. Students develop individualized programs with specialized concentrations with their faculty adviser's approval.

Applicants are required to have completed a master's degree in counseling or a related field from a regionally or nationally accredited institution of higher education and submit official transcripts from all accredited postsecondary institutions attended, a statement of personal and career goals, a detailed résumé or curriculum vitae, dispositions survey, and two letters of recommendation. (*Note: letters are not required for students currently enrolled in the School of Education's Clinical Community Counseling/Clinical Mental Health Counseling or School Counseling*)

master's programs.)

Eligible applicants will be invited for an interview with the admission committee.

Required Course

861.713 Advanced Treatment Approaches

Elective Courses

27 credits with the approval of the faculty adviser.

Recommended electives include:

863.880 Theory and Practice of Clinical Supervision

863.875 Internship in Clinical Mental Health Counseling

POST-MASTER'S CERTIFICATE IN CLINICAL MENTAL HEALTH COUNSELING

This 15-credit post-master's certificate is designed to prepare counselors and other human services professionals for specialized areas of practice through the provision of advanced preparation and supervised experience. It is also intended for students who need to complete the academic requirements for licensure as clinical professional counselors. Students develop individualized programs of study with specialized concentrations in consultation with their faculty adviser. The program must be completed within three years.

Applicants are required to have completed a master's degree in counseling or a related field from a regionally or nationally accredited institution of higher education and submit official transcripts from all accredited postsecondary institutions attended, a statement of personal and career goals, a detailed résumé or curriculum vitae, dispositions survey, and two letters. (*Note: letters are not required for students currently enrolled in the School of Education's Clinical Community Counseling/Clinical Mental Health Counseling or School Counseling master's programs.*)

EDUCATION IN THE HEALTH PROFESSIONS

Faculty Contact: Dr. Antoinette (Toni) Ungaretti,
toni@jhu.edu

Program Administrator: Margaret Shamer,
MEHP@jhu.edu, 410-516-5265

Academic Coordinator: Pamela Shepherd,
pamshepherd@jhu.edu, 410-516-5864

MASTER OF EDUCATION IN THE HEALTH PROFESSIONS & POST- MASTER'S CERTIFICATE IN EVIDENCE- BASED TEACHING IN THE HEALTH PROFESSIONS (ONLINE)

The 33-credit Master of Education (M.Ed.) in the Health Professions (MEHP) and 18-credit Post-Master's Certificate in Evidence-Based Teaching in the Health Professions programs are jointly offered through a partnership among five JHU schools: Education, Medicine, Nursing, Public Health, and Business. The goal of both the master's and certificate programs, whose participants are designated as MEHP Fellows, is to develop interprofessional leaders and change agents who will globally transform health professions education.

These programs are designed to serve accomplished health professionals with advanced degrees in medicine, nursing, public health, pharmacy, dentistry, respiratory therapy, physical therapy, medical technology, and other allied health fields. The curriculum prepares participants to become effective educators, educational leaders, and educational researchers.

The programs consist of interprofessional educational experiences designed and delivered by faculty from the five partner schools. The master's program includes an educator portfolio built through the various courses of the program and a capstone experience in either educational leadership/professional development or in educational research. Participants in the certificate and master's programs are provided opportunities to engage in deep discussions, team projects, and group presentations in an interactive online community. The course schedule and online format is designed to complement the lives of busy health professionals who want to advance their competence as educators.

Applicants for the master's degree or the post-master's certificate are required to hold an advanced degree (master's or higher) in a health profession or related field. All courses are offered in an online format. While it is anticipated that most candidates will complete the certificate program within two years and the master's program within four years, students have a maximum of five years to complete the master's degree.

Post-Master's Certificate in Evidence-Based Teaching in the Health Professions

MEHP Fellows take the first 18 credits as the core for the 33-credit MEHP program or as a stand-alone postmaster's certificate. The emphasis of the core/certificate is on preparing health professionals to teach effectively. Participants examine learning theories, adult learning and development theories, hypotheses-driven education-based practice, curriculum development, assessment and feedback, instructional strategies, cultural competence, technology integration, and educational scholarship. Participants create an educational philosophy to guide their work, a curriculum development project, and an agenda for their

educational scholarship.

Core/Certificate Program Goals

As part of the core/certificate, participants will:

- Apply evidence-based strategies and methodologies to teach in a variety of settings.
- Demonstrate the assessment of learner needs in order to differentiate instruction.
- Effectively plan instruction and teach from an interprofessional perspective.
- Effectively teach as a member of an interprofessional team.
- Provide interdisciplinary learning experiences.
- Incorporate their knowledge of standards and standards-based instructional approaches to teaching.
- Employ collaborative and clinical teaching models.
- Assess learning.
- Effectively integrate current and emerging technology into instruction.
- Demonstrate understanding of adult learning principles, theory, and development.
- Function as reflective practitioners.
- Design, implement, and evaluate curriculum.
- Enhance cultural competence and understand its applicability to effective teaching, learning and communication.
- Advise students effectively.

Master of Education in the Health Professions (MEHP)

To earn the full 33-credit master's degree, MEHP Fellows complete the core/certificate and then add one of two 15-credit track options—in educational leadership/professional development or in educational research. Within the research track, MEHP Fellows develop skills in educational research methodology, mixed methods research, educational research design, with elective options in statistics or writing grants and proposals. In the educational leadership/professional development track, MEHP Fellows develop skills in program design, advocacy, and evaluation, leadership skills, program management and faculty evaluation, with elective options in faculty development and grant/proposal writing. Both tracks continue the development of the educator portfolio and conclude with a capstone project that results in a manuscript poised for publication. Finally, in both tracks, MEHP Fellows will develop, implement, and disseminate a capstone project applying knowledge, skills and dispositions acquired throughout the program.

Educational Leadership/Professional

Development Track

MEHP Fellows in the educational leadership/professional development track will:

- Serve as a mentor to others in their institution.
- Build and evaluate professional development programs.
- Secure political, personnel, and financial support for health professions education initiatives.
- Develop an interprofessional orientation to the development, implementation, and evaluation of health education programs.
- Appreciate the contributions and perspectives of various health professions.
- Demonstrate negotiation skills.
- Apply cultural competence to educational program development and delivery.

Educational Research Track

MEHP Fellows in the educational research track will:

- Construct meaningful research questions to discover knowledge that advances education in the health professions.
- Conduct an experiment to determine the effectiveness of knowledge transfer.
- Develop an interprofessional perspective to research on education in the health professions.
- Analyze empirical data to support the theories of effective teaching and adult learning theory.
- Know how to design studies to empirically test hypotheses about educational methods and outcomes.
- Apply knowledge of cultural, racial and ethnic diversity considerations to the design, implementation, analysis and reporting of educational research.
- Disseminate and apply findings to advance teaching and learning in the health professions.

Requirements (33 credits for the MEHP; 18 credits for the Post-Master's Certificate)

(All courses are worth three credits unless otherwise indicated.)

Post-Master's Certificate in Evidence-Based Teaching in the Health Professions (18 credits)

(Taken either as a standalone program or as the first part of the 33-credit MEHP program.)

- 610.610 Foundation to Innovation: Adult Learning
- 880.629 Evidence-Based Teaching
- 880.631 Ensuring Learning through Assessment and Feedback
- 880.633 Curriculum Development
- 880.635 Instructional Strategies I (1.5 credits)

- 880.637 Instructional Strategies II (1.5 credits)
- 880.661 Educational Scholarship: Design (1.5 credits)
- 880.662 Educational Scholarship: Implementation (1.5 credits)

Educational Leadership/Professional Development Track for the MEHP (15 credits)

- 880.639 Development, Management and Evaluation of Health Professions Education Programs
- 880.641 Leadership in Health Professions Education Programs I
- 880.642 Leadership in Health Professions Education Programs II
- 880.647 Professional Development Projects in Health Professions Education I (capstone) Electives
- 880.610 Writing Grant and Contract Proposals for Health Professions Education or
- 880.643 Mentoring in Health Professions Education Programs

Note: Students may take an alternative elective course, subject to faculty adviser approval.

Educational Research Track for the MEHP (15 credits)

- 880.639 Development, Management and Evaluation of Health Professions Education Programs
- 883.510 Understanding Educational Research
- 880.665 Mixed Methods Research
- 880.649 Research Projects in Health Professions Education I (capstone)

Electives

- 880.610 Writing Grant and Contract Proposals for Health Professions Education or
- 880.667 Applied Statistics

Note: Students may take an alternative elective course, subject to faculty adviser approval.

SPECIAL EDUCATION AND GIFTED EDUCATION

Faculty Contact: Dr. Laurie U. deBettencourt, debetten@jhu.edu

Prospective students with questions about programs and/or the application process should first contact soe.info@jhu.edu.

This academic emphasis offers master's degree and certificate options for experienced special education educators and related professionals as well as those preparing to enter the field of special education. This area also offers options designed to prepare teachers and administrators for leadership roles in the field of

gifted education, including a certificate program aimed at classroom teachers and a master's program with an emphasis on research and program development. Degrees and certificates are designed to prepare highly effective special educators and gifted educators, for both certification and non-certification, to work with students having a wide range of disabilities and special needs, including gifted children.

MASTER OF SCIENCE IN SPECIAL EDUCATION

Candidates for the Master of Science (MS) in Special Education may be recent college graduates or professionals experienced in fields other than teaching who wish to develop special education careers. The School of Education offers candidates the following options:

- Full-time master's program in Mild-to-Moderate Disabilities leading to teacher certification (Generic Special Education). This one-year program launches a new cohort every summer.
- Part-time master's programs in various concentrations leading to teacher certification (Generic Special Education and Severely and Profoundly Disabled). Students may begin one of these programs in any semester and have a maximum of five years to complete the program requirements.
- Part-time master's programs in various concentrations that do not lead to teacher certification (for students who choose to pursue the Master of Science in Special Education degree but who do not wish to qualify for teacher certification). Students may begin one of these programs in any semester and have a maximum of five years to complete the program requirements.

Depending on the specific concentration, students complete 36 to 39 graduate credits for their master's degrees. Students must work with a faculty adviser to develop a program of study that includes required and elective courses. Students may complete the program coursework at the Baltimore Homewood (Education Building) and Columbia Center campuses, depending on where courses are offered each semester.

MASTER'S PROGRAMS LEADING TO

TEACHER CERTIFICATION

The following Master of Science (MS) in Special Education programs have been approved by the Maryland State Department of Education (MSDE) for teacher certification in the following areas:

- Early Childhood Special Education (Infant/Primary): birth through grade three. (MSDE Certification: Generic Special Education)
- Mild to Moderate Disabilities (Elementary/Middle), grades one through eight. (MSDE Certification: Generic Special Education)
- Mild to Moderate Disabilities (Secondary/Adult), grades six through twelve. (MSDE Certification: Generic Special Education)
- Severe Disabilities, birth through grade 12. (MSDE Certification: Severely and Profoundly Disabled)

Admission Requirements

To be fully admitted, applicants must have earned at least a bachelor's degree from a regionally accredited college or university and have earned a minimum cumulative average GPA of 3.0 (out of 4.0) in all previous undergraduate and graduate studies (including for incomplete programs of study and for programs still progress). Applicants must complete the online application and submit official transcripts from all accredited post-secondary institutions attended, a résumé or curriculum vitae, an essay indicating the candidate's professional goals, dispositions survey, and either three (for the full-time Mild to Moderate master's program option) or two (for all part-time master's program options) letters of recommendation, plus achieve passing score: Praxis I/Core, SAT, ACT or GRE. (Please visit the Maryland State Department of Education (MSDE) website at http://www.marylandpublicschools.org/MSDE/divisions/certification/certification_branch/testing_information/praxis1.html to view the current state requirements.)

Note: Applicants seeking to enroll in the full-time Master of Science in Special Education program must submit GRE scores as part of the application process. While the GRE is compulsory only for applicants seeking to enroll in the full-time Master of Science in Special Education program, all applicants to Special Education master's programs are encouraged to submit GRE scores as part of their application package.

Internship Requirements

Students seeking State certification are required to complete two internships during their program. Prior to the first internship, students will be required to undergo a criminal background check. Students wishing to enroll in an internship course must complete an application through the School of Education's Field Experience Office (<http://www.students.education.jhu.edu/studentaffairs/academic/FieldExperience/>) at least one semester prior to the one in which they plan to complete

the internship. Students are responsible for completing all requirements prior to each internship and should frequently review the information shared on the Field Experience Office web page.

Students must earn a grade of B or better in each required internship. If a student earns a grade below B in an internship, the student must repeat the internship, and earn a grade of B or A. Students may not register for any other course until they complete the repeated internship. If a student earns a grade below B in subsequent internships, the student may be dismissed from the program.

Program of Study

Depending on the specific area of concentration, students complete 36 to 39 graduate credits for their master's degree. Students must work with a faculty adviser to develop a program of study that includes required and elective courses. (*Note: Students who take courses outside their approved program of study do so at their own risk— there is no guarantee that credit earned from unapproved courses will be accepted.*) In addition to coursework, students must successfully complete the internships, Graduate Student Project (with presentation), and Graduate Student Internship Portfolio; pass Praxis II and a Comprehensive Examination; and fulfill any other program-specific requirements prior to graduation. Upon graduation, students will be eligible for Maryland State certification under the appropriate specialization area.

Program Goals

The goals of the School of Education's MS in Special Education certification programs are to:

- Secure accreditation from the Council for the Accreditation of Educator Preparation (CAEP, formerly NCATE) and the Council for Exceptional Children (CEC), as well as approval by the Maryland State Department of Education (MSDE).
- Graduate highly qualified special educators, as measured by the successful completion of coursework, comprehensive exams, graduate projects and presentations, and required state Praxis exams.
- Graduate highly qualified special educators who possess the requisite competencies to effectively educate students with exceptionalities from a diverse range of backgrounds and needs in a variety of educational settings.

Program Objectives

The learning objectives of the School of Education's MS in Special Education certification programs are to:

- To prepare qualified and credentialed special education professionals who are prepared to apply evidenced based strategies.
- To provide multiple opportunities to bridge theory with practice.
- To prepare qualified and credentialed special education professionals who possess and exhibit collaborative and ethical behaviors with students and colleagues.
- To prepare qualified and credentialed special education professionals have acquired the knowledge to access necessary resources and the professional networks that will further their professional development.
- To provide cutting edge research and excellent instruction, as evidenced by faculty scholarship and teaching evaluations.

Learning Outcomes

The learning outcomes for graduates of the School of Education's MS in Special Education certification programs are measured across seven content standard areas, as outlined by the Council for Exceptional Children (CEC, 2012).

Standard 1: Learner Development and Individual Learning Differences

- 1.0 Beginning special education professionals understand how exceptionalities may interact with development and learning and use this knowledge to provide meaningful and challenging learning experiences for individuals with exceptionalities.
- 1.1 Beginning special education professionals understand how language, culture, and family background influence the learning of individuals with exceptionalities.
- 1.2 Beginning special education professionals use understanding of development and individual differences to respond to the needs of individuals with exceptionalities.

Standard 2: Learning Environments

- 2.0 Beginning special education professionals create safe, inclusive, culturally responsive learning environments so that individuals with exceptionalities become active and effective learners and develop emotional well-being, positive social interactions, and self-determination.
- 2.1 Beginning special education professionals through collaboration with general educators and other colleagues create safe, inclusive, culturally responsive learning environments to engage individuals with exceptionalities

in meaningful learning activities and social interactions.

- 2.2 Beginning special education professionals use motivational and instructional interventions to teach individuals with exceptionalities how to adapt to different environments.
- 2.3 Beginning special education professionals know how to intervene safely and appropriately with individuals with exceptionalities in crisis.

Standard 3: Curricular Content Knowledge

- 3.0 Beginning special education professionals use knowledge of general and specialized curricula to individualize learning for individuals with exceptionalities.
- 3.1 Beginning special education professionals understand the central concepts, structures of the discipline, and tools of inquiry of the content areas they teach, and can organize this knowledge, integrate cross-disciplinary skills, and develop meaningful learning progressions for individuals with exceptionalities.
- 3.2 Beginning special education professionals understand and use general and specialized content knowledge for teaching across curricular content areas to individualize learning for individuals with exceptionalities.
- 3.3 Beginning special education professionals modify general and specialized curricula to make them accessible to individuals with exceptionalities.

Standard 4: Assessment

- 4.0 Beginning special education professionals use multiple methods of assessment and data sources in making educational decisions.
- 4.1 Beginning special education professionals select and use technically sound formal and informal assessments that minimize bias.
- 4.2 Beginning special education professionals use knowledge of measurement principles and practices to interpret assessment results and guide educational decisions for individuals with exceptionalities.
- 4.3 Beginning special education professionals in collaboration with colleagues and families use multiple types of assessment information in making decisions about individuals with exceptionalities.
- 4.4 Beginning special education professionals engage individuals with exceptionalities to work toward quality learning and performance

and provide feedback to guide them.

Standard 5: Instructional Planning and Strategies

- 5.0 Beginning special education professionals select, adapt, and use a repertoire of evidence-based instructional strategies to advance learning of individuals with exceptionalities.
- 5.1 Beginning special education professionals consider an individual's abilities, interests, learning environments, and cultural and linguistic factors in the selection, development, and adaptation of learning experiences for individual with exceptionalities.
- 5.2 Beginning special education professionals use technologies to support instructional assessment, planning, and delivery for individuals with exceptionalities.
- 5.3 Beginning special education professionals are familiar with augmentative and alternative communication systems and a variety of assistive technologies to support the communication and learning of individuals with exceptionalities.
- 5.4 Beginning special education professionals use strategies to enhance language development and communication skills of individuals with exceptionalities.
- 5.5 Beginning special education professionals develop and implement a variety of education and transition plans for individuals with exceptionalities across a wide range of settings and different learning experiences in collaboration with individuals, families, and teams.
- 5.6 Beginning special education professionals teach to mastery and promote generalization of learning.
- 5.7 Beginning special education professionals teach cross-disciplinary knowledge and skills such as critical thinking and problem solving to individuals with exceptionalities.

Standard 6: Professional Learning and Ethical Practice

- 6.0 Beginning special education professionals use foundational knowledge of the field and their professional Ethical Principles and Practice Standards to inform special education practice, to engage in lifelong learning, and to advance the profession.
- 6.1 Beginning special education professionals use professional Ethical Principles and Professional Practice Standards to guide their practice.

- 6.2 Beginning special education professionals understand how foundational knowledge and current issues influence professional practice.
- 6.3 Beginning special education professionals understand that diversity is a part of families, cultures, and schools, and that complex human issues can interact with the delivery of special education services.
- 6.4 Beginning special education professionals understand the significance of lifelong learning and participate in professional activities and learning communities.
- 6.5 Beginning special education professionals advance the profession by engaging in activities such as advocacy and mentoring.
- 6.6 Beginning special education professionals provide guidance and direction to paraeducators, tutors, and volunteers.

Standard 7: Collaboration

- 7.0 Beginning special education professionals collaborate with families, other educators, related service providers, individuals with exceptionalities, and personnel from community agencies in culturally responsive ways to address the needs of individuals with exceptionalities across a range of learning experiences.
- 7.1 Beginning special education professionals use the theory and elements of effective collaboration.
- 7.2 Beginning special education professionals serve as a collaborative resource to colleagues.
- 7.3 Beginning special education professionals use collaboration to promote the well-being of individuals with exceptionalities across a wide range of settings and collaborators.

EARLY CHILDHOOD SPECIAL EDUCATION (INFANT/PRIMARY LEVEL) (MSDE CERTIFICATION—GENERIC SPECIAL EDUCATION)

This 39-credit program prepares teachers and related services professionals to work with infants, preschoolers, and children in grades one through three who are receiving early intervention or special education services. Students also learn techniques in working with families of young children with special needs. A combination of coursework and field experiences develops competence in legal and philosophical issues, typical and atypical child development, evaluation and assessment, curriculum and instruction, collaborative programming, and professional development.

Graduates of this program are eligible for certification in generic special education in Maryland.

Along with the required coursework, graduate students must achieve qualifying scores on the Praxis I/Core exam (or one of the alternative State approved tests) prior to admission and pass the Special Education Praxis II exam prior to the second internship. All students must complete two internships, a Graduate Student Project (with presentation), a Graduate Student Internship Portfolio, and pass all required Praxis and Comprehensive exams before program completion.

Program Plan

Number of Credits Required: 39

Prerequisite Courses (12 credits) (may be taken elsewhere)

- 871.501 Introduction to Children and Youth with Exceptionalities
- 872.800 Exploratory Site-Based Field Experience in Early Childhood Special Education (or prior experience)
- 882.511 Human Growth and Development: A Lifespan Perspective
- 884.502 Diagnosis/Assessment for Reading Instruction

Core Courses (9 credits)

- 871.510 Legal Aspects, Service Systems, and Current Issues in Special Education (online course)
- 871.512 Collaborative Programming in Special Education
- 871.513 Applied Behavioral Programming

Specialized Courses (24 credits)

- 872.500 Seminar: Current Trends and Issues in Early Childhood Special Education
- 872.501 Screening, Diagnosis, & Assessment of Young Children with Disabilities
- 872.502 Instructional Program Planning and Methods: Birth–3 Years
- 872.503 Instructional Program Planning and Methods: Grades PreK–3
- 872.504 Materials for Teaching Reading to Young Children with Disabilities: Grades K–3
- 872.506 Instruction of Reading for Young Children with Disabilities: Grades K–3
- 872.509 Assessment of Reading for Young Children with Disabilities: Grades K–3
- 872.514 Development of Young Children with Disabilities

Advanced Field Placements (6 credits)

- 872.810 Internship: Early Intervention and Preschool Special Education
- 872.811 Internship: Preschool and Primary Level Special Education

MILD TO MODERATE DISABILITIES: ELEMENTARY/MIDDLE AND SECONDARY/ ADULT (MSDE CERTIFICATION—GENERIC SPECIAL EDUCATION)

This 39-credit program, which can be taken on either a full- or part-time basis, is designed for individuals who are seeking teacher certification to work with students who have mild to moderate disabilities, including learning disabilities, emotional disturbances, and mild intellectual disabilities. The full-time program option launches a new cohort every summer and candidates complete the program in four semesters. In the part-time program option, candidates can start the program at any point during the academic year (summer, fall or spring semester) and complete the program at their own pace. Candidates in the part-time program option must complete all program requirements within five years.

Teacher certification options are available at the elementary/middle school (grades one through eight) or secondary/adult levels (grades six through 12). The teacher certification program provides instruction and applied experiences in legal issues, educational assessment, data-based decision making, instructional programming, behavior management, and collaborative programming among general and special educators. Students learn to apply specialized techniques within a continuum of educational settings, with a particular emphasis on urban settings.

Graduates of this program are eligible for certification in generic special education in Maryland. Along with the required coursework, graduate students must achieve qualifying scores on the Praxis I/Core exam (or one of the alternative State approved tests) prior to admission and pass the Special Education Praxis II exam prior to the second internship. All students must complete two internships, a Graduate Student Project (with presentation), a Graduate Student Internship Portfolio, and pass all required Praxis and Comprehensive exams before program completion. *Note: Applicants seeking to enroll in the full-time program option must submit GRE scores.* While the GRE will be compulsory only for applicants seeking to enroll in the fulltime program option, applicants to the part-time program option are encouraged to submit GRE scores as part of their application package.

Program Plan

Number of Credits Required: 39

Prerequisite Courses for both Elementary/Middle (15 credits) and Secondary/Adult Concentrations (12 credits) (may be taken elsewhere)

- 871.501 Introduction to Children and Youth with

Exceptionalities
882.511 Human Growth and Development: A Lifespan Perspective
884.500 Introductory Processes and Acquisition of Reading
884.502 Diagnosis/Assessment for Reading Instruction
884.505 Materials for Teaching Reading (required for Elementary/Middle candidates only)

Required Courses: Elementary/Middle Concentration (39 credits)

871.510 Legal Aspects, Service Systems, and Current Issues in Special Education (online course)
871.511 Instructional Planning and Management in Special Education
871.512 Collaborative Programming in Special Education
871.513 Applied Behavioral Programming
874.512 Characteristics of Students with Mild to Moderate Disabilities: Learning Disabilities, Behavioral Disorders, and Intellectual Disabilities
874.513 Educational Assessment of Students with Mild to Moderate Disabilities: Elementary/Middle
874.524 Spoken and Written Language: Methods for Students with Mild to Moderate Disabilities
874.525 Mathematics: Methods for Students with Mild to Moderate Disabilities
874.526 Classroom Management: Methods for Students with Mild to Moderate Disabilities
874.541 Reading: Methods for Students with Mild to Moderate Disabilities
874.860 Mild to Moderate Disabilities Internship: Induction—Elementary/Middle
874.861 Mild to Moderate Disabilities Internship: Culmination—Elementary/Middle
892.562 Access to General Education Curriculum with Technology Accommodations (online course)

Required Courses: Secondary/Adult Concentration (39 credits)

871.510 Legal Aspects, Service Systems, and Current Issues in Special Education (online course)
871.511 Instructional Planning and Management in Special Education
871.512 Collaborative Programming in Special Education
871.513 Applied Behavioral Programming
874.512 Characteristics of Students with Mild to Moderate Disabilities: Learning Disabilities, Behavioral Disorders, and Intellectual Disabilities
874.514 Educational Assessment of Students with Mild to Moderate Disabilities: Secondary/Adult
874.526 Classroom Management: Methods for Students with Mild to Moderate Disabilities

874.527 Career Assessment and Programming: Education of Students with Mild to Moderate Disabilities
874.528 Diversifying the General Education Curriculum: Methods for Secondary Students with Mild to Moderate Disabilities
874.542 Reading, English, and Language Arts: Methods for Secondary Students with Mild to Moderate Disabilities
874.870 Mild to Moderate Disabilities Internship: Induction—Secondary/Adult
874.871 Mild to Moderate Disabilities Internship: Culmination—Secondary/Adult
892.562 Access to General Education Curriculum with Technology Accommodations (online course)

SEVERE DISABILITIES (MSDE CERTIFICATION—SEVERELY AND PROFOUNDLY DISABLED)

This 36-credit graduate degree prepares individuals to teach students whose educational priorities include specialized instruction and intensive support in areas of independent living and adaptive behavior. This degree also includes courses appropriate for teachers working with students identified on the Autism Spectrum.

The program's curriculum addresses legal issues; instructional planning; applied behavioral programming; collaborative programming; medical and physical aspects; communication and social skills; augmentative communication instruction; motor, hearing, and vision management; community and independent living skills instruction.

Graduates of this program may be eligible to apply for Maryland special education certification (Severely and Profoundly Disabled—birth through grade 12).

Graduates seeking state certification will need to complete four reading courses (see the pre-requisites listed in the program plan below), in addition to the 36 credits of required coursework and pre-requisites.

Along with the required coursework and pre-requisites, graduate students must achieve qualifying scores on the Praxis I/Core exam (or one of the alternative State approved tests) prior to admission and pass the Special Education Praxis II exam prior to the second internship. All students must complete two internships, a Graduate Student Project (with presentation), a Graduate Student Internship Portfolio, and pass all required Praxis and Comprehensive exams before program completion.

Program Plan

Number of Credits Required: 36

Prerequisite Courses (18 credits) (may be taken elsewhere)

871.501 Introduction to Children and Youth with Exceptionalities
 872.504 Materials for Teaching Reading to Young Children with Disabilities: Grades K-3*
 872.506 Instruction of Reading for Young Children with Disabilities: Grades K-3*
 882.511 Human Growth and Development: A Lifespan Perspective
 884.500 Introductory Processes and Acquisition of Reading*
 884.502 Diagnosis/Assessment for Reading Instruction*
 *Note: The above reading courses are required for state licensure in Maryland.

Required Courses (36 credits)

871.510 Legal Aspects, Service Systems, and Current Issues in Special Education (online course)
 871.511 Instructional Planning and Management in Special Education
 871.512 Collaborative Programming in Special Education
 871.513 Applied Behavioral Programming
 871.514 Medical and Physical Aspects of Disabilities
 877.513 Education of Students with Severe Disabilities: Augmentative Communication Systems
 877.514 Community and Independent Living Skills
 877.515 Education of Students with Severe Disabilities: Hearing and Vision Impairments
 877.518 Education of Students with Severe Disabilities: Management of Motor Skills
 877.555 Teaching Communication and Social Skills
 877.810 Internship in Severe Disabilities: Induction
 877.811 Internship in Severe Disabilities: Culmination

NON-CERTIFICATION MASTER'S

PROGRAMS

The School of Education offers a number of program options for students not seeking certification but who want to enhance their skills in a specialized area of special education. Currently, the School offers three noncertification specializations:

- General Special Education Studies
- Severe Disabilities
- Severe Disabilities: Emphasis in Autism Spectrum Disorders

Admission Requirements

To be fully admitted, applicants must have at least a bachelor's degree from a regionally accredited college or university and have earned a minimum

cumulative average GPA of 3.0 (out of 4.0) in all previous undergraduate and graduate studies (including for incomplete programs of study and for programs still in progress). Applicants must complete an application and submit official transcripts from all accredited post-secondary institutions attended, a résumé or curriculum vitae, an essay indicating your professional goals, dispositions survey and two letters of recommendation.

Note: In addition to fulfilling the above application requirements, applicants to the Master of Science in Special Education: General Special Education Studies are also required to submit proof of their initial State teacher certification in special education.

Internship Requirements

Students will be required to complete an internship as part of their master's program. Prior to the internship, students will undergo a criminal background check. Students wishing to enroll in an internship course must complete an application through the School of Education's Field Experience Office (<http://www.students.education.jhu.edu/studentaffairs/academic/FieldExperience/>) at least one semester prior to the one in which they plan to complete the internship. Students are responsible for completing all requirements prior to each internship and should frequently review the information shared on the Field Experience Office web page.

Students must earn a grade of B or better in each required internship. If a student earns a grade below B in an internship, the student must repeat the internship, and earn a grade of B or A. Students may not register for any other course until they complete the repeated internship. If a student earns a grade below B in subsequent internships, the student may be dismissed from the program.

Program Requirements

Depending on the specific concentration, students complete 36 to 39 graduate credits for their master's degree. Students must work with a faculty adviser to develop a program of study that includes required and elective courses. All students must complete a Graduate Student Project (with presentation) and pass Comprehensive exams before program completion.

GENERAL SPECIAL EDUCATION STUDIES

The Master of Science in General Special Education Studies provides an individualized 36-39-credit program of study for individuals working in school and community organizations that support children, youth, and adults with disabilities. This program accepts certified special educators and related services

and community based professionals. Applicants must possess an academic background in special education or a closely-related field and have experience working with individuals who have cognitive and/or developmental disabilities. (As part of the admissions process, applicants are required to submit proof of their initial State teacher certification in special education.)

With the approval of their faculty adviser, students may apply credits earned in two graduate certificate programs toward the Master of Science in Special Education degree with a concentration in General Special Education Studies. Students must apply for the master's program and the graduate certificates concurrently. All programs requirements must be completed within five years. Current eligible graduate certificate program offerings include:

- Advanced Methods for Differentiated Instruction and Inclusive Education
- Early Intervention/Preschool Special Education Specialist
- Education of Students with Autism and Other Pervasive Developmental Disorders
- Gifted Education

The following two courses are required for several of the certificates:

- 871.510 Legal Aspects, Service Systems, and Current Issues in Special Education (online course)
- 874.830 Graduate Project in Mild to Moderate Disabilities

(Note: Course number for graduate project may differ, depending on area of specialization.)

SEVERE DISABILITIES

This 36-credit program is designed for special educators and related service practitioners seeking to broaden their knowledge and skills working with children, youth, and adults with severe disabilities. Past graduates of the program have included physical, occupational, and speech therapists, nurses, community residence staff, teachers, and educational program directors.

It is recommended that applicants confer with a faculty adviser to plan a program of study before applying for admission. All students must complete the internship, a Graduate Student Project (with presentation), a Graduate Student Portfolio, and pass the Comprehensive Examination prior to graduation.

Program Plan

Number of Credits Required: 36

Prerequisite or Corequisite Courses (may be taken elsewhere)

- 871.501 Introduction to Children and Youth with

Exceptionalities

882.511 Human Growth and Development: A Lifespan Perspective

Required Courses (36 credits)

- 871.510 Legal Aspects, Service Systems, and Current Issues in Special Education (online course)
- 871.511 Instructional Planning and Management in Special Education
- 871.512 Collaborative Programming in Special Education
- 871.513 Applied Behavioral Programming
- 871.514 Medical and Physical Aspects of Disabilities
- 877.513 Education of Students with Severe Disabilities: Augmentative Communication Systems
- 877.514 Community and Independent Living Skills
- 877.515 Education of Students with Severe Disabilities: Hearing and Vision Impairments
- 877.518 Education of Students with Severe Disabilities: Management of Motor Skills
- 877.555 Teaching Communication and Social Skills
- 877.810 Internship in Severe Disabilities: Induction
- 87x.xxx Elective (students must take 3 credits of elective coursework, subject to the approval of the faculty adviser)

SEVERE DISABILITIES: EMPHASIS IN AUTISM SPECTRUM DISORDERS

This 36-credit master's degree program option prepares individuals to teach students on the autism spectrum—ages birth through adult—whose educational priorities include specialized instruction and support in areas of communication, social/emotional skills, cognitive skills, and adaptive/ independence skills. Students must complete one applied internship in a setting which provides support to students on the autism spectrum. The purpose of this internship is to allow the student to demonstrate mastery of program content and leadership through application in real-world settings. In addition, students must complete a Graduate Student Project (with presentation), a Graduate Student Portfolio, and pass the Comprehensive Examination prior to graduation.

Program Plan

Number of Credits Required: 36

Prerequisite or Corequisite Courses (may be taken elsewhere)

- 871.501 Introduction to Children and Youth with Exceptionalities
- 882.511 Human Growth and Development: A Lifespan Perspective

Required Courses (36 credits)

- 871.510 Legal Aspects, Service Systems, and Current Issues in Special Education (online course)
- 871.511 Instructional Planning and Management in Special Education
- 871.512 Collaborative Programming in Special Education
- 871.513 Applied Behavioral Programming
- 877.513 Education of Students with Severe Disabilities: Augmentative Communication Systems
- 877.514 Community and Independent Living Skills
- 877.550 Inclusive Practices for Autism Spectrum Disorders
- 877.551 Survey of Autism and Other Pervasive Developmental Disorders
- 877.553 Classroom Programming for Students with Autism
- 877.555 Teaching Communication and Social Skills
- 877.810 Internship in Severe Disabilities: Induction
- 87x.xxx Elective (students must take 3 credits of elective coursework, subject to the approval of the faculty adviser)

MASTER OF SCIENCE IN EDUCATION: GIFTED EDUCATION

The 33-credit Master of Science (MS) in Education with a concentration in Gifted Education is designed to prepare teachers and administrators for leadership roles in the field of gifted education, with an emphasis on research and program development. Based on the National Association for Gifted Children (NAGC) and the Council for Exceptional Children (CEC) standards for teachers of gifted children, candidates will study the foundations of gifted education, characteristics of gifted learners, and hone their knowledge and skills in curriculum, instruction, and assessment to meet the needs of academically talented students in classrooms. As part of the program, candidates will observe gifted students and design lessons and develop programs that are appropriate for gifted students' intellectual and developmental needs. The program is recognized by the Maryland State Department of Education as meeting the requirements for Gifted and Talented Specialist certification in Maryland.

The program is designed to be completed in six semesters, with students typically taking two courses per semester—though students may elect to take longer. A new cohort will launch every fall (subject to sufficient enrollments), with courses being delivered at the Columbia Center campus.

Program Goals

The goals of the program are to prepare students who are able to:

- Explain the foundations and theories of gifted education.
- Use knowledge of development and characteristics of gifted students as learners to design appropriate curricula.
- Recognize individual learning differences among diverse gifted learners when planning curricula.
- Create learning environments that foster creativity, cultural understanding, and positive social interactions among diverse learners.
- Use knowledge about the role of language and communication in talent development to help gifted learners succeed in school.
- Use instructional strategies that are appropriate for gifted students from diverse backgrounds within inclusive classroom settings.
- Use assessment techniques for placement and monitoring progress of gifted students.
- Reflect on ethical and professional practices including their own attitudes, behaviors, and ways of communicating with diverse learners.
- Collaborate effectively with families, other educators, and related service providers associated with gifted learners.
- Use their knowledge of organizational theory and the needs of different groups in a pluralistic society to formulate organizational goals promoting evidence based practices and challenging expectations for individuals with exceptional learning needs.
- Develop procedures for continuous improvement management systems by using their understanding of the effects of cultural, social, and economic diversity, and the variations of individual development to inform their development of programs and services for individuals with exceptional learning needs.
- Use educational research to improve instructional techniques, intervention strategies, and curricular materials.
- Design and implement research activities to evaluate the effectiveness of instructional practices and to assess progress toward the organizational vision, mission, and goals of their programs.

Program Plan

Number of Credits Required: 33

Required Courses (27 credits)

- 885.501 The Gifted Learner
- 885.505 Creativity and Critical Thinking
- 885.510 Curriculum, Assessment, and Instruction

for Gifted Learners
885.512 The Gifted/Learning Disabled Learner
885.604 Social and Emotional Needs of the Gifted
885.515 Program Development and Assessment in Gifted Education
885.516 Action Research in Gifted Education
885.820 Practicum in Gifted Education
885.519 Seminar in Gifted Education

Elective Courses (6 credits)

In addition, students must take two 3-credit elective courses, subject to the approval of their faculty adviser, in special education, counseling, leadership, or another interest area pertinent to the degree.

GRADUATE CERTIFICATE PROGRAMS IN SPECIAL

EDUCATION AND GIFTED EDUCATION

ADVANCED METHODS FOR DIFFERENTIATED INSTRUCTION AND INCLUSIVE EDUCATION

This 15-credit certificate program is designed for educators who are challenged by students' varied learning backgrounds and needs. Program content provides practical classroom-based methodologies for educators teaching within heterogeneous classroom settings.

Educators acquire methodologies for differentiating curriculum outcomes and instructional techniques to effectively teach the range of students in classrooms today, including students with disabilities, bilingual backgrounds, at-risk students, typical learners, and gifted learners.

The certificate comprises five courses that feature foundational and advanced research-based practices related to how educators can collaborate, plan, and instruct students with diverse learning needs. Coursework can be completed within a one-year period with course assignments featuring applied projects in schools.

Students may combine this certificate with a second certificate in special education to pursue the Master of Science in General Special Education Studies. Students interested in the two-certificate pathway to the master's degree must apply for admission into the master's and certificate programs concurrently.

Learning Outcomes

Upon successful completion of the program, we expect students will:

- Describe characteristics of various disabilities and how they impact education.
- Demonstrate knowledge of differentiation

instructional approaches incorporating process, content, product, and technology for students with special needs.

- Demonstrate an understanding of classroom management in a differentiated classroom.
- Demonstrate an ability to assess and use curriculum based measurement (CBM) assessment to improve learning for special needs students.
- Interpret information from formal and informal assessment instruments in order to plan, modify, and adapt for secondary curriculum.
- Recognize cultural diversity of students.
- Adapt a curriculum in a core content area using differentiation of instruction learning strategies and alternative assessment.
- Evaluate and apply a range of flexible differentiating instructional grouping strategies for whole-class, small group, and individualized learning experiences during a unit or lesson in his or her classroom.
- Work collaboratively to share knowledge, skills, and experience.

Requirements (15 credits)

871.512 Collaborative Programming in Special Education
878.501 Differentiated Instruction and Inclusion
878.502 Curriculum Design and Adaptations for Strategic Interventions I
878.503 Educational Measurement and Curricular-Based Assessment
878.505 Cooperative Learning for Diverse School Programs

APPLIED BEHAVIOR ANALYSIS

The 24-credit Post-Master's Certificate in Applied Behavior Analysis (ABA)—designed for special educators, administrators, and school counselors—offers specific coursework and training in the field of applied behavior analysis. Special education teachers who receive preparation in the evidence-based practice of ABA will be better prepared to meet the needs of a growing population of children diagnosed with autism spectrum disorders (ASD). Additionally, the ABA certificate will support the career goals of special education teachers and other school personnel who desire this specialized training. Johns Hopkins University is the only school of education in the state of Maryland to offer this specialized certificate.

The Behavior Analyst Certification Board, Inc.® has approved the course sequence as meeting the coursework and practicum experience requirements for eligibility to take the Board Certified Behavior Analyst Examination.®

Applicants will have to meet additional requirements to qualify for board certification. Upon completion of the program, graduates will be eligible to apply for certification as a behavior analyst (BCBA), offered through the BACB. It is expected that all students will pursue BCBA certification upon completion of the program. For more information about BCBA certification, please visit the BCAB web site.

The broad educational objective of the ABA program is to prepare special educators to become effective teachers and leaders in applied behavior analysis within their schools (preK through grade 12).

Applicants must hold a master's degree in special education or in a related field from an accredited institution of higher education. Applications will be accepted throughout the year, with a new cohort scheduled to launch each year in the fall.

Learning Outcomes

Upon successful completion of the coursework and practicum components of the certificate, we expect students will:

- Define, demonstrate, and apply the concepts and principles of behavior analysis within an educational setting.
 - Utilize research methods to evaluate and measure the effectiveness of intervention and instructional procedures within an educational setting.
 - Conduct and complete behavioral assessments in order to identify the effective instructional program or behavior reduction plan in an educational setting.
 - Design, implement and evaluate an instructional program based on assessment results to increase a desired behavior/skill for an individual student or a group of students in an educational setting.
 - Design, implement, and evaluate a behavior reduction program based on assessment results to decrease inappropriate behaviors for individual students or a group of students in an educational setting.
 - Define and practice the Guidelines for Responsible Conduct for Behavior Analysts (BACB, 2012).
 - Implement, manage, and practice applied behavior analysis in an educational setting.
- In addition, following successful completion of the coursework and practicum requirements, students will be prepared to take the Behavior Analyst Certification Board (BACB) exam.

Requirements (24 credits)

873.601 Introduction to Applied Behavior Analysis

and Special Education

873.602 Research Methods: Evaluation, Measurement and Single Case Design

873.603 Behavioral Assessment and Intervention for Challenging Behaviors

873.604 Behavioral Assessment and Instructional Strategies

873.605 Ethics and Professional Conduct for Behavior Analysts

873.606 Applications of ABA in the Classroom

873.610 ABA Practicum I

873.611 ABA Practicum II

EARLY INTERVENTION/PRESCHOOL SPECIAL EDUCATION SPECIALIST

This 15-credit certificate program is designed for individuals who are already certified in preschool/primary education who wish to acquire knowledge and skills associated with high-quality early intervention and preschool special education for young children with disabilities from birth to five years of age. Some applicants may need to complete a sequence of prerequisite courses to be fully admitted to this certificate program.

Program Goals

The goals of the program are to prepare students who will:

- Be highly knowledgeable and skillful in planning, implementing, and monitoring early intervention/ preschool special education services for young children with disabilities and their families.
- Contribute to meeting the statewide need for teachers of young children with disabilities and be knowledgeable advocates for young children with disabilities.
- Contribute to local and statewide reform and leadership of programs for young children with disabilities.

Students may combine this certificate with a second certificate in special education to pursue the Master of Science in General Special Education Studies. Students interested in the two-certificate pathway to the master's degree must apply for admission into the master's and certificate programs concurrently.

Prerequisite Course (may be taken elsewhere; must have been completed within the past two years)

871.510 Legal Aspects, Service Systems, and Current Issues in Special Education (online course)

Requirements (15 credits)

871.512 Collaborative Programming in Special Education

872.501 Screening, Diagnosis, and Assessment of Young Children with Disabilities

872.502 Instructional Program Planning and Methods: Birth–3 Years

872.504 Materials for Teaching Reading to Young Children with Disabilities: Grades K–3

872.810 Internship: Early Intervention and Preschool Special Education

Students must earn a grade of B or better in the required internship. If a student earns a grade below B in the internship, the student must repeat the internship, and earn a grade of B or A. Students may not register for any other course during the repeated internship.

EDUCATION OF STUDENTS WITH AUTISM AND OTHER PERVASIVE DEVELOPMENTAL DISORDERS

Designed for certified special educators and professionals from the related services disciplines, this 18-credit graduate certificate program addresses the wide range of competencies that are necessary for the provision of effective educational programming for students who are diagnosed with autism and other pervasive developmental disorders.

Students may combine this certificate with a second certificate in special education to pursue the Master of Science in General Special Education Studies. Students interested in the two-certificate pathway to the master's degree must apply for admission into the master's and certificate programs concurrently.

Learning Outcomes

Upon successful completion of the program, we expect students will:

- Describe the developmental aspects, descriptive characteristics, and diagnostic characteristics of autism.
- Examine a variety of instructional and behavioral interventions that may be appropriate in educating persons with autism.
- Describe and discuss theories of causation from the perspectives of various disciplines.
- Demonstrate an understanding of the importance of a collaborative approach when making programming or intervention decisions for the student with autism.
- Explain the Individuals with Disabilities Education Act with specific regard to parent participation, supporting students with autism, and behavioral issues.
- Evaluate the importance of individualization

when making programming or intervention decisions for a student with autism.

- Evaluate the importance of early detection of autism spectrum disorders.
- Critically evaluate the theoretical basis and empirical evidence for traditional and non-traditional interventions in a scientific manner.
- Distinguish the functions of behavior.
- Implement evidence-based practices to address student learning of social skills, communication skills, academic skills, and decrease challenging behaviors that interfere with learning.

Prerequisite Course (may be taken elsewhere; must have been completed within the past two years)

871.510 Legal Aspects, Service Systems, and Current Issues in Special Education (online course)

Requirements (18 credits)

871.513 Applied Behavioral Programming

877.513 Education of Students with Severe Disabilities: Augmentative Communication

877.551 Survey of Autism and Other Pervasive Developmental Disorders

877.553 Classroom Programming for Students with Autism

877.555 Teaching Communication and Social Skills

877.830 Graduate Project in Severe Disabilities

GIFTED EDUCATION

The 18-credit Graduate Certificate in Gifted Education is designed to address the needs of teachers who are seeking an endorsement in gifted education. Candidates will study the foundations of gifted education, characteristics of gifted learners, and hone their knowledge and skills in curriculum, instruction, and assessment to meet the needs of academically talented students in their classrooms. As part of the program, candidates will observe gifted students and design and present lessons that are appropriate for their intellectual and developmental needs.

The program meets all state of Maryland and national standards for teaching gifted education.

The certificate is designed to be completed in three semesters, with students typically taking two courses per semester—though students may elect to take longer. A new cohort will launch every fall (subject to sufficient enrollments), with courses being delivered at the Columbia Center.

Students may combine this certificate with a second certificate in special education to pursue the Master of Science in General Special Education Studies. Students

interested in the two-certificate pathway to the master's degree must apply for admission into the master's and certificate programs concurrently.

Program Goals

The goals of the program are to prepare students who are able to:

- Explain the foundations and theories of gifted education.
- Use knowledge of development and the characteristics of gifted students as learners to design curricula appropriate for them.
- Recognize individual learning differences among diverse gifted learners when planning curricula.
- Create learning environments that foster creativity, cultural understanding, and positive social interactions among diverse learners.
- Use knowledge about the role of language and communication in talent development to help gifted learners succeed in school.
- Use instructional strategies that are appropriate for gifted students.
- Use assessment techniques for placement and monitoring the progress of gifted students.
- Reflect on ethical and professional practices including their own attitudes, behaviors and ways of communicating with diverse learners.
- Collaborate effectively with families, other educators, and related service providers associated with gifted learners.

Requirements (18 Credits)

885.501 The Gifted Learner
885.510 Curriculum, Assessment, and Instruction for Gifted Learners
885.512 The Gifted/Learning Disabled Learner
885.604 Social and Emotional Needs of the Gifted
885.505 Creativity and Critical Thinking
885.820 Practicum in Gifted Education

TEACHING AND LEARNING

Faculty/Program Contacts: Dr. William (Bill) Sowders, sowders@jhu.edu (for the Master of Arts in Teaching); Dr. Mary Ellen Beaty-O'Farrell, mebo@jhu.edu (for the Master of Science in Education: Reading); Debbie Hollick, soe.tfa@jhu.edu (for the online Master of Science in Education: Educational Studies/TFA option); Sarah Meech, spmeech@jhu.edu (for the Master of Science in Education: Educational Studies/ Independent Schools option); Dr. Eric Rice, ericrice@jhu.edu (for all other Teaching and Learning programs)

Prospective students with questions about programs and/or the application process should first contact soe.info@jhu.edu.

This academic emphasis offers program options to meet the needs of those seeking initial teaching certification as well as experienced educators. Using research-based strategies, faculty mentoring and supervised internship experiences, the Master of Arts in Teaching (MAT) degree prepares elementary and secondary educators in the use of best-practices for success in the classroom. The MAT program, available in both full- and part-time formats, provides teaching certification for recent graduates of bachelor or graduate degree programs, as well as professionals changing careers. Specialized master's programs are also offered targeting Teach For America (TFA) corps members and for individuals currently teaching or who desire to teach in independent schools. In addition, experienced educators who desire to enhance their professional knowledge and skills and develop new areas of specialization can take advantage of the Master of Science in Education with concentrations in Educational Studies (Individualized interdisciplinary program of study option) and Reading. Finally, a variety of advanced graduate certificates are also available for educators to stay current in specific content areas and help improve student achievement.

MASTER'S PROGRAMS IN TEACHER AND LEARNING

- Master of Arts in Teaching (MAT)
- Master of Science in Education with a concentration in Educational Studies (Teach For America option)
- Master of Science in Education with a concentration in Educational Studies (Individualized Interdisciplinary Program of Study option)
- Master of Science in Education with a concentration in Educational Studies (Independent Schools option)
- Master of Science in Education with a concentration in Reading

MASTER OF ARTS IN TEACHING

The Johns Hopkins Master of Arts in Teaching (MAT) program prepares candidates for initial certification in Maryland as Elementary and Secondary teachers. [Note: *The School of Education is not currently recruiting candidates for certification in Early Childhood Education, World Languages or English for Speakers of Other Languages (ESOL).* For the latest information on the School's teacher certification offerings, prospective applicants should refer to the School of Education's website.] Offering part- and fulltime options, the program integrates the content and classroom experience required for certification and for effective teaching. The MAT is designed for recent graduates of bachelor or graduate

degree programs in appropriate content areas, as well as mid-career professionals who desire to become teachers.

There are four program options for completing the MAT program, each designed to accommodate candidates' scheduling and professional needs. Regardless of the format, all candidates fulfill the same general requirements for the MAT program. The program options are:

- The full-time Master of Arts in Teaching is a 12-month/3-semester program (starting in the summer semester and ending the following spring semester) that includes a full school-year internship.
- The part-time Master of Arts in Teaching program option is designed for individuals transitioning into teaching. Candidates in the part-time program option must complete all program requirements within five years.
- The Professional Immersion Master of Arts in Teaching (ProMAT) program is a 16-month partnership program with Montgomery County Public Schools.
- The Baltimore Education Fellows Program is a fulltime 12-month program option open only to recent graduates of the Johns Hopkins University Krieger School of Arts and Sciences.

Program Goals

The goals for the MAT program are to develop exemplary professional educators for today's and tomorrow's classrooms who:

- Effectively integrate contemporary, research-based theory and practice.
- Demonstrate an understanding of how planning, instructional delivery, and assessment work together to enhance classroom teaching.
- Have a positive impact on student achievement in elementary and secondary classrooms.
- Serve as model reflective teachers who use data to inform practice in school based settings.
- Demonstrate high ethical standards and become an integral part of the school community.

Learning Outcomes

Graduates of this program are exemplary teachers who:

- Incorporate knowledge of standards and standards based instructional approaches to the design and the implementation of teaching.
- Apply evidence-based strategies and methodologies to teach in a variety of settings, employing a constructivist approach.
- Know how to use the assessment of learner

needs in order to differentiate instruction to impact student learning.

- Know how to design, implement, and evaluate lesson planning and transform the planning into classroom practice.
- Provide interdisciplinary learning experiences where appropriate.
- Incorporate their knowledge of standards and standards-based instructional approaches to the design and the implementation of teaching.
- Effectively integrate technology into instruction.
- Function as reflective practitioners.
- Demonstrate a commitment to diversity in teaching.
- Maintain respectful and collaborative relationships with families and communities that support schools and students' growth and learning.

Program Requirements

Students work with a faculty adviser to complete a program of study that fulfills the requirements for certification as a teacher in Maryland. The MAT requires a minimum of 39 credits, and specific additional content area coursework that may vary due to differences in undergraduate preparation. Students may pursue the degree on a full- or part-time basis; however, the internship requires full-time teaching in a school setting.

The nature and duration of the internship are determined by the full- or part-time program option selected. MAT students must pass the content knowledge portion of Praxis II to be scheduled for their pre-internship class.

The nationally recognized Interstate Teacher Assessment and Support Consortium (InTASC) Standards guide the MAT program. Using these standards, students demonstrate their competence through a portfolio development process monitored by faculty and supervising teachers and their participation in a variety of field placements. The MAT program requires candidates to participate in electronic learning communities.

To be eligible for Maryland State teacher certification, students must complete the MAT program requirements (including successful defense of the portfolio, successful completion of the internship, and earn a GPA of at least 3.0 for all coursework) and pass all Praxis I/Core (or state approved alternative tests) and Praxis II exams required by the state. (*Note: Praxis is a professional assessment test for beginning teachers. Praxis II requirements vary by certification area.*)

Coursework

Elementary Education

Number of Credits Required: 39

- 810.606 Human Development and Learning
- 810.607 Culturally Responsive Teaching
- 810.602 Curriculum, Instruction, and Assessment in School Settings
- 871.502 Educational Alternatives for Students with Special Needs
- 884.501 Advanced Processes and Acquisition of Reading
- 884.502 Diagnosis/Assessment for Reading Instruction
- 810.603 Methods of Teaching in the Elementary School: Part I
- 810.604 Methods of Teaching in the Elementary School: Part II
- 884.505 Materials for Teaching Reading
- 884.507 Instruction for Reading
- 810.679 Classroom Management
- 893.508 Technology and the Science of Learning
- 810.653 MAT Field Experience
- 810.641 MAT Clinical Practice for Elementary Candidates: Part I
- 810.642 MAT Clinical Practice for Elementary Candidates: Part II

Secondary Education

Number of Credits Required: 39

- 810.606 Human Development and Learning
- 810.607 Culturally Responsive Teaching
- 810.602 Curriculum, Instruction, and Assessment in School Settings
- 871.502 Educational Alternatives for Students with Special Needs
- 884.508 Methods of Teaching Reading in the Secondary Content Area: Part I
- 884.510 Methods of Teaching Reading in the Secondary Content Area: Part II
- 810.660 Teacher as Thinker and Writer
- 810.62X Special Topics in Secondary Education
- 810.61X Methods of Teaching in the Secondary School: Parts I & II (subject specific)
- 810.679 Classroom Management
- 893.508 Technology and the Science of Learning
- 810.653 MAT Field Experience
- 810.646 MAT Clinical Practice for Secondary Candidates: Part I
- 810.647 MAT Clinical Practice for Secondary Candidates: Part II

Admission

Applicants to the MAT program must:

- Possess a bachelor's or graduate degree (or equivalent) from an accredited college or

university in the area of intended certification (generally, a major or 36 related credits.)

- Have earned a minimum cumulative grade point average of 3.0 (on a 4.0 scale) in all previous undergraduate and graduate studies (including for incomplete programs of study and for programs still in progress).
- Complete the online application form and submit (along with the application fee) a CV/ résumé, an essay that convinces reviewers that the applicant has a commitment to becoming a teacher who believes in positive educational change, dispositions survey, two (for the part-time program option) or three (for all other program options) letters of recommendation, and official transcripts from all postsecondary institutions attended.
- Achieve passing scores on either the GRE (for applicants to the full-time program) or one of the following tests (for applicants to part-time program options): Praxis I/Core, SAT, ACT or GRE). (Please visit the Maryland State Department of Education (MSDE) website at http://www.marylandpublicschools.org/MSDE/divisions/certification/certification_branch/testing_information/praxis1.html to view current state requirements.)

Note: Applicants seeking to enroll in the full-time MAT program must submit GRE scores as part of the application process. While the GRE is compulsory only for applicants seeking to enroll in the full-time MAT, applicants to the part-time MAT program option are encouraged to submit GRE scores as part of their application package.

If found eligible for admission, applicants will be invited for interview, during which the applicant's prior coursework will be reviewed to determine whether it meets the State's content threshold for certification. Candidates who do not meet the State's requirements will need to fulfill any additional undergraduate content requirements before completing the program.

In addition, all students entering the program are required to complete a criminal disclosure statement and to undergo state and federal criminal background checks, revealing no history of criminal activity, prior to placement in any internship. (Under Maryland law, persons who have committed acts of violence or crimes against children are not eligible for teacher certification.) Students must be admitted to the MAT program to enroll in classes.

CERTIFICATION

Teacher candidates may pursue certification in one of

four areas of concentration:

- Elementary Education (grades 1-6).
- Secondary Education (grades 7-12). Content areas for secondary education certification include English, mathematics, social studies, and the sciences (biology, chemistry, earth/space science, and physics).

All of the programs in teacher education at Johns Hopkins University are fully accredited through the Council for the Accreditation of Educator Preparation (CAEP—formerly NCATE) and lead to teacher certification in the State of Maryland, which reciprocates with most other states.

FULL-TIME MASTER OF ARTS IN TEACHING

The full-time Master of Arts in Teaching program option allows candidates to complete a nationally accredited MAT degree while engaged in a full-time supervised teaching internship. All full-time MAT candidates are responsible for full tuition, registration fees, and books for all 39 credits. Financial aid is available for those who qualify.

The full-time MAT is designed for individuals who are interested in being initially certified to teach in a specific content area and develop skills that can be applied in a variety of school settings. Candidates begin the program by taking classes daily, mornings and afternoons, through most of the summer. Some experiences in a public school system summer program may also be available. The following fall semester, interns begin a full-year, full-time supervised internship while taking classes in the evening, two-to-three nights a week.

The certification areas include Elementary (grades 1–6) and Secondary (grades 7–12) Education in the disciplines of English, mathematics, four sciences (biology, chemistry, earth/space science, and physics), and social studies. This twelve-month cohort teacher preparation program begins every June and ends the following May.

FULL-TIME MAT FRAMEWORK

- Candidates complete the program in 12 months (3 semesters).
- Candidates are placed in a supervised internship in a Professional Development School (PDS) during the program.
- In lieu of a master's thesis, candidates submit and present a digital portfolio of their work.
- Certification eligibility is met through successful completion of all MAT program requirements, including the supervised internship, Praxis II exams, content courses,

electronic portfolio, and 39 course credits.

Note: Applicants seeking to enroll in the full-time MAT program must submit GRE scores as part of the application process.

PART-TIME MASTER OF ARTS IN TEACHING

The part-time MAT is the part-time program option at Johns Hopkins University that has been developed to assist in the recruitment and initial certification of teachers. This program is designed for career changers and for individuals who did not prepare for teaching as undergraduates. Candidates can become eligible for certification in Elementary (grades 1–6) or Secondary (grades 7–12) Education in the disciplines of English, mathematics, four sciences (biology, chemistry, earth/space science, and physics), and social studies. The part-time program is designed for those who need to continue to work full-time or those who have other fulltime obligations. Candidates can begin the program in any semester (spring, summer, and fall). The part-time option allows candidates to progress through the program at their own pace, but candidates must complete all program requirements within five years. Candidates are not obligated to take a specific number of courses per semester, but are recommended to take not more than three per semester. Thus, each candidate may determine a comfortable course load. The candidate's course load and flexibility will determine the time necessary to complete the program. Upon completion of the program, candidates will be eligible for teacher certification in the state of Maryland, which includes reciprocity with a majority of other states. The curriculum integrates the theory and practice of teaching through a full-semester, supervised internship in a school setting. Courses are usually held in the evening. Candidates admitted to the program are responsible for full tuition, registration fees, and books for all 39 credits. Financial aid is available for those who qualify. For more information, contact the Financial Aid Office at 410-516-9808 or at soe.finaid@jhu.edu.

PART-TIME MAT FRAMEWORK

- Candidates have a maximum of five years to complete all degree requirements.
- Candidates are placed in a Professional Development School (PDS) for a 100-day, full semester supervised internship as the final step in the program. (Students in the part-time MAT program option must have passed the content knowledge portion of Praxis II to be scheduled for their internship class.)

- In lieu of a master's thesis, candidates submit and present a digital portfolio of their work.
- Certification eligibility is met through successful completion of all MAT program requirements, including the supervised internship, Praxis I/Core (or state approved alternative) and II Exams, content courses, electronic portfolio, and 39 course credits.

PROFESSIONAL IMMERSION MASTER OF ARTS IN TEACHING (PROMAT) PROGRAM: MONTGOMERY COUNTY PARTNERSHIP

Johns Hopkins University, in partnership with Montgomery County Public Schools (MCPS), offers a 16-month (taken over four semesters) MAT degree starting in January every year for candidates interested in becoming certified teachers in Montgomery County in areas of need identified by MCPS. Please visit the School of Education website for a current list of these areas—<http://education.jhu.edu/Academics/masters/MAT/montgomery.html>.

The partnership program provides some tuition support and immersive professional experiences (internships are all day from August through June) with MCPS schools. In return, some candidates may be offered employment with MCPS (although this is not guaranteed) and will be expected to commit to teaching in MCPS for two years upon successful completion of the program.

Interested students should contact the School of Education at 410-516-9760. Applications for this program must be completed by October 1 each year. All completed applications will be screened, and applicants will be notified only if they are selected for an interview.

BALTIMORE FELLOWS EDUCATION PROGRAM

The Baltimore Fellows Education is a full-time program option that begins each June and runs for 12 months. The coursework is the same as that listed for the full-time MAT option described above. Candidates must be recent graduates of the Johns Hopkins University Krieger School of Arts and Sciences who want to make a difference in the classroom and are interested in urban education reform.

Successful applicants will receive a scholarship that provides for full-tuition support and a \$20,000 living stipend. Candidates will be placed in internships exclusively with Baltimore City Public Schools, providing an immersion experience in an urban setting. For more information on this program, please visit <http://education.jhu.edu/Academics/masters/MAT/fellows/index.html>.

MASTER OF SCIENCE IN EDUCATION: EDUCATIONAL STUDIES (ONLINE

TEACH FOR AMERICA AND TNTP OPTIONS)

The School of Education's partnership programs with Teach For America (TFA) and The New Teacher Project (TNTP) are specially designed to support the development of novice TFA corps members and current TNTP Fellows and alumni as they work to increase student learning in their classrooms through strategic and comprehensive coursework, professional development, and reflection. Participants in these partnership programs develop classroom skills as teacher leaders in order to make significant academic gains with their students, meet the needs of the whole child, and have a long term impact in the field of education.

MASTER OF SCIENCE IN EDUCATION: EDUCATIONAL STUDIES (INDIVIDUALIZED INTERDISCIPLINARY PROGRAM OF STUDY OPTION)

This Master of Science (MS) in Education with a concentration in Educational Studies (MS Ed Studies) program option offers a unique way to earn a master's degree while pursuing one or two areas of specialization—and the JHU School of Education is the only school in Maryland that offers such a degree. The 33–39 credit program is an individualized, interdisciplinary advanced master's degree in an area not covered by other master's degrees offered by the School of Education, allowing students to create a program of study that reflects their area(s) of specialization and personal career goals. This program option is intended for teachers, administrators, and other educational professionals who already possess certification in their field or who do not require certification. *(Please note that although some of the specialization options available to candidates within this master's program option do lead to certification, it is not a program feature of the MS Ed Studies degree itself.)*

The MS Ed Studies program is open both to schoolbased candidates and those who are not school-based but have an interest in pursuing one or more areas of specialization. While some courses can be taken online, this program option is not currently offered as a fully online degree.

Student outcomes depend upon the pathway chosen, but all students who complete the program will:

- Develop an in-depth knowledge of at least one area of education.
- Increase their awareness of the breadth of work in education, either through a second area of specialization or through core educational coursework.
- Complete an independent project in their area(s) of concentration in the capstone course, the Seminar in Teacher Leadership. (Examples

include a research project, an action plan, or a professional development plan.)

There are two pathways for completing the MS Ed Studies program. One pathway allows a student to combine the deep study of one area of education with an exposure to the breadth of educational theory and practice. It requires the following common core courses, which are consistent with the core requirements in the other School of Education Master of Science in Education programs:

881.622 Advanced Instructional Strategies

881.611 Action Research for School Improvement

855.610 Seminar in Teacher Leadership

The remainder of the program includes a 15–18 credit specialization (often a graduate certificate) and 6–9 credits of electives designed in consultation with a faculty adviser. The combination of the core courses and the electives allows students who choose this pathway to be exposed to several areas of education outside their main concentration.

In the second pathway students may elect to combine two graduate certificate programs (15–18 credits each). Students then take the Seminar in Teacher Leadership course, a bridging capstone course that includes an independent project tying together the two certificates, to complete the MS Ed Studies. This pathway allows a student to study in depth two areas of educational theory and practice. Students pursuing this pathway are advised to complete one certificate before starting a second certificate.

Prospective students planning to apply to the individualized, interdisciplinary MS Ed Studies program option should consult with a program adviser about which pathway best meets their needs before they apply.

Prospective students planning on completing one or two graduate certificates as part of their program of study should apply for admission into the certificate(s) at the same time they apply to the master's program. As part of the application process, applicants must write an essay describing how the program will contribute towards their future plans. The essay for admission into the two-certificate pathway must address how the certificates will work together to foster the prospective student's future plans; and admission to the master's program is contingent upon admission to the two certificates. Students interested in the two-certificate pathway must apply for admission into the master's program before starting the second certificate.

MASTER OF SCIENCE IN EDUCATION: EDUCATIONAL STUDIES (INDEPENDENT SCHOOLS OPTION)

The Master of Science (MS) in Education with a concentration in Educational Studies/Independent

Schools option is designed for individuals currently teaching or those who desire to teach preK through 12th grade in independent schools. The program's target audience includes (but is not limited to) teachers, coaches, and administrators. This 33-credit graduate program option leads to a master's degree, but not certification. Teacher candidates will be prepared through the practical application of the theories learned in class and taught by faculty with expertise and practical day-to-day experience in teaching or supervising teacher candidates in independent schools.

Courses are offered at the Baltimore Homewood and Columbia Center campuses. The goal of this program option is to provide candidates with the foundational pedagogy and knowledge base necessary to become successful teachers in independent schools. Applications are accepted throughout the year; and although the program is designed to be completed in two years, exceptions can be made to extend the program length based on individual circumstances.

Since the program is designed for educators with a range of experiences, it draws on the InTASC Standards (which now embrace all levels of teaching experience) and is also informed by the principles and standards of the Association of Independent Maryland & DC Schools (AIMS), the Council on Exceptional Children (CEC), and those of the International Society for Technology Education (ISTE).

Program Goals

The goals of the program are to:

- To provide coursework in pedagogy that meets the unique needs of independent schools.
- To provide each candidate with instructional and classroom/behavioral management skills needed to teach successfully at all levels of independent schools.
- To integrate practical experience in actual classroom with concepts taught in the university classroom.
- To base all coursework on the InTASC, ISTE, CEC, and AIMS standards and principles.
- To use portfolio assessment to demonstrate the candidate's understanding of and adherence to the principles employed throughout the program.

Program Plan

Number of Credits Required: 33

Core Courses (9 Credits)

851.633 Introduction to the Independent School (mandatory in first semester of program)

851.634 Curriculum, Instruction, and Assessment In Independent School Settings

855.610 Seminar in Teacher Leadership

Required Courses (9 Credits)

Candidates choose one of the following 3-credit technology courses:

810.676 The Paperless Classroom

893.508 Technology and the Science of Learning

Candidates choose one of the following 3-credit special education courses:

871.502 Educational Alternatives for Students with Special Needs

885.501 The Gifted Learner

Candidates take the following 3-credit development course:

851.635 Educating the Whole Child: Teaching to the Developmental Needs of the Child

Elective Courses (15 Credits)

Candidates, subject to the approval of their faculty adviser, will take 15 credits of elective courses.

MASTER OF SCIENCE IN EDUCATION: READING

This master's program is designed to develop and enhance the knowledge and skills of classroom teachers and other professionals to prepare future leaders in the field of literacy instruction in all settings, such as classrooms, school districts, and informal learning environments.

Various evidence-based instructional approaches and perspectives of literacy are presented and examined during the program. A foundation in cognitive psychological issues is provided, as well as coursework in sociocultural and critical dimensions of literacy. Candidates learn to organize creative and effective learning environments and to evaluate, design, produce, and implement programs and strategies to teach literacies to young children, adolescents, and adults.

Practical assessment and meaningful instruction are treated as integrated processes to address the needs of all learners, including those who struggle with reading and writing, gifted students, and students with culturally and linguistically diverse experiences.

Throughout the program, and with the assistance of School of Education faculty, candidates develop a professional digital portfolio for presentation as they move toward graduation. This portfolio includes practical research and research reviews, philosophy statements, literacy program designs, multimedia and other literacy materials selections, and reports from practical supervised clinical experiences. In consultation with a faculty adviser, candidates plan a Graduate 39-credit program of study, culminating in clinical practicum experiences and portfolio review. Candidates completing the course of study with initial certification

and three years of successful teaching experience fulfill all requirements for certification as a reading specialist in the state of Maryland. The program is nationally recognized by the International Literacy Association (ILA) and the Council for the Accreditation of Educator Preparation (CAEP--formerly NCATE).

Note: All students must provide evidence of a satisfactory federal and state criminal background check at the beginning of the program and before each course in which work with human subjects is involved.

Program Goals

The goals of this master's program are to prepare credentialed reading specialists and literacy coaches who are:

- Knowledgeable of the theoretical and evidence-based foundations of reading and writing processes and instruction.
- Reflective practitioners of instructional approaches, materials utilizing various technologies, and an integrated, comprehensive, balanced curriculum that supports student learning in reading and writing.
- Committed to diversity with an abiding respect for the differences among learners.
- Evidence-based decision-makers with a thorough understanding of formal and informal assessments.

Learning Outcomes

Upon successful completion of the program, we expect students will:

- Understand the theoretical and evidence-based foundations of reading and writing processes and instruction.
- Use instructional approaches, materials, and an integrated, comprehensive, balanced curriculum to support student learning in reading and writing.
- Use a variety of assessment tools and practices to plan and evaluate effective reading and writing instruction.
- Create and engage their students in literacy practices that develop awareness, understanding, respect, and a valuing of differences in our society.
- Create a literate environment that fosters reading and writing by integrating foundational knowledge, instructional practices, approaches and methods, curriculum materials, and the appropriate use of

Program Plan

Number of Credits Required: 39

- 884.604 Emergent Literacy: Research into Practice
- 884.615 Cross-Cultural Studies in Literacy
- 884.617 Children and Adolescent Literature
- 884.610 Advanced Diagnosis for Reading Instruction
- 881.611 Action Research for School Improvement
- 884.642 Linguistics for Teachers
- 884.811 Supervised Clinical Practicum I for Masters in Reading Candidates
- 881.622 Advanced Instructional Strategies
- 884.701 Reading Comprehension and Critical Literacy
- 884.850 Clinical Practicum in Writing and Other Media
- 884.620 Seminar in Reading: Roles of the Reading Specialist
- 884.820 Supervised Clinical Practicum in Reading II

Choose one of the following elective courses for a total of 3 credits. All candidate choices must be determined in consultation with, and approved by, the faculty adviser.

- 884.612 Teaching Reading and Writing in the Content Areas to ESL Students
- 884.703 Seminar in Adolescent Literacy Education (offered during the spring semester only)
- 882.511 Human Growth and Development: A Lifespan Perspective (only recommended under special circumstances)

GRADUATE CERTIFICATE PROGRAMS IN TEACHING

AND LEARNING

K-8 MATHEMATICS AND STEM LEAD-TEACHER EDUCATION

The 18-credit Graduate Certificate program for K-8 Mathematics Lead-Teachers and the 15-credit Graduate Certificate program for STEM (Science, Technology, Engineering, and Mathematics) Lead-Teachers at Johns Hopkins University offer a unique opportunity for teachers to deepen their understanding of mathematics and STEM content knowledge, pedagogical content knowledge, and to experience leadership opportunities through engaging in the professional development of their peers. The focus of these two graduate certificate programs is to enrich teachers' subject content knowledge in the area of mathematics and the STEM disciplines, and to build upon their leadership potential through inquiry, dialogue, writing, and reflection. Each program brings together faculty from the JHU schools or Arts and Sciences, Engineering, and Education. Participants will be eligible to receive a graduate certificate in either mathematics or STEM

education upon satisfactory completion of the program requirements.

Program Goals

Through course activities in small interactive groups, whole class participation, and individual preparation, participants will demonstrate an understanding of and competencies in:

- Engaging K-8 students in high quality mathematical/STEM learning activities that help them to develop strong mathematical/STEM skills and conceptual understanding.
- Demonstrating high quality standards-based mathematical/STEM teaching practices.
- Providing K-8 professional development in mathematics/STEM that helps other teachers better understand the content.
- Communicating effectively within the school community the view that mathematics/STEM is more than rote sets of rules and procedures.
- Providing engaging explorations of mathematics/STEM using appropriate technology.
- Assuming leadership in mathematics/STEM that is supportive within the school setting.
- Connecting research in mathematics/STEM education to educational practice.

Program Requirements for K-8 Mathematics Lead-Teachers (18 credits)

- 810.680 Number and Operations for K-8 Lead Teachers
- 810.681 Algebra for K-8 Lead Teachers
- 810.682 Geometry for K-8 Lead Teachers
- 810.683 Measurement for K-8 Lead Teachers
- 810.684 Data Analysis and Probability for K-8 Lead Teachers
- 810.685 Integrated Mathematics and Science Applications for K-8 Lead Teachers

Program Requirements for K-8 STEM Lead-Teachers (15 credits)

All students take the following three-credit course:

- 810.685 Integrated Mathematics and Science Applications for K-8 Lead Teachers

Students take two of the following three-credits science courses, determined in consultation with their faculty adviser:

- 810.686 Life Science for K-8 Lead Teachers
- 810.687 Earth/Space Science for K-8 Lead Teachers
- 810.688 Chemistry for K-8 Lead Teachers
- 810.689 Physics for K-8 Lead Teachers
- 810.690 Environmental Science for K-8 Lead

Teachers
Students take two of the following three-credits mathematics courses, determined in consultation with their faculty adviser:

- 810.680 Number and Operations for K-8 Lead Teachers
- 810.681 Algebra for K-8 Lead Teachers
- 810.682 Geometry for K-8 Lead Teachers
- 810.683 Measurement for K-8 Lead Teachers
- 810.684 Data Analysis and Probability for K-8 Lead Teachers

MIND, BRAIN AND TEACHING (ONLINE)

The 15-credit Graduate Certificate in Mind, Brain, and Teaching is designed for PK-16 teachers, administrators, and student support personnel seeking to explore how research from the learning sciences has the potential to inform the field of education. Courses will promote integration of diverse disciplines that investigate human learning and development. The certificate builds upon basic and applied research from the fields of cognitive science, psychology and brain science, neurology, neuroscience, and education. It provides educators with knowledge of cognitive development and how emerging research in the brain sciences can inform educational practices and policies.

This program is offered in a fully online format. The timeframe for completion is one academic year plus one semester. The courses are offered in a sequential order in a cohort structure. Enrolling in individual courses requires the permission of the faculty adviser. The next online cohort is due to launch in fall 2017.

Program Goals

During the program, students will:

- Identify areas in the learning sciences that have relevant application to teaching and learning in formal and informal learning settings. Examples include topics such as emotion and learning, memory, attention, cognitive development, learning differences, literacy, and numeracy.
- Identify basic brain structures and functions.
- Interpret findings from basic and applied research studies.
- Synthesize research findings and consider relevance to educational interventions.
- Apply content from courses to educational practices and policies.

Requirements (15 credits)

- 887.615 Explorations in Mind, Brain, and Teaching
- 887.616 Fundamentals of Cognitive Development
- 887.617 Neurobiology of Learning Differences

887.618 Cognitive Processes of Literacy and Numeracy

887.619 Special Topics in Brain Sciences

URBAN EDUCATION

The 18-credit Graduate Certificate in Urban Education prepares students to work in a variety of capacities serving urban students. It offers three tracks depending on the student's focus: pedagogy, partnerships, or policy. All students take a core three-course sequence focused on 1) understanding the characteristics of urban areas and school systems, and 2) learning a core set of theories around learning, leadership and partnerships. Each track also includes two specialized courses in that area. Finally, students take one research course. [*Note: This course counts towards the core coursework in the Master of Science (MS) in Education with a concentration in Educational Studies (Individualized Interdisciplinary Program of Study option) for students seeking to apply Urban Education certificate towards the MS degree program.*] Courses are offered at the Baltimore Homewood campus only. Students can enter the program in the spring or fall semester.

Learning Outcomes

Through course activities and individual preparation, participants will demonstrate an understanding of and competencies in:

- Understanding the interrelationships of race, class and culture in urban classrooms.
- Communicating effectively within the school and parent community.
- Engaging community resources to enhance learning experiences.
- Building leadership capacity within the school setting.
- Linking school and classroom practices with systemic initiatives.
- Understanding the implications of recent research about urban school reform.

Program Plan

Number of Credits Required: 18

Core Courses (9 Credits)

880.611 The Social Context of Urban Education

880.613 Teaching, Learning, and Leadership for Successful Urban Schools

851.630 School, Family, and Community Collaboration for School Improvement I

Pedagogy Track (6 credits)

880.603 Educating the Whole Child: Teaching to the Developmental Needs of the Urban Child

810.607 Culturally Responsive Teaching

Partnership Track (6 credits)

851.631 School, Family, and Community
Collaboration for School Improvement II
880.617 Urban School Reform

Policy Track (6 credits)

851.512 Politics of Education
880.617 Urban School Reform

Research Course (3 credits)

881.611 Action Research for School Improvement
or
880.624 Evaluation and Research in Education

DOCTORAL PROGRAMS

The Johns Hopkins University School of Education doctoral programs are designed to prepare future scholars and leaders with the knowledge and skills to address 21st century educational challenges. Our Doctor of Philosophy (Ph.D.) and Doctor of Education (Ed.D.) programs offer a unique learning experience that integrates and builds upon the research of SOE faculty, as well as faculty from the broader Johns Hopkins community. Doctoral students have an opportunity to work and collaborate with leading academicians in their fields and have greater impact on education policy and practice locally, nationally, and internationally.

DOCTOR OF PHILOSOPHY (PH.D.) IN EDUCATION

The overarching goal of the School of Education's new Ph.D. in Education program is to develop scholars who will have advanced research skills for improving education practice, with specific emphases on policy analysis and education improvement. The program strives to prepare candidates that are equipped to: (1) meet the myriad challenges associated with systemic education change; (2) apply exceptional content area expertise contextualized within a comprehensive multidisciplinary frame of reference; (3) bridge successfully the theory and research to evidence-based practice gap; (3) be actively involved in public policy development and evaluation; (4) conduct research on complex databases linking educational practices to student outcomes, or lead laboratory- or school-based research programs that inform efforts to improve educational practices and student outcomes; and (5) develop national models of educational practice that guide curriculum development and educator preparation.

Program Goals

Graduates will be prepared to fill faculty and research scientist positions at research-intensive universities or secure positions at research institutes and centers that conduct and manage large-scale education-based evaluations. Upon successful program completion we expect that graduates will:

- Be prepared for employment in research/faculty positions at top-tier research institutions.
- Contribute to the interdisciplinary public discourse on education improvement.
- Engage in and promote evidence-based practices through the application of rigorous methodology.
- Link education research to policy and practice.
- Provide leadership in the field by developing an independent line of ethical and culturally responsive research.
- Contribute to development of the next generation of scholars.
- Be able to influence school policy and reform.

Admission

At minimum, applicants to the Ph.D. program should hold a master's degree from a regionally or nationally accredited college or university. Previous degrees must document outstanding academic achievement in an area of study closely associated with the objectives of the program. Applicants must submit the online admission application form, application fee, and official transcripts from all postsecondary institutions attended. If the earned degree or credit is from an educational institution abroad, the candidate's academic record must be evaluated by a credential evaluation agency before consideration for admission. Applicants are required to earn superior scores on the Graduate Record Examination (GRE) (taken within the past five years), present acceptable TOEFL or IELTS scores (if an international student), and demonstrate potential to become top scholars. Additionally, applicants are required to submit a Curriculum Vitae (résumé), a personal statement (outlining professional plans, goals, and expectations related to the Ph.D. program), dispositions survey, and three letters of reference affirming the applicant's qualifications for advanced graduate study and potential for professional development in the field. Selected applicants who meet the entrance requirements will be invited to interview with the doctoral admissions committee.

Program Structure and Requirements

The program requirements include earning a minimum of 90 graduate credits, of which a minimum of 78 credits must be taken at the doctoral level at Johns Hopkins University. While the program will be tailored to the specific learning needs of each student, it includes the following coursework components:

- Research methods and statistics courses (minimum of 18 credit hours)
- Core seminars (15 credit hours)

- Major and/or minor area electives & readings (minimum of 21 credit hours)
- Research and/or teaching credits (18 credit hours)
- Dissertation research (18 credit hours)

In addition to successfully completing all the coursework requirements, candidates must also satisfy the following program benchmarks: internship performance, written and oral comprehensive examinations, dissertation prospectus development and defense, dissertation proposal development and Graduate Board Oral Examination, Ph.D. candidacy, and the dissertation. Each student will receive an annual written evaluation from the School of Education's Doctoral Studies Committee detailing his/her progress in meeting the required benchmarks at the end of each spring semester.

All School of Education Ph.D. students will devote at least four years to full-time study and research as a resident student. This period of time will provide opportunity for full engagement and participation in the academic community and allow students to develop and demonstrate the scholarly capabilities required of the degree.

The typical program of study is eight semesters, with six semesters devoted to coursework and research/teaching intensive experiences and two semesters devoted primarily to independent dissertation research. Students will typically enroll in 12 hours per semester for the first three years of their program and 9 hours per semester during the fourth year of their program, for a total of 90 credit hours. All students are expected to maintain enrollment as full-time graduate students over the course of the program. With the approval of their major adviser and director of the Ph.D. program, students may transfer up to 12 credit hours of previously completed graduate-level coursework to substitute for selected required courses in the program.

Typically, each year six-to-twelve Ph.D. students will be admitted each year to begin classes in the fall semester. The majority of required courses will be delivered on the Baltimore Homewood campus in a face-to-face format, although students may (with approval) enroll in selected elective courses in divisions throughout the university.

Students must complete comprehensive exams and a dissertation prospectus after completing two years of study. The successful completion of the written documents and oral defense of those documents allows the student to proceed to the dissertation proposal.

Dissertation

The program is designed as an apprenticeship model leading to a traditional research dissertation. The

expectation is that students will be developing the skills and background knowledge throughout the program required to pursue a traditional research dissertation. Although the dissertation is not part of the formal coursework, the program is designed to put a student on track to develop an area of expertise as the foundation for an independent research project directed by the adviser. Students are expected to complete and defend a dissertation proposal by the end of the third year of study and use the final year of the program to complete and defend the dissertation. The dissertation is expected to demonstrate mastery of the relevant literature and scholarship in the collection and interpretation of data. The work should be of appropriate for publication in high impact journals in the student's area of expertise. The dissertation will be presented at a final oral defense before the student's Dissertation Advisory Committee.

Note: Full tuition assistance and annual stipends are available to support selected outstanding candidates. For more information about the Ph.D. program, please visit <http://education.jhu.edu/Academics/doctoral/>. If you have any questions about the Ph.D. program, please contact Janet.Mason@jhu.edu

DOCTOR OF EDUCATION (ED.D.) (ONLINE)

To address the dramatically changing landscape of education in the 21st century, which includes new research on the science of learning, advances in technology, and the emergence of a for-profit education sector, the Johns Hopkins University School of Education offers an innovative online Doctor of Education degree program. This Ed.D. program is designed to prepare an exceptional corps of educational practitioners, both nationally and internationally, who can set a high standard for transformational leadership in education, apply evidence-based practices to improve educational outcomes, and meet the vast challenges associated with improving learning outcomes in both public and private educational environments.

Program Goals

Upon successful completion of the Ed.D., we expect each graduate will:

- Contribute to the public discourse on improvement of education.
- Engage in and promote evidence-based practices through the application of scholarly research.
- Link education research to policy and practice.
- Provide leadership in his or her education context by applying advanced theoretical

perspectives to Problems of Practice.

- Be able to develop mutually beneficial partnerships between public and private interests.
- Be able to lead innovative education policy and practice.

Admission

At minimum, applicants to the Ed.D. program should hold a master's degree from a regionally or nationally accredited college or university. Previous degrees must document high academic achievement (a minimum GPA of 3.0) in an area of study closely associated with the objectives of the program. If the earned degree or credit is from an educational institution abroad, the candidate's academic record must be evaluated by a credential evaluation agency before consideration for admission. Applicants must submit the online admission application form, application fee, official transcripts from all post-secondary institutions attended, a résumé, dispositions survey, and three letters of recommendations signed by the recommender. Letters of recommendation should speak to the applicant's competency to conduct rigorous scholarly work as well as the applicant's impact on his or her professional practice.

Additionally, applicants will submit a personal statement including responses to the following:

- Describe a significant Problem of Practice relevant to your current context of professional practice.
- Why is this problem important?
- Discuss the potential underlying causes.
- Discuss the ways in which this problem aligns with your chosen area of specialization.

Some selected applicants who meet the entrance requirements may be invited to interview with the doctoral admissions committee.

International students must fulfill the general requirements for admission and complete additional requirements. Please refer to the following webpage—<http://www.students.education.jhu.edu/studentaffairs/international/apply.html>—for more detailed information regarding these additional admission requirements.

(Note: This program is not eligible for student visa sponsorship.)

Students who enter the program are expected to possess an understanding of basic statistics as evidenced by documented successful completion of a graduate-level statistics course. Students who lack this statistics course experience will be required to successfully complete

statistics modules prior to enrollment in the program.

Program Structure and Requirements

Program requirements include a minimum of 90 graduate credits. Students must enter the program with a master's degree comprising a minimum of 36 graduate-level credits, which will be transferred into the Ed.D. program. Thus, students must complete a minimum of 54 credits at the doctoral level at JHU. The program includes the following required coursework components:

- Science of Learning (12 credit hours)
- Educational Organizations, Contexts, and Systems (12 credit hours)
- Applied Research and Evaluation (9 credit hours)
- Specialization Area (12 credit hours)
- Applied Dissertation (9 credit hours)

Students will typically enroll in six credit hours each semester (fall, spring, and summer) during the three years of their program, for a total of 54 credit hours beyond the master's degree. In addition to successfully completing all the coursework requirements, candidates must also satisfy written and oral assessments that document attainment of competencies and an Applied Dissertation.

Problems of Practice and Applied Dissertation

Students examine a Problem of Practice (POP), which is an area of concern that can be investigated through a review of current practice within the organization or that they have observed within their professional context. This POP becomes the focus of the student's Applied Dissertation research. The Applied Dissertation is embedded within the Ed.D. program coursework, which provides students with a unique opportunity to examine an issue important to the organization in which they are employed. During the first year in the program, students examine their articulated POP to identify underlying causes and associated factors. During the second year of the program, students develop a potential solution, such as an intervention or policy change, and a plan to study the implementation and predicted outcomes. Students will demonstrate mastery of first- and second-year competencies through written and oral comprehensive assessments, which will serve as indicators of readiness for conducting their applied research. Students will then evaluate the effectiveness of this solution as their Applied Dissertation (Year 3). Characteristics of the Applied Dissertation that make it unique to this program include:

- Written assignments that focus on the student's Problem of Practice.
- Coursework that leads students to consider

solutions that hold the potential for significant change or impact within their organization and/or have implications for policy.

- Dissertation components that are embedded

EDUCATOR PREPARATION AND DOCTORAL COURSE DESCRIPTORS

Please note that the School of Education cannot guarantee that every course listed below will be offered during the 2015-16 academic year. For the most up-to-date listing of the School of Education's course offerings, including details of course pre-requisites and enrollment restrictions, please visit <https://isis.jhu.edu/classes/>.

ED.610.610 Foundation to Innovation: Adult Learning

Participants will study the history, philosophy, and theory of adult learning, as well as the breadth of the field as they construct their personal philosophies of adult learning for their portfolios. Participants analyze the contributions of major contributors to the field from Knowles to Brookfield. Participants explore the evolution of adult learning theory including traditional and emerging views of the practice of adult learning, such as andragogy, self-directed learning, transformative learning, social and cognitive constructivism, and critical reflection. Participants will investigate the importance of the contextual elements of epistemology and cultural issues, such as class, gender, and race. They will analyze key contributions to the field of adult development and to the field of adult learning. Students will develop their own educational philosophy document. (3 credits)

ED.610.620 Assessment-Based Instructional Design for Adult Learners

Through this course, students develop an approach to instructional design based on the establishment of clearly defined learning goals and indicators of their achievement. Participants design learning-focused, evidence-based instructional experiences for adult learners. Participants differentiate between knowledge and understanding; coverage and uncoverage; choose between depth and breadth; and create appropriate and authentic assessment tasks, including classroom assessments to demonstrate learning. Participants also develop valid, reliable, summative, and formative assessments. (3 credits)

ED.610.630 Effective Instructional Strategies and Technologies for Adult Learning

Participants learn how to select and use appropriate techniques and strategies, including technology, to create learning experiences aligned with learning goals

within coursework and distributed across the three years of the program.

and their corresponding assessment. Participants experiment with and examine effective elements of interactive lectures, small groups, and case studies. Participants give special attention to the role of technology in enhancing the teaching-learning process. Specifically, participants analyze the impact of various techniques and technologies in order to choose the most effective means to accomplish learning goals. (3 credits)

ED.610.640 Leadership in Adult Learning

Participants study leadership qualities such as responsiveness, accountability, and scholarship that are critical for effective needs assessment, program design, advocacy, implementation, and evaluation of adult learning experiences. They examine the unique needs of leaders within the diverse adult learning settings of higher education, business, and community. Participants explore teaching as scholarship, study models such as action learning, and explore potential funding sources. Next, they center on the development of needs assessments, measuring results, and advocating for internal and external support and resources to address a community, professional, legislative, or business need. Throughout this process, participants adjust their language and approach to match the varied cultures associated with business, higher education, professions, government, and specialized communities. Participants develop an outcomes based project targeted to address an identified need in one of these settings. (3 credits)

ED.610.650 Internship in Adult Learning

Participants engage in a capstone project to apply and analyze their approach to adult learning. Under the guidance of a faculty sponsor, each participant prepares an extensive learning experience designed to address identified learning goals. Participants implement the learning experience and conduct an analysis of the outcomes with recommendations for future modifications to the experience. Participants share learning with a panel of experts. (3 credits)

ED.810.602 Curriculum, Instruction, and Assessment in School Settings

Students consider the philosophical, historical, and psychological foundations for elementary and secondary school curriculum and explore the linkages between assessment-based curriculum and instructional strategies. After examining the scope and sequence of the K-12

curriculum, students evaluate options presented in various school reform plans and contemporary research findings in effective schools and effective instruction. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (3 credits)

ED.810.603 Methods of Teaching in the Elementary School: Part I

This course is designed for candidates in the elementary education certification program. Students explore strategies for teaching mathematics, language arts, and the aesthetic areas of music, art, and physical education in the elementary school. Activities, materials, and technology address the varying developmental and learning needs of elementary school children and examine ways of integrating aspects of the curriculum. Participants engage in lesson planning and micro-teaching activities for teaching problem solving and higher order thinking skills. This course includes uses of the Internet to obtain curricular resources. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (3 credits)

ED.810.604 Methods of Teaching in the Elementary School: Part II

This course is designed for candidates in the elementary education certification program. Students explore strategies for teaching science, social studies, and health with an integration of language arts, and the aesthetics areas of music, art, and physical education in the elementary school. Activities, materials, and technology address the varying developmental and learning needs of elementary school children and examine ways of integrating aspects of the curriculum. Participants engage in lesson planning and microteaching activities for teaching problem solving and higher order thinking skills. This course includes uses of the Internet to obtain curricular resources. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (3 credits)

ED.810.606 Human Development and Learning

This course integrates key insights into current theory and practice in human growth and development and educational psychology (learning). Participants analyze a variety of learner characteristics that influence student development and academic achievement. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (3 credits)

ED.810.607 Culturally Responsive Teaching

Candidates will explore the social, organizational, and structural factors influencing educational

opportunities, experiences, and outcomes of culturally diverse students. Through personal reflection and analysis, candidates will determine the best way for them to positively impact students, regardless of ethnicity, gender, socioeconomic status, sexual orientation, etc. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (2-3 credits)

ED.810.611 Methods of Teaching in Secondary English

Participants explore a variety of instructional techniques, focusing on best practices drawn from research and expert practitioners, reflective teaching, and inductive approaches to instruction. Specific applications to secondary education in English are provided. Through laboratory sessions, students apply the course content to their English classroom, examine appropriate teaching materials, and engage in micro-teaching sessions. Methods for teaching literacy at the secondary level are integrated into course assignments. This course includes use of the Internet to obtain curriculum resources. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (6 credits; may be taken over two semesters)

ED.810.612 Methods of Teaching in Secondary Math

Participants explore a variety of instructional techniques, focusing on best practices drawn from research and expert practitioners, reflective teaching, and inductive approaches to instruction. Specific applications to secondary education in math are provided. Through laboratory sessions and the use of technology, students apply the course content to their math classroom, examine appropriate teaching materials, and engage in micro-teaching sessions. Methods for teaching literacy at the secondary level are integrated into course assignments. This course includes use of the Internet to obtain curriculum resources. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (6 credits; may be taken over two semesters)

ED.810.613 Methods of Teaching in Secondary Science

Participants explore a variety of instructional techniques, focusing on best practices drawn from research and expert practitioners, reflective teaching, and inductive approaches to instruction. Specific applications to secondary education in science are provided. Through laboratory sessions, students apply the course content to their science classroom, examine appropriate teaching materials, and engage in micro-

teaching sessions. Methods for teaching literacy at the secondary level are integrated into course assignments. This course includes use of the Internet to obtain curriculum resources. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (6 credits; may be taken over two semesters)

ED.810.614 Methods of Teaching in Secondary Social Studies

Participants explore a variety of instructional techniques, focusing on best practices drawn from research and expert practitioners, reflective teaching, and inductive approaches to instruction. Specific applications to secondary education in social studies are provided. Through laboratory sessions, students apply the course content to their social studies classroom, examine appropriate teaching materials, and engage in micro-teaching sessions. Methods for teaching literacy at the secondary level are integrated into course assignments. This course includes use of the Internet to obtain curriculum resources. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (6 credits; may be taken over two semesters)

ED.810.618 Methods of Teaching English to Speakers of Other Languages

This course is designed for candidates in the English for Speakers of Other Languages (ESOL) certification program. Candidates explore strategies, materials, and technology that will assist them in teaching English to Limited English Proficiency students and in supporting the learning of pre K-12 students in the academic content subjects. Participants engage in lesson planning, review materials for appropriateness, and take part in micro-teaching activities and reflection. This course involves the use of the Internet to obtain curricular resources. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (6 credits; may be taken over two semesters)

ED.810.621 Special Topics in Secondary English

The purpose of this course is to improve prospective teachers' content knowledge in English. Students explore specific topics in English through seminar discussions, research, projects, and classroom application assignments. Topics are content-focused and vary each semester with the needs of the students. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (3 credits)

ED.810.622 Special Topics in Mathematics

The purpose of this course is to improve prospective

teachers' content knowledge in mathematics. Students explore specific topics in math through seminar discussions, research, projects, and classroom application assignments. Topics are content-focused and vary each semester with the needs of the students. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (3 credits)

ED.810.623 Special Topics in Science

The purpose of this course is to improve prospective teachers' content knowledge in science. Students explore specific topics in science through seminar discussions, research, projects, and classroom application assignments. Topics are content-focused and vary each semester with the needs of the students. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (3 credits)

ED.810.624 Special Topics in Secondary Social Studies

The purpose of this course is to improve prospective teachers' content knowledge in social studies. Students explore specific topics in social studies through seminar discussions, research, projects, and classroom application assignments. Topics are content-focused and vary each semester with the needs of the students. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (3 credits)

ED.810.628 English Grammar and Second Language Acquisition for ESOL Teachers

This course provides prospective and current ESOL teachers with a background in current issues in second language acquisition and knowledge about the structure of the English language. Specifically, the course is designed to improve the teacher's own understanding of English grammatical structure, with a secondary focus of how English structure can be taught to ESOL students within the context of factors that influence second language acquisition. Course content is aligned with the Common Core Curriculum employed by partnership schools. (3 credits)

ED.810.629 Supporting English Language Learners in Literacy and Content Knowledge Development

English Language Learners (ELLs) face particular challenges in school because they are simultaneously learning a language (English) and attending subject matter classes, such as social studies, mathematics, science etc., that are being taught in English. Often ESL teachers are called upon to help ELLs make sense of their subject matter classes, in addition to helping them acquire English. This course helps teachers acquire strategies to facilitate ELLs' ability to attain the content

knowledge required of them to be successful in school, while at the same time improving their reading, writing, speaking, and listening skills in the English language. Course content is aligned with the Common Core Curriculum employed by partnership schools. (3 credits)

ED.810.639 Personalizing Learning and Instruction in the Classroom

Personalized learning is being used to describe and direct the future of education. This course defines personalized learning and its successful application into schools, differentiating among educational approaches designed to maximize student achievement. Participants will observe, plan, and reflect on units of instruction following the vision of personalized learning. Educators, administrators, and pre-service teachers will gain the skills and habits to implement elements of personalized learning. Committing to flexible learning, understanding students as individual learners, and collecting and applying data, participants will explore existing supports and resources to implement units of instruction and hold active and meaningful roles within classrooms, schools, and research institutions. Some visits to schools or programs may occur outside of class time. (3 credits)

ED.810.640 Supervised Internship and Seminar in the Elementary Schools

Students spend a minimum of a semester in appropriate elementary school settings under the guidance and direct supervision of a certified teacher and/or a university supervisor, depending upon the program format. A support seminar meets to enable students to discuss and reflect upon their experiences. Emphasis is placed on applying concepts, techniques, and theories learned in courses and other structured learning experiences to classroom settings. Supervisors provide guidance in the application of rigorous content in developmentally appropriate ways. Participants reflect, continue to develop their portfolios, and prepare for portfolio presentations. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (6 credits)

Note: Open only to students admitted to the Master of Arts in Teaching program. As this is a 100-day internship, candidates are required to continue at the site beyond the standard one semester timeframe.

ED.810.641 MAT Clinical Practice for Elementary Candidates: Part I

This school-based experience is designed to provide MAT candidates with an opportunity to work with public and private school students in diverse settings.

Hosting sites (PDS and Partnership Schools) serve as clinical laboratories where students begin a minimum 100-day internship where they can observe how pupils learn, discover appropriate teaching strategies, plan lessons, implement teaching methods, as well as develop classroom management skills. This course is aligned with the expectations of the Maryland Common Core and CAEP requirements. This course provides an opportunity to practice clinically while being guided by an experienced master teacher and university faculty. Candidates must complete this experience with a B or better in order to advance to the Clinical Practice II course. (2 credits)

Note: Open only to students admitted to the Montgomery County Partnership or full-time MAT program options.

ED.810.642 MAT Clinical Practice for Elementary Candidates: Part II

This school-based experience is designed to provide MAT candidates with an opportunity to continue working with public and private school students in diverse settings. Hosting sites (PDS and Partnership Schools) serve as clinical laboratories where students complete their minimum 100-day internship observing how pupils learn, practicing appropriate teaching strategies, planning lessons, implementing teaching methods, as well as refining classroom management skills. Students will complete their professional portfolio with evidence acquired in this course. This course is aligned with the expectations of the Maryland Common Core and CAEP requirements. This course provides an opportunity to practice clinically while being guided by an experienced master teacher and university faculty. Candidates must complete this experience with a B or better in order to be recommended for graduation and state certification. (3 credits)

Note: Open only to students admitted to the Montgomery County Partnership or full-time MAT program options.

ED.810.645 Supervised Internship and Seminar in the Secondary Schools

Students spend a minimum of one semester in appropriate secondary school settings under the guidance and direct supervision of a certified teacher and/or a university supervisor, depending upon the program format. A support seminar meets to enable students to discuss and reflect upon their experiences. Emphasis is placed on applying concepts, techniques, and theories learned in courses and other structured learning experiences to secondary classroom settings. Supervisors provide guidance in the application of

rigorous content in developmentally appropriate ways. Participants reflect, continue to develop their portfolios, and prepare for portfolio presentations. Course content is aligned with the Maryland Common Core Curriculum employed by partnership schools. (6 credits)

Note: Open only to students admitted to the Master of Arts in Teaching program. As this is a 100-day internship, candidates are required to continue at the site beyond the standard one semester timeframe.

ED.810.646 MAT Clinical Practice for Secondary Candidates: Part I

This school-based experience is designed to provide MAT candidates with an opportunity to work with public and private school students in diverse settings. Hosting sites (PDS and Partnership Schools) serve as clinical laboratories where students begin a minimum 100-day internship where they can observe how pupils learn, discover appropriate teaching strategies, plan lessons, implement teaching methods, as well as develop classroom management skills. This course is aligned with the expectations of the Maryland Common Core and CAEP requirements. This course provides an opportunity to practice clinically while being guided by an experienced master teacher and university faculty. Candidates must complete this experience with a B or better in order to advance to the Clinical Practice II course. (2 credits)

Note: Open only to students admitted to the Montgomery County Partnership or full-time MAT program options.

ED.810.647 MAT Clinical Practice for Secondary Candidates: Part II

This school-based experience is designed to provide MAT candidates with an opportunity to continue working with public and private school students in diverse settings. Hosting sites (PDS and Partnership Schools) serve as clinical laboratories where students complete their minimum 100-day internship observing how pupils learn, practicing appropriate teaching strategies, planning lessons, implementing teaching methods, as well as refining classroom management skills. Students will complete their professional portfolio with evidence acquired in this course. This course is aligned with the expectations of the Maryland Common Core and CAEP requirements. This course provides an opportunity to practice clinically while being guided by an experienced master teacher and university faculty. Candidates must complete this experience with a B or better in order to be recommended for graduation and state certification. (3 credits)

Note: Open only to students admitted to the Montgomery County Partnership or full-time MAT program options.

ED.810.653 MAT Field Experience

This school or community based experience is designed to provide MAT candidates with an opportunity to observe and work with public and private school students in diverse settings. Hosting sites serve as clinical laboratories where students can observe how pupils learn, discover appropriate teaching strategies, implement teaching methods, as well as begin to develop classroom management skills. This course is aligned with the expectations of the Maryland Common Core and CAEP requirements. This course provides an opportunity to practice clinically while being guided by an experienced master teacher and university faculty. Candidates must complete this experience with a B or better in order to advance to the Clinical Practice I course. (1 credit)

ED.810.655 Teacher Candidate as Action Researcher Through the Use of Technology

Students employ technology to conduct research by planning and engaging in the delivery of a contextually specific instructional intervention, informed by the relevant professional knowledge base (research and best practices), and designed to have a positive impact on the academic success of targeted learners. Students' experiences in this course help prepare them to be analytical, reflective teachers with the skills to use evidence to inform instructional decisions. Students will explore strategies for integrating technology into their instruction. (2-3 credits)

ED.810.660 Teacher as Thinker and Writer

Novice teachers will reflect upon and write about their teaching experiences as a means of improving their teaching practice. They will employ a variety of writing forms to reflect on their different roles and contexts required of them in their classrooms, schools, and communities. Each class session will serve as a writing workshop with collaborative activities designed to generate pieces of writing (expository, narrative, descriptive, imaginative, and dramatic). (3 credits)

ED.810.665 School Reform in the Urban Environment

This course examines systemic school reform movements in the urban school context. School reform occurs at many different levels, from the classroom level with individual teachers, to the national level with federal mandates. We will explore reform at different levels and analyze the theory, policies, practices,

and controversies of various mechanisms of reform, including the K-8 movement, small high schools, school choice (charters and vouchers), mayoral control, merit-pay, and alternative routes to teaching. Participants will synthesize information about school reform in urban schools and systems and will reflect on their role in this process. Final evaluation of reform strategies will be grounded in the effect these reforms are having on improving learning for all students in urban schools. (1-3 credits)

ED.810.676 The Paperless Classroom

Students will learn how to integrate social and participatory media and Web 2.0 content into their teaching for the purpose of creating and maintaining an authentic and interactive 21st century paperless classroom. Students will gain hands-on familiarity with new media including strategies for using Twitter, Social Bookmarking, Blogs, Google Apps, and other social multimedia for classroom instruction and assessment. (3 credits)

ED.810.679 Classroom Management

Students consider the practical ways of managing the classroom by examining organizational techniques, procedures and routines, and teaching strategies that help foster appropriate student behavior. Class members investigate management styles and discipline models to develop their own framework for effective classroom management. (2-3 credits)

ED.810.680 Number and Operations for K-8 Lead Teachers

This course will include the following topics: Number systems, number sets, infinity and zero, place value, meaning and models for operations, divisibility tests, factors, number theory, fractions, decimals, ratios, percents, rational numbers, and proportional reasoning. This course will model the process standards of problem solving, reasoning and proof, representations, connections, and communication, and will take a content-applications approach to each topic. (3 credits)

ED.810.681 Algebra for K-8 Lead Teachers

This course will include the following topics: Algebraic thinking, patterns, functions and algorithms, proportional reasoning, linear functions and slopes, solving equations, non-linear functions, and algebraic structure. This course will model the process standards of problem solving, reasoning and proof, representations, connections, and communication, and will take a content-applications approach to each topic. (3 credits)

ED.810.682 Geometry for K-8 Lead Teachers

This course will include the following topics:

Geometric thinking, triangles and quadrilaterals, polygons, parallel lines and circles, dissections and proof, Pythagorean Theorem, symmetry, similarity, and solids. This course will model the process standards of problem solving, reasoning and proof, representations, connections, and communication, and will take a content-applications approach to each topic. (3 credits)

ED.810.683 Measurement for K-8 Lead Teachers

This course will include the following topics: Measurable properties, measurement fundamentals, metric system, indirect measurement and trigonometry, area, circles and pi, volume, and measurement relationships. This course will model the process standards of problem solving, reasoning and proof, representations, connections, and communication, and will take a content-applications approach to each topic. (3 credits)

ED.810.684 Data Analysis and Probability for K-8 Lead Teachers

This course will include the following topics: Statistics as problem solving, data organization and representation, describing distributions, five-number summary, variation about the mean, designing experiments, bivariate data and analysis, probability, random sampling, and estimation. This course will model the process standards of problem solving, reasoning and proof, representations, connections, and communication, and will take a content-applications approach to each topic. (3 credits)

ED.810.685 Integrated Mathematics and Science Applications for K-8 Lead Teachers

This course will apply mathematical concepts identified in the standards in various science content areas (life science, Earth and space science, chemistry, physics, and environmental science). Basic mathematical concepts and operations such as numbers, rates, lines, angles, time, shapes, dimensions, equations, averages probabilities, ratios, etc. will be used to make connections to science. Additionally, mathematical representations will be used to plot, graph, and analyze scientific data. The course provides opportunities for the teacher-leaders to develop requisite goals, plans, and materials for teacher development workshops in their school to enhance their peers' understanding and skills in relation to teaching math and science with an integrated approach. The methodology will include problem solving, collaborative learning, multiple criteria and tools for assessment, and case study analysis. (3 credits)

ED.810.686 Life Science for K-8 Lead Teachers

The goal of this course is to provide K-8 teachers with the requisite knowledge and skills to enable the participants to effectively support student learning and achievement in life science. Participating teachers' content needs will be identified and addressed through ongoing collaborative and reflective learning processes. The following topics will be covered in the course: Living organisms and their interactions; diversity of life; genetics; evolution; flow of matter and energy; and ecology. Participants will engage in hands-on inquiry and field investigations to learn about scientific ideas and develop a positive attitude, appreciation, and interest in biology. Problem-based inquiries will be organized to develop teachers' curiosity to explore and observe the natural world, and to involve them in formulating questions, designing investigations, conducting observations, employing simple tools and equipment to gather data, constructing plausible explanations to answer questions, and communicating findings to others. Moreover, adequate opportunities will be provided to the participants to learn about the nature of science, the historical development of models in biology, and the underlying connections among the scientific concepts in various content domains. The applications and impact of technology on human life will be an important feature of the course. (3 credits)

ED.810.687 Earth/Space Science for K-8 Lead Teachers

This course aims to provide K-8 teachers a rich and deeper understanding of Earth and space science. Content related topics are: Chemical and physical interactions of the environment, Earth, and the universe; weathering and erosion; processes and events causing changes in Earth's surface; interactions of hydrosphere and atmosphere; Earth history; plate tectonics; and astronomy. Participants will engage in hands-on inquiry to learn about concepts related to Earth science and astronomy. Moreover, adequate opportunities will be provided to the participants to learn about the historical development of models in Earth science and astronomy, and underlying connections among the scientific concepts in these content domains. The applications and impact of technology will also be addressed in the context of the concepts covered in this course. (3 credits)

ED.810.688 Chemistry for K-8 Lead Teachers

The goal of this course is to give K-8 teachers a rich understanding of the nature and content of chemistry. Topics will include: Structure, properties, and interactions of matter; physical and chemical properties of materials; chemical models; chemical reactions; matter and energy transformations; conservation of mass; and the history of development of major ideas in chemistry. Problem-based inquiries will be organized

to develop teachers' curiosity to explore and observe the natural world, and to involve them in formulating questions, designing investigations, conducting observations, gathering and analyzing data, and developing a richer knowledge base in chemistry. The role and application of technology will also be discussed in relation to chemistry concepts. (3 credits)

ED.810.689 Physics for K-8 Lead Teachers

The goal of this course is to give K-8 teachers a rich understanding of foundational physics concepts and their applications. Topics will include: Mechanics, force and motion, gravity, energy transformations, energy sources, electricity, magnetism, light, sound, and wave interactions. Problem-based inquiries will be organized to engage the participants in planning investigations; gathering and analyzing data; offering plausible explanations; and developing a deeper knowledge base in physics. Furthermore, connections between physical concepts, technological tools, and applications of technology will also be discussed in this course. (3 credits)

ED.810.690 Environmental Science for K-8 Lead Teachers

The goal of this course is to provide K-8 teachers with the requisite knowledge and skills to gain a deeper understanding of the nature and content of environmental science. The following topics will be covered: Natural resources and human needs; interactions of environmental factors; environmental issues; impact of human activities on the natural environment; ecosystems; habitat destruction; air, water, and land pollution; and global warming. The national and state content standards highlight the value of integrating technology with science for developing scientific literacy. Participants will be exposed to scientific innovations and their impact on contemporary society. The applications and impact of technology on human life will be an important feature of this course. (3 credits)

ED.813.601 Seminar in Transformational Leadership and Teaching: Part I

In the Seminar in Transformational Leadership and Teaching, educators will determine what transformational teaching looks like in the unique context of their field experience: classroom, school, and community. Each session will focus on specific topics that educators will evaluate for alignment with their vision of transformational teaching. Finally, they will develop a plan of action to apply within their own context. Topics may include the attributes of exemplary teachers, services of community organizations, and characteristics of today's learners. (3 credits)

ED.813.602 Seminar in Transformational Leadership and Teaching: Part II

In the Seminar in Transformational Leadership and Teaching, educators will determine what transformational teaching looks like in the unique context of their field experience: classroom, school, and community. Each session will focus on specific topics that educators will evaluate for alignment with their vision of transformational teaching. Finally, they will develop a plan of action to apply within their own context. Topics may include the attributes of exemplary teachers, services of community organizations, and characteristics of today's learners. (3 credits)

ED.813.603 Seminar in Transformational Leadership and Teaching: Part III

In the Seminar in Transformational Leadership and Teaching, educators will determine what transformational teaching looks like in the unique context of their field experience classroom, school, and community. Each session will focus on specific topics that educators will evaluate for alignment with their vision of transformational teaching. Finally, they will develop a plan of action to apply within their own context. Topics may include the attributes of exemplary teachers, services of community organizations, and characteristics of today's learners. (2 credits)

ED.813.604 Seminar in Transformational Leadership and Teaching: Part IV

Teach For America corps members are required to attend a Seminar in Transformational Leadership and Teaching course all four semesters while in the corps. This course will meet five Saturdays per semester to develop corps members' competencies in the Teaching as Leadership (TAL) framework, the TAL impact model, and our developing understanding of transformational teaching. While much of a corps members' university development is rooted in instructional methods and teacher execution, the Seminar in Transformational Leadership and Teaching course develops teachers' ability to foster the more enduring qualities of access, advocacy, and habits of mind. Additionally, the students in this class will be observed once per quarter via a video-based online protocol. (2 credits)

ED.813.611 Classroom Management: Part I

In this course, educators will gain a deep understanding of basic classroom management approaches including skills to maintain organized and efficient learning environments through classroom procedures and routines. Further, teachers will study motivation theory and apply the research in their own classrooms. This course focuses on how to drive students

to invest in their own academic success and be self-motivated in school and beyond. (3 credits)

ED.813.612 Classroom Management: Part II

In this course, educators learn advanced strategies to help students become self-motivated to drive their own academic growth and future life options. By studying motivation theory, educators develop plans to support the individual learning and behavioral needs of all students, even those who may be disruptive in class. Educators use their own unique classroom experiences to further their professional growth and learning in this course. (3 credits)

ED.813.621 Effective Practices in Teaching and Learning I: General Educators

In this course, educators will acquire the knowledge and skills of research-based effective practices in teaching and learning. Through a combination of coaching and online modules, educators will reflect upon their practice and apply instructional skills to motivate their students to achieve at the highest academic level. Educators will select online modules that best address their development as a transformational teacher. (3 credits)

ED.813.622 Effective Practices in Teaching and Learning II: General Educators

In this course, educators will build upon the knowledge and skills of research-based effective practices acquired in Effective Practices in Teaching and Learning I. Through a combination of coaching and online modules, educators will reflect upon their practice and apply instructional skills to motivate their students to achieve at the highest academic level. With guidance from advisers and coaches, educators select online modules that best address their development as a transformational teacher. (3 credits)

ED.813.631 Effective Practices in Teaching and Learning I: Special Educators

In this course, educators will acquire the knowledge and skills of research-based effective practices in teaching and learning. Through a combination of coaching and online modules, educators will reflect upon their practice and apply instructional skills to motivate their students to achieve at the highest academic level. Educators will select online modules that best address their development as a transformational teacher. Special educators will also receive differentiated instruction to address the specific needs of their classrooms. (3 credits)

ED.813.632 Effective Practices in Teaching and Learning II: Special Educators

In this course, educators will build upon the

knowledge and skills of research-based effective practices acquired in Effective Practices in Teaching and Learning I. Through a combination of coaching and online modules, educators will reflect upon their practice and apply instructional skills to motivate their students to achieve at the highest academic level. With guidance from advisers and coaches, educators select online modules that best address their development as a transformational teacher. (3 credits)

ED.813.641 Effective Practices in Teaching and Learning I: ESOL Educators

In this course, educators will acquire the knowledge and skills of research-based effective practices in teaching and learning. Through a combination of coaching and online modules, educators will reflect upon their practice and apply instructional skills to motivate their students to achieve at the highest academic level. Educators will select online modules that best address their development as a transformational teacher. Further, elements of effective ESOL education will be highlighted. (3 credits)

ED.813.642 Effective Practices in Teaching and Learning II: ESOL Educators

In this course, educators will build upon the knowledge and skills of research-based effective practices acquired in Effective Practices in Teaching and Learning I. Through a combination of coaching and online modules, educators will reflect upon their practice and apply instructional skills to motivate their students to achieve at the highest academic level. With guidance from advisers and coaches, educators select online modules that best address their development as a transformational teacher. (3 credits)

ED.813.661 Assessment for Reading Instruction for Young Children

This course presents foundational concepts of assessment in reading as well as the various types and purposes of emergent and beginning reading assessments. Educators will plan and implement research-based reading assessments and use assessment data to make educational decisions and inform early literacy instruction. Educators will use effective techniques for communicating assessment results to peers, students, and parents. (1 credit)

ED.813.662 Assessment for Reading Instruction

This course presents foundational concepts of assessment in reading as well as the various types and purposes of literacy assessment. Educators will plan and implement research-based reading assessments and use assessment data to make educational decisions and inform literacy instruction. Educators will use effective

techniques for communicating assessment results to peers, students, and parents. (1 credit)

ED.813.663 Teaching Reading in the Content Areas: Part II

This course focuses on research-based approaches to developing content literacy, a critical component for student achievement in the content areas. Students will learn and apply assessment practices, including diagnostic, portfolio, and student self-assessments, which pinpoint students' content literacy strengths and areas for improvement. Educators also will learn and apply instructional strategies to use before, during and after engaging with content area texts and materials. An emphasis will be on assessing the responsiveness to student's learning differences (e.g., language, culture, learning styles, multiple intelligences, learning difficulties/disabilities, and giftedness). (1 credit)

ED.813.666 Instruction in Reading for the Young Child

This course presents research-based approaches to developing a comprehensive literacy program for children at varying stages of literacy development. Early childhood educators will incorporate into their daily lessons effective practices to promote language and literacy development, including concepts of print, phonological and phonemic awareness, word recognition (e.g., phonics and spelling), fluency, vocabulary, comprehension, and writing. This course focuses on accelerating literacy development through early intervention strategies. Also emphasized are strategies for involving families and the community in support of the literacy program. (3 credits)

ED.813.667 Instruction in Reading

This course presents research-based approaches to developing a comprehensive literacy program for students at varying stages of literacy development. Educators will incorporate into their daily lessons effective practices to promote language and literacy development, including phonological and phonemic awareness, word recognition (e.g., phonics and spelling), fluency, vocabulary, comprehension, and writing. This course focuses on accelerating literacy development in students with low reading achievement through early identification and intervention strategies. Also emphasized are strategies for involving families and the community in support of the literacy program. (3 credits)

ED.813.668 Materials for Teaching Reading to the Young Child

This course focuses on evaluation and selection of reading materials for a comprehensive early literacy

program. Early childhood educators will learn and apply effective practices for selecting, evaluating, and organizing texts and materials, including informational and digital texts and resources, for a variety of purposes of reading. Attention will be given to evaluating quality of literature, addressing diverse cultural and linguistic backgrounds, leveling systems, intervention and family support, and children's interests and motivation. (3 credits)

ED.813.669 Materials for Teaching Reading

This course focuses on evaluation and selection of reading materials for a comprehensive literacy program. Educators will learn and apply effective practices for selecting, evaluating, and organizing texts and materials, including informational and digital texts and resources, for a variety of purposes of reading. Attention will be given to evaluating quality of literature, addressing diverse cultural and linguistic backgrounds, leveling systems, intervention and family support, and student interest and motivation. (3 credits)

ED.813.681 Teaching for Transformation I: Secondary Content

In this course, educators in grades 6-12 will take a three-part journey to advancing their knowledge and skills as secondary instructional leaders. They will: 1) learn and apply effective practices for conducting action research in the classroom to inform teaching and learning; 2) engage in a process for providing students access to opportunities otherwise unavailable to them that will inspire students to become lifelong learners and make productive and fulfilling life choices; and 3) build upon their knowledge and skills in content area teaching and learning to become strategic instructional decision makers, increase their self-efficacy in the classroom, and improve student learning and achievement. Emphasis will be on synthesizing learning, reflective practice, and professional growth. (3 credits)

ED.813.682 Teaching for Transformation I: Elementary Content

In this course, educators in grades PreK-5 will take a three-part journey to advancing their knowledge and skills as elementary instructional leaders. They will: 1) learn and apply effective practices for conducting action research in the classroom to inform teaching and learning; 2) engage in a process for providing students access to opportunities otherwise unavailable to them that will inspire students to become lifelong learners and make productive and fulfilling life choices; and 3) build upon their knowledge and skills in content area teaching and learning to become strategic instructional decision makers, increase their self-efficacy in the classroom, and improve student learning and achievement. Emphasis

will be on synthesizing learning, reflective practice, and professional growth. (3 credits)

ED.813.683 Teaching for Transformation II: Secondary Content

In this course, educators in grades 6-12 will take a three-part journey to advancing their knowledge and skills as secondary instructional leaders. They will: 1) learn and apply effective practices for conducting action research in the classroom to inform teaching and learning; 2) engage in a process for providing students access to opportunities otherwise unavailable to them that will inspire students to become lifelong learners and make productive and fulfilling life choices; and 3) build upon their knowledge and skills in content area teaching and learning to become strategic instructional decision makers, increase their self-efficacy in the classroom, and improve student learning and achievement. Emphasis will be on synthesizing learning, reflective practice, and professional growth. (3 credits)

ED.813.684 Teaching for Transformation II: Elementary Content

In this course, educators in grades PreK-5 will take a three-part journey to advancing their knowledge and skills as elementary instructional leaders. They will: 1) learn and apply effective practices for conducting action research in the classroom to inform teaching and learning; 2) engage in a process for providing students access to opportunities otherwise unavailable to them that will inspire students to become lifelong learners and make productive and fulfilling life choices; and 3) build upon their knowledge and skills in content area teaching and learning to become strategic instructional decision makers, increase their self-efficacy in the classroom, and improve student learning and achievement. Emphasis will be on synthesizing learning, reflective practice, and professional growth. (3 credits)

ED.851.512 Politics of Education

Federal involvement in education has grown enormously in recent decades with calls for national standards and increasing reliance on standardized tests. While state legislatures and school boards traditionally provide funding and policy, mayors, parents and advocates of charter schools are seeking to redefine the nature of local control. Education leaders should understand the politics of education; the swiftly changing balance of power; and how education politics is practiced between and within the levels of government and the public. Students will study and analyze current issues and case studies that focus on the politics of education. (3 credits)

ED.851.601 Organization and Administration

of Schools

Students examine the role of the school administrator, with emphasis on instructional improvement, pupil development and services, school and community relations, administration of facilities and finance, professional development and services for staff, and organizational relationships and responsibilities. Participants will explore best practices for fostering student achievement. (3 credits)

ED.851.603 School Law

Participants explore the legal foundations and structure of education and consider contemporary issues based on legislation and court decisions. Students develop techniques of legal research and analyze a topic of interest. (3 credits)

ED.851.609 Administrative and Instructional Uses of Technology

Prospective and practicing school administrators examine the issues, ideas, and programs surrounding the use of technology as a tool for administration and instructional management. Through hands-on experience, participants explore practical uses for software that can be applied to their daily work. (3 credits)

ED.851.616 Issues in K-12 Education Policy

This course provides an introduction to and an overview of several key and rapidly expanding areas of educational policy research, teacher effectiveness, teacher labor markets and teacher policy. The goals of this course are to familiarize students with some of the most current research in these areas, and to encourage and support students to develop skills as critical consumers of empirical work and policy debates in educational policy. (3 credits)

ED.851.630 School, Family, and Community Collaboration for School Improvement I

Participants examine the theory, research, and best practices on school, family, and community partnerships. Individuals explore different types of partnerships, challenges to developing school-based partnership programs, and the components of effective partnership programs that enhance student performance and success. Participants design an action plan for partnerships to address school improvement goals. (3 credits)

ED.851.631 School, Family, and Community Collaboration for School Improvement II

Building on the knowledge and skills developed in 851.630 (School, Family, and Community Collaboration for School Improvement I), students

continue to explore research-based theories and best practices in school, family, and community collaboration. The emphasis of this second course in the sequence is on students revising, implementing, and evaluating a key activity in the action plan for partnerships developed in 851.630. (3 credits)

ED.851.633 Introduction to the Independent School

This course will focus on the unique quality of the independent school. A specific focus will remain on the relationship between the parent and the teacher, reworking curriculum to fit the diverse needs of the student, understanding the importance of pedagogy and history in the independent school, and fostering a love of learning in each child. (3 credits)

ED.851.634 Curriculum, Instruction, and Assessment in Independent School Settings

Students consider the philosophical, historical, and psychological foundations for lower and upper school curriculum and explore the linkages between assessment-based curriculum and instructional strategies. After examining the scope and sequence of the lower and upper school curricula, students evaluate options presented in various school reform plans that pertain to independent schools and contemporary research findings on effective schools and effective instruction. (3 credits)

ED.851.635 Educating the Whole Child: Teaching to the Developmental Needs of the Child

This course will provide students with a whole picture of the child they will be, or are, teaching. In depth examination will be on the cognitive, physical, and emotional development of a child from age 4 through 18 years. (3 credits)

ED.851.642 Leadership in Curriculum, Instruction, and Assessment for Independent Schools

Students examine curriculum theory, design, and content and their relation to instruction and assessment as applied to independent schools. Topics include: curriculum and the independent school mission statement; K-12 curriculum scope and sequence; leadership of curriculum change; curriculum mapping and its implications; methods of assessment; interdisciplinary curriculum development; culturally responsive curriculum, instruction, and assessment; and differentiation of curriculum and instruction. Participants apply course content by developing a plan for curriculum implementation in their own schools. (3 credits)

ED.851.643 Supervision and Professional Development for Personnel in Independent Schools

Students examine models of instructional supervision, including clinical supervision and various approaches to personalizing supervisory strategies appropriate for independent schools. Emphasis is on development of an annual, school-based professional development plan; alignment of instructional goals with the supervision and evaluation of teachers; delegation of supervisory roles; recruitment, retention, and support of faculty and staff in independent schools; designing teacher incentives, recognition, and award programs; and using the principles of high-quality professional development to enhance teachers' knowledge and skills. Students apply concepts to practical situations in laboratory sessions. (3 credits)

ED.851.644 Public Relations, Marketing, and Fund-raising for Independent Schools

Students explore the importance of public relations, marketing principles, and fund raising to independent school success. Topics include: maintaining positive community relations; management of admission policies and procedures; operation of public relations and publicity functions; coordination of relations with other independent schools; facilitating relations with educational, governmental, and social service agencies; and fund-raising strategies. Students analyze and critique various strategies through case studies and discussion. (3 credits)

ED.851.645 Governance of Independent Schools

Students learn to facilitate positive working relationships within the board of trustees and build effective partnerships between the board and the school's faculty and staff. Topics include setting, communicating, and evaluating progress toward annual goals; strategic planning with faculty, staff, and board members; establishing structures for boards to accomplish their work; reporting effectively to boards on important issues and concerns; models for evaluating the head of school; models for evaluating board performance and contributions of individual board members; developing trustees as effective school advocates; and managing crises. Students gain an understanding of the pressures exerted from multiple constituencies, finding ways to base decisions on what is good for students, what is good for the institution, and what is consistent with their own values. (3 credits)

ED.851.646 Business Management and Finance for Independent Schools

Students learn to apply business principles and financial processes that are the foundation for successful

independent school management. Content includes: oversight of independent school budgets; understanding of tuition and other revenue sources; knowledge and effective use of endowments, financial aid, and loans; understanding of major expenses; annual budget planning; grasping the legal and ethical implications of financial management; developing salary scales and policies; using principles of strategic, long-range planning; and facilities planning, maintenance, and management. Applications include case studies for identifying and resolving common problems and challenges. (3 credits)

ED.851.648 Team Leadership

This course is designed for school leaders, including administrators, supervisors, and teachers, who want to improve their knowledge and ability to facilitate change in the classroom, school, or district. The course is based on the premise that educational leaders devote considerable time working in group situations. The course is based on research and theory in education and other fields related to individual, group, intergroup, and organizational development. Opportunities are provided for participants to explore and practice various strategies with special emphasis on how these relate to change in educational settings. (3 credits)

ED.851.705 Effective Leadership

Students review the principles and techniques required of principals, assistant principals, and teacher leaders. The course emphasizes diagnosis of the school climate, principles of distributed leadership, motivation of faculty teams, and the dynamics of working in and with groups to accomplish school improvement goals. Emphasis is placed on the leader's role in creating a collaborative vision/mission for a school and in establishing meaningful working relationships with the larger community. (3 credits)

ED.851.708 Systemic Change Process for School Improvement

Students examine the literature on systemic change in schools, with an emphasis on the roles of the teacher leader. Topics include planning, implementing, and evaluating the change process for school improvement. (3 credits)

ED.851.809 Seminar in Educational Administration and Supervision

Students prepare and present a seminar paper on a problem in educational administration or supervision. The paper includes a comprehensive literature review, an assessment of implications for administrative and supervisory behavior, and an implementation plan for addressing the problem in an educational setting.

Students engage in case study analyses, role playing, and assessment exercises. (3 credits)

ED.851.810 Internship in Administration and Supervision

Students participate in a supervised practicum experience in an educational setting. Individual and group sessions of the interns are held. Students must attend an organizational meeting in the semester prior to the semester in which they wish to intern and obtain approval to register for the internship. (3 credits)

ED.851.811 Internship in Administration and Supervision: I

Students participate in a supervised practicum experience where they demonstrate the application of knowledge, dispositions, competencies, skills and solutions to day-to-day activities performed by practicing administrators or supervisors. Students are required to complete a minimum of 200 observation and performance hours (cumulatively accrued over the three 1-credit internship courses required for the online School Administration and Supervision certificate) aligned with leadership standards. Experiences are reflective of real and simulated field-based activities in a variety of educational settings. Students must also complete a final internship reflection paper, as well as a comprehensive digital portfolio that includes artifacts that are illustrative of their best work. (1 credit)

ED.851.812 Internship in Administration and Supervision: II

Students participate in a supervised practicum experience where they demonstrate the application of knowledge, dispositions, competencies, skills and solutions to day-to-day activities performed by practicing administrators or supervisors. Students are required to complete a minimum of 200 observation and performance hours (cumulatively accrued over the three 1-credit internship courses required for the online School Administration and Supervision certificate) aligned with leadership standards. Experiences are reflective of real and simulated field-based activities in a variety of educational settings. Students must also complete a final internship reflection paper, as well as a comprehensive digital portfolio that includes artifacts that are illustrative of their best work. (1 credit)

ED.851.813 Internship in Administration and Supervision: III

Students participate in a supervised practicum experience where they demonstrate the application of knowledge, dispositions, competencies, skills and solutions to day-to-day activities performed by practicing administrators or supervisors. Students are

required to complete a minimum of 200 observation and performance hours (cumulatively accrued over the three 1-credit internship courses required for the online School Administration and Supervision certificate) aligned with leadership standards. Experiences are reflective of real and simulated field-based activities in a variety of educational settings. Students must also complete a final internship reflection paper, as well as a comprehensive digital portfolio that includes artifacts that are illustrative of their best work. (1 credit)

52.602 Supervision and Professional Development

Students examine models of instructional supervision, including clinical supervision and various approaches to personalizing supervisory strategies. Emphasis is on supervision skills, including the assessment of teacher performance, effective conferring strategies, and working with teachers to construct instructional improvement plans. Students apply concepts developed to practical situations in laboratory sessions. (3 credits)

ED.855.610 Seminar in Teacher Leadership

Students in the final year present and evaluate their projects and plans for implementing change in their work environments. In addition, participants examine selected topics and current issues in educational leadership. (3 credits)

ED.855.621 Instructional Theory in Online Teaching and Learning

This course will provide an empirical and theoretical foundation for effective online teaching and learning. Participants will explore cutting-edge research, theory, and practice of online instruction and engage in collaborative inquiry to address common assumptions about online and blended learning including cultural competence and ethical issues. Participants will draw upon relevant instructional theories, conceptual frameworks, and effective best practices as criteria for selection, implementation, and integration of online learning environments, and apply these theories and frameworks as they begin to construct a literature review to inform the intervention that addresses underlying causes and factors related to their Problem of Practice project. (3 credits)

ED.855.622 Instructional Design Theories and Models

In this course, participants will examine theory and research in instructional design (ID), evaluate the various ID models, and learn to evaluate and apply effective instructional design to enhance interdisciplinary learning experiences in online and blended educational environments. Instructional design theories and

approaches will be discussed and contrasting views and perspectives of instructional design will be presented. A user-centered, iterative approach to design will be examined and applied to online and blended learning environments. Contemporary issues and trends in ID and a systems approach to design will be presented. The basic philosophical premise of the course is that there is not one method for design but rather an approach that considers the content, context, audience, and method of delivery in design. Participants will learn to effectively integrate and apply technology into instruction and will continue constructing a literature review that addresses underlying causes and factors related to their Problem of Practice. (3 credits)

ED.855.623 Instructional Message Design in Online Learning Environments

This course will explore theory and research as it relates to instructional message design and its effectiveness in enhancing student learning outcomes, satisfaction, message readability, and better presentation in traditional and digital media learning environments. Message design is the study of manipulating visual symbols and presentation in order to enhance learning. It presupposes that the effective manipulation of symbols modifies the cognitive, psychomotor, or affective behavior. The concepts of message design are grounded in what Dewey (1900) referred to as “linking science” between learning theory and educational practice (Fleming & Levie, 1993). The course will discuss the application of perception theory, communication theory, and systems theory to design and effectively present digital media. Participants will learn message design principles for promoting learner engagement and motivation. They will explore instructional implications, best practices, and learning activities and objectives that benefit their students in the classroom as well as inform their personal and professional development. Participants will apply these novel perspectives as they complete constructing a literature review to inform the intervention for their Problem of Practice project. (3 credits)

ED.855.624 Trends and Issues in Instructional Design, Message Design, and Online Learning

This course explores trends and issues of current and historical significance to instructional design, message design, and online learning. The course prepares participants to make and defend policy decisions and become conversant with current trends and issues in the field. Readings will include contributions of key scholars, past and present, and topics covered include the history of instructional design, message design, and distance education. Critical issues, current trends and future prospects for the field are addressed as well as,

research, theories, and approaches and their impact on present and future applications of instructional design, message design, and distance education. Participants will apply these novel perspectives as they begin to consider findings from their intervention study. (3 credits)

ED.855.640 Building Strategic School, Educational Organization, and Community Partnerships

This course provides opportunities for students to engage in reflective practice as an educational or organizational leader, while building organizational and community partnerships to leverage multiple resources for addressing a specific organizational systems issue. Students are expected to 1) become familiar with pertinent theoretical literature; 2) understand the internal and external organizational environment and the pressures of those institutional relationships; 3) understand the roles and responsibilities of creating and sustaining dynamic partnerships, including acting as an informal project manager and community advisor; and 4) anticipate the challenges of navigating through politics, policy, fundraising, marketing, social networking, and possible media involvement. This course will include creating multiple strategies for communicating with internal and external stakeholders as appropriate to disseminate findings related to their Applied Dissertation topic. (3 credits)

ED.855.641 Strategic Systems Change and Action Planning

Education leaders, public and private, need to understand the structures for managing the school and/or organizational environment. These structures include organizational visioning and action planning, budgeting and finance, and the leadership skills that incorporate instructional design, curriculum integration with standards, and logistics of technology implementation, professional development, and evaluation. This course is designed to introduce knowledge management concepts into an organizational or educational context and to provide an in-depth focus on data-driven decision making in organizational and educational institutions. Participants will develop an understanding of how to create and support change through a systems approach. Students will apply these novel concepts and perspectives to continued construction of the literature review to inform their Problem of Practice. (3 credits)

ED.855.642 Human Capital Development and Organizational Finance

This course promotes knowledge and application of best practices in the development of primary organizational resources – its human capital and financial resources. Students will engage in 1)

discovering best practices in the educational and/or organizational theoretical literature; 2) exploring human capital development (HCD) concepts, applications, and solutions through analysis of current case studies from the organizational and educational environments; and 3) actively learning to apply current HCD theories, principles, and practices to the student's organization by appropriately applying these perspectives as they relate to the student's Problem of Practice. Students will also learn to identify and manage financial resources including grants, philanthropy, and program and product revenues. Students will identify the strategic challenges within human resources and financial management and the application of appropriate, yet innovative, solutions to these challenges. Students will provide evidence of a deep and comprehensive understanding of how organizations could better invest in a particular aspect of HCD and financial management to achieve greater educational and organizational outcomes related to the Problem of Practice and the leadership required to initiate such an effort. (3 credits)

ED.855.643 Turnaround Leadership in Schools and Educational Organizations

This course will provide participants with a deep knowledge of the educational challenges school and other educational organization leaders face in turnaround situations, as well as what is known about effective instructional, human capital, and change management strategies for turning organizations around. It will combine research from multiple fields with practice examples drawn from existing turnaround schools and organizations. The focus will be on what is needed to design an organization such as a high poverty school for success through effectively implementing high leverage change strategies including distributed leadership, recruitment, training, and evaluation; using data to guide and monitor interventions; and effectively integrating external partners to address critical capacity needs. Attention will also be paid to utilizing these turnaround strategies in educational organizations broadly, depending on the student's Problem of Practice. This course will offer insights and opportunities to further explore the literature to support proposed solutions and/or interventions to ameliorate the identified Problem of Practice. (3 credits)

ED.855.708 Mind, Brain Science and Learning

Building on Multiple Perspectives on Learning and Teaching, this course will survey theoretical and empirical research in the study of cognitive development focusing on recent and ongoing studies of memory, attention, language, and social/emotional development. Participants will examine research literature from multiple fields in the brain sciences, including cognitive

science, experimental psychology, and neuroscience. General topics include an overview of brain structure and function, imaging technology, normal brain development, and how differences in development may affect learning. They will explore recent findings on topics such as the effects of stress, sleep, and multi-tasking on brain development and learning. Students will consider how research findings inform practice and policies in education and related fields. (3 credits)

ED.855.710 Multicultural Education

The rapid and explosive demographic shifts in this country among culturally and linguistically diverse students, the fact that these students are projected to comprise the majority of school age students by the year 2020, and the current educational trajectory of students from marginalized groups provide a compelling rationale for identifying strategies and interventions for facilitating transformative multicultural approaches to education. Using Pedersen's tripartite model of multiculturalism, students will address the requisite awareness, knowledge, and skills for enhancing their multicultural competencies. Students will create a conceptual framework to organize research approaches related to this model and to inform the development of their applied project of practice. (3 credits)

ED.855.712 Multiple Perspectives on Learning and Teaching

This course will survey classical theoretical perspectives on learning and teaching, including behaviorism, cognitive, constructivist, sociocultural, social cognitive, and situative perspectives. Students will examine the research literature to identify the strengths and limitations of these perspectives in relation to understanding issues within their organizations. They will create a conceptual framework to organize these research approaches and to inform the development of their Problem of Practice. (3 credits)

ED.855.714 Power, Politics, and Policy in Education

Government entities have increasingly molded public education. In the United States, federal laws and mandates have enormous influence on local schools; state governments have endorsed and implemented national Common Core curriculum standards; and funding is based on top-down distribution while mayors, school boards, parents, students, and other local stakeholders bid for local control of their schools. In this vein, other political groups press for reductions or the elimination of federal involvement in schooling. These transactions involve power relations and concepts of democracy and freedom. Through this course, students will examine various theories, concepts, principles, and

dynamics of power, politics, and policy and how these ideas apply to education, organizations, and leadership. (3 credits)

ED.855.716 Contemporary Approaches to Educational Problems

Building on the concepts introduced in Disciplinary Approaches to Education, students will apply these approaches to case studies of current educational reforms, examining the ways in which these methods lead to different insights about education. For example, case studies might include the use of standardized tests to evaluate teachers or of merit pay to improve student outcomes. This course will also introduce issues from emerging non-traditional educational sectors and providers including for-profit educational organizations and social entrepreneurial organizations. Students will use the course to further develop a review of the literature on a topic of their choice relevant to their problem of practice significant to their workplaces and develop innovative solutions to these issues. (3 credits)

ED.855.718 Disciplinary Approaches to Education

Educators use theories, concepts and approaches from sociology, economics, history, anthropology, and other disciplines to make sense of problems in their field. This course introduces the concepts central to these approaches. Students will learn about these theoretical perspectives through reading central texts related to these disciplines of educational theory and will develop a theoretical frame for their Problem of Practice project based on the perspectives examined in the class. (3 credits)

ED.855.720 Leadership in Educational Organizations

Through this course, students will examine contemporary educational practices and their relationship to leadership theories, models, and strategies. This course will focus on new and historical perspectives related to leadership development, group dynamics, and effective individual and organizational behaviors, visioning, and transformation. This course navigates the complexities of human behavior and organizational outcomes from psychological and behavioral perspectives and includes empirical findings drawn from neuroscience focused on resilience and the emerging field of neuro-leadership. Course participants will continue to frame and examine a contemporary problem of practice significant to their workplaces and develop innovative solutions to these issues. (3 credits)

ED.855.725 Research Landscape

This course is designed to teach students the

skills necessary to understand different paradigms and methods of research. Students will have the opportunity to evaluate quantitative and qualitative research. Further, students develop an understanding of the principles, processes, and purposes of different types of educational research. Types of research methodology that will be discussed include: experimental research, quasi-experimental research, correlational research, single-subject research, and qualitative research. Students will develop an understanding of the quality indicators and high standards necessary to conduct educational research within their areas of interest. Further, students will have the opportunity to develop the skills to critique quantitative and qualitative research studies published in peer review journals. (3 credits)

ED.855.730 Doctoral Directed Readings

Students work under the direction of a faculty member to explore literature related to a specialized topic in education while developing a product, such as a paper, article, or course syllabus. (3 credits)

ED.855.741 Special Education Research

In this seminar, doctoral candidates become acquainted with the tools and methods necessary for engaging in and understanding of special education scholarly activity. Students will begin to: (1) define their future roles and responsibilities as doctoral level professionals with an understanding of the field of special education, (2) develop solutions to their Problem of Practice (POP) and (3) write using current research based special education citations to support their solution. Students will continue to develop solutions to their POP, hypotheses, literature searches, and technical writing. Research studies on topics of current interest in special education across various school districts that affect students who receive special education services and/or curriculum development aimed at improving delivery of content to students with IEPs will be reviewed and discussed. (3 credits)

ED.855.743 Students with Disabilities and High Needs Schools

This seminar focuses on what constitutes a high needs school and what we know about effective practices for improving the academic performance of students, especially students with special education needs. Seminar participants will have the opportunity to critique the literature regarding school reform efforts, with a particular emphasis on initiatives to reduce the achievement gap between students with and without disabilities and the cultural/linguistic diversity in special education. Students will continue to work on developing a solution for their Problem of Practice and will pilot this solution on a limited basis. (3 credits)

ED.855.751 Diffusion of Technology Innovations

This course explores theories, research, and strategies related to the diffusion and adoption of scalable and sustainable instructional technology innovations in education. It targets the diffusion of technologies and the transition from experimentation and research to adoption and implementation. Participants review contemporary theoretical developments in the science of implementation through evidence-based educational examples and are introduced to current technologies and anticipated future trends and ubiquitous practices in the field. Participants apply these processes and strategies to their literature review to inform the implementation of their solution or intervention related to their Problem of Practice project. (3 credits)

ED.855.752 Trends, Principles, and Practices of 21st Century Learning

This course provides team-based learning experiences to explore pedagogical shifts in education, examine advances in digital tools, and consider how these shifts and tools impact leadership, organization, instructional delivery, and student learning in today's schools. Participants learn essential principles and practices for building 21st century, content-rich learning environments for virtually all students, including those with disabilities and other special needs. One of JHU's premier educational approaches, Boundless Learning, that incorporates core 21st century practices, such as productive teamwork, creativity, digital tools, differentiated instruction, inquiry, and progress monitoring, is highlighted. Participants are afforded opportunities to connect new understandings of 21st century teaching and learning to their solution or intervention related to their Problem of Practice project. (3 credits)

ED.855.753 Digital Age Technology and Instruction

This course provides opportunities for participants to explore a variety of technology trends and pedagogical shifts in a range of topics related to personalized learning environments, mobile learning, assistive technology, cloud computing, and the sharing of digital resources. Participants conduct needs assessments to determine which practices improve the implementation of technology at the organizational level and gauge the capacity of their school organization in implementing digital age technology successfully. Participants draw upon relevant instructional theories, conceptual frameworks, and effective best practices as criteria for selection, implementation, and integration of technology, and apply these theories and frameworks as they begin to construct a literature review to inform their solution or intervention related to their Problem of Practice project. (3 credits)

ED.855.755 Controversies in Measurement for Education Science Research

While delivering core concepts from measurement theory, this course will introduce students to the full range of measurement controversies relevant to current education science research, with a special emphasis on K-12 schooling in urban settings. Measurement controversies will include alternative perspectives on test construction and scaling, measures of high school dropout, indices of behavior problems, course sequences and curriculum tracks, measures of segregation and network structure, and alternative positions on how to measure resource inputs into schools. The course will consider how the conclusions of education science research have been shaped by constraints on measurement, as well as the prospects for pushing out the frontiers of knowledge by breaking through these constraints. (3 credits)

ED.855.756 Higher Education Teaching Skills for Doctoral Students

This course will provide a mechanism for students in the PhD program to obtain credits as a teaching assistant. (3 credits)

ED.855.760 Advanced Counseling Theories

This course provides an intensive examination of major counseling theories, including the psychodynamic, humanistic, and cognitive-behavioral approaches, which students evaluate from both a historical and contemporary context. Attention will be given to theory construction and development, the counselor-client relationship, the utility of specific counseling theories with diverse client populations, relevance of certain theories given clients' presenting concerns, as well as process and outcome research which is evaluated as the basis for continued use of a theoretical system. Students will apply these theories and frameworks as they begin to construct a literature review to inform their Problem of Practice project. (3 credits)

ED.855.761 Social Justice

This course examines the complex interplay between race, ethnicity, and culture and the sociocultural and sociopolitical experience of the client both within and outside the counseling experience. Emphasis will be placed on mental health disparities, racial identity functioning power, oppression, privilege, linguistic diversity, income inequality, immigration, religion and spirituality among culturally and linguistically diverse client groups. Attention will also be devoted to a range of counseling interventions that promote client empowerment, alleviate psychological distress, stimulate wellness, enhance coping and facilitate resilience. Students will apply these evaluation and research interventions to further the exploration of their Problem of Practice. (3 credits)

ED.855.764 Foundations of Education Science Research

Education science research has matured steadily over the past 75 years, and this course will deepen the appreciation for the contours of its development. The course will focus on the reciprocal development of models of individual achievement and attainment and models of the growth and functioning of educational institutions. The course will consider the major empirical results that have been established along the way, as they have interacted with contemporaneous policy concerns across the decades. The course will conclude with a critical examination of the frontiers of both education science research and policy debates in the United States. (3 credits)

ED.855.830 Interdisciplinary Seminar I: Seminar in School Improvement

Students explore current research and scholarly perspectives on school improvement, school reform, urban education, and the science of learning. Students will be exposed to faculty conducting research in these areas. Participants will develop and articulate their own broad research interests and will have an opportunity to explore the alignment of those interests with different faculty members. Participants will develop perspective papers and make brief presentations to their peers. Peers will be asked to provide feedback. (3 credits)

ED.855.835 Interdisciplinary Seminar II: Socio-Cultural Perspectives

This seminar will provide candidates the opportunity to examine race, ethnicity, and culture within the context of pre-K-12 and higher educational settings. Students will become familiar with the major racial, ethnic, and cultural groups in the United States. Through self-disclosure, experiential exercises, student presentations, readings, and lectures, students will gain a better knowledge of themselves, culturally distinct groups, multiculturalism, and implications for education. (3 credits)

ED.855.840 Doctoral Research

Doctoral students apply theories and concepts related to their areas of study. (3 credits)

ED.855.841 Doctoral Internship II

Doctoral candidates read, review, discuss, and write about topics of interest in current educational contexts. (3 credits)

ED.860.502 Self-Care and Wellness for Counselors

Compassion fatigue (Figley, 1993), also called secondary traumatic stress disorder, refers to the emotional effects on the counselor of exposure to working with those who have experienced traumatic events. Many counselors fail to recognize the signs and symptoms of compassion fatigue, and they do not take preventive measures to avoid the physical and psychological problems that can result. This course will introduce students to key concepts related to

secondary traumatic stress, compassion fatigue, stress, and burnout, and will help them explore self-care as a way to prevent problems. Students will have the opportunity to assess their current level of resilience and to experience a several self-care activities that promote physical, emotional, and spiritual wellness. Students will be introduced to the transtheoretical change model developed by Prochaska et al. (Prochaska, Norcross & DiClemente, 1995) that they will apply in developing a personal self-care plan. Although the primary focus of this course is on the individual counselor, some attention will also be given to organizational issues that can contribute to mental health workers' role fatigue, as well as ways to address these larger systems issues. (1 credit)

ED.860.548 Counseling Clients with Eating Disorders

This course provides students with an overview of current issues facing adults and children who struggle with eating disorders and eating disorder related symptomatology, with a particular emphasis on defining and assessing eating disorders from a multicultural perspective. Students will learn about the multiple risk factors that contribute to eating disorders, as well as the psychological, physical, educational, societal, and counseling implications for eating disorders. (1 credit)

ED.860.556 Adlerian Approaches to Counseling

Adlerian principles and practice in counseling and therapy are examined, with an emphasis on practical application. Important Adlerian ideas are covered, such as family constellation and birth order, lifestyle, goals, striving for significance, community feeling, social interest, teleological behavior, early memories, and the concept of the self. Many Adlerian techniques are covered, including paradox, acting as-if, use of metaphor, humor, push-button, catching oneself, and spitting in the client's soup. The use of Adlerian counseling in the context of school, group, and families is also studied. (1 credit)

ED.860.561 Adolescent Suicide: Counseling Assessment and Prevention

Participants review potential indicators leading to adolescent suicide. Students consider psychosocial factors of adolescent suicide, the influence of the school environment and support systems, the parenting process, and data on the incidence of suicide with emphasis on counseling intervention, assessment, and prevention strategies. (1 credit)

ED.860.579 The WDEP Formulation: Learning and Practicing Reality Therapy

This interactive course focuses on practical skills immediately useful on the job; skills that can be integrated into other theories. It includes discussion, role-playing demonstrations of cases presented by participants, and small group practice. Participants will gain a working knowledge of choice theory, the

basis of reality therapy, followed by an explanation and demonstration of the WDEP system (wants, doing, evaluation, planning). Integrated into the session will be a review of research on reality therapy and a discussion of misconceptions about the practice and implementation of the principles of reality therapy. (3 credits)

ED.860.594 Stress Management: Counseling Implications

Counseling students examine theories of stress within the framework of situational and developmental stages. Students explore individualized responses and coping mechanisms related to daily stressors, as well as physiological and emotional responses to stress. Implications for social and family systems are discussed. (1 credit)

ED.860.597 Career Coaching: Innovative Career Counseling Practices

This course provides grounding in the theory and practice of coaching models for intervention as applied to career counseling practice. Increasingly, career counselors and other counseling and human services professionals are adapting coaching strategies for working with clients confronting significant developmental challenges. The technology of coaching is explored, and its implications for innovative career counseling practices considered. The course includes both didactic and experiential learning. (1 credit)

ED.860.614 Counseling Individuals with Anxiety Disorders

Students in this course review the nature of anxiety and how it affects human functioning, performance, and interaction. Topics such as phobias, panic attacks, stress management, and general anxiety are discussed. The emphasis of the course is on effective treatment using a wide range of approaches. (1 credit)

ED.860.615 Domestic Violence: Its Implications on Spouses and Children and Remediation Strategies for Mental Health Professionals

Despite the fact that more and more members of society have developed heightened awareness of the incidence and impact of domestic violence in the United States, many men, women, and children are still affected by violence in their families. The emotional, social, and physical impacts are far-reaching and usually have serious long-term effects. This seminar addresses the dynamics that occur in violent families, with particular emphasis on counseling strategies that can be used by mental health professionals when working with spouses, children, and other family members. (1 credit)

ED.860.616 Achieving Change with Difficult Clients

The mechanisms and processes of therapeutic change are detailed according to the latest research literature, and applied in the context of working with

defiant, unmotivated, or otherwise resistant clients. Much of the course is devoted to providing specific techniques and strategies that are directly relevant to positive outcomes. (1 credit)

ED.860.624 Introduction to Psychodynamic Counseling

Participants are introduced to the major concepts inherent to psychodynamic models for counseling and therapy. Emphasis is placed on the contributions of Freud and other theoreticians of his period, object relations models, and contemporary counseling/therapy approaches based on psychodynamic concepts and methods. (1 credit)

ED.860.639 Cognitive Behavioral Therapy with Depressed Clients

Advanced counseling students and professionals review the theory and practice of Cognitive and Cognitive Behavioral Therapy in treating depression. Various forms of affective illness are discussed in the context of counseling and therapy. Recent advances in theory and strategies are presented with particular emphasis on narrative and constructivist approaches. (1 credit)

ED.860.640 Introduction to Positive Psychology

This course provides an introduction to the study of topics related to happiness and the positive aspects of human experience. Emphasis will be placed on the significance of optimism, well-being, resilience, strong social connections, and the value of contributing to something bigger than oneself. Positive psychology interventions will be addressed. (1 credit)

ED.860.650 Asian Meditation Therapy

Much of what Western counseling and therapy considers to be contemporary and original has been practiced by Asian cultures for over two thousand years. Much more can be adapted from these cultures. This course surveys Asian techniques of human development and human potential focusing on the methods of Hinduism, Buddhism, Taoism, and Yoga psychology and philosophy. The emphasis of the course is on meditation and the personal development of counselors and their clients. (1 credit)

ED.860.651 The Many Facets of Grief

This seminar provides participants with information that is pertinent to counseling clients who are adjusting to transitions and losses. Topics such as the stages of grief and loss, the four tasks of mourning, the difference between normal and dysfunctional responses to transitions and loss, blocks to successful grieving, helpful responses to bereaved clients, signs of recovery, and guidelines for facilitating loss support groups are discussed, illustrated, or demonstrated. Students should expect to participate in a number of small group experiences as concepts are presented and illustrated. (1 credit)

ED.860.655 Developing a Successful Private Practice

This course assists participants in developing a successful private practice and is suitable for those who have not yet launched a private practice, as well as for those who have already begun a practice. Students learn the pros and cons of a private practice. Topics include defining the practice, business planning, setting up an office, developing consent to treatment and other forms, recruiting clients, billing, dealing effectively with managed care, writing treatment plans and authorization requests, assessing treatment effectiveness, and many other topics. (1 credit)

ED.860.657 Children and Resiliency: Helping Children Cope With Trauma and Violence

Students develop an understanding of the effect of trauma and violence on children and learn practical concepts and tools to use with young children to adolescents. The course focuses on children and traumatic grief, techniques for traumatic grief work with special considerations for terrorism, war, school violence, and bullying and victimization issues. The course also provides information on children and resiliency, and ways counselors can encourage caring adults to support attributes of resiliency in children and adolescents. (1 credit)

ED.860.660 Psychopharmacology for Counselors

Participants are introduced to the major categories of psychopharmacologic medications and gain an understanding of and appreciation for the use of these medications in the treatment of mental and emotional disorders. The counselor also learns about the need for effective collaborative relationships with psychiatrists and other physicians. (1 credit)

ED.860.662 Counseling Refugees and Immigrants

This course provides an overview of issues, skills, and practice related to counseling refugee and immigrant populations. Students will develop an understanding of pre-migration trauma and issues that impact refugee and immigrant mental health, as well as explore post-migration issues related to mental health, acculturation, and psychosocial adjustment. The Multi-Level Model of Psychotherapy and Social Justice (MLM) will be presented with opportunities for practice and skill development. (1 credit)

ED.860.692 Counseling Gay and Lesbian Youth

This course is designed to help professionals become aware of the societal issues and developmental needs of gay, lesbian, bisexual, and questioning youth. School-based interventions are presented, including interventions related to staff development and individual and group counseling. (1 credit)

ED.860.708 Systemic Assessment of Child Abuse

Child abuse and neglect is a serious issue that threatens the lives and well-being of millions of children in the US each year. Counselors working with families must become skilled at recognizing and identifying children who are at risk for abuse and neglect. This course addresses issues of assessment, intervention, law, and ethics in the field of child abuse. (1 credit)

ED.860.710 Sexuality and Intimacy in Couple and Family Counseling

This course is designed to promote greater understanding of sexual functioning and intimacy through a study of historical, multicultural, and relational perspectives on human sexuality. Specific sexual issues will be examined as these relate to clinical and relational issues in couples and families. (1 credit)

ED.861.502 Counseling Theory and Practice

(Lab course) This course provides an overview of the major theories of counseling and therapy, such as cognitive, behavioral, existential, Gestalt, and Adlerian. Students explore integrative approaches as well as multicultural and feminist perspectives. Participants focus on a wide range of specific techniques and practices that are associated with each theory and how they are applied in various situations. (3 credits)

Note: Students are required to attend the two-day laboratory sessions. Laboratory courses and internship classes involve an exploration of personal factors as they contribute to counseling skills and techniques.

ED.861.503 Group Counseling and Group Experience

(Lab course) Students investigate practical and theoretical concepts of group dynamics and group counseling to acquire skills in facilitating various kinds of group interaction. Students explore interpersonal dynamics, personal communication styles, fundamental group counseling strategies, and group facilitation through class and laboratory experiences. (3 credits)

Note: Students are required to attend the two-day laboratory sessions. Laboratory courses and internship classes involve an exploration of personal factors as they contribute to counseling skills and techniques.

ED.861.507 Counseling Techniques

(Lab course) This course provides an overview of the history and philosophy of professional counseling, with special attention to the roles, functions, and limitations of school, community, and organizational counselors. Included is an understanding of the essentials of basic counseling skills; attending, listening, and interviewing stages of clinical treatment; and

client/counselor relationships. Students learn about professional counseling organizations, professional credentialing, and standards and ethics in counseling and related human services. The course emphasizes self-growth, awareness, and observational skills as related to becoming a facilitator of individual, group, family, and systems change. (3 credits)

ED.861.511 Career/Life Development and Planning

Participants review major theories of career development and decision making, occupational sociology, and vocational psychology. The course places career counseling concepts in a life-span perspective and reviews career development materials and cross-cultural strategies. (3 credits)

ED.861.609 Diagnosis in Counseling

Students study the Diagnostic and Statistical Manual of Mental Disorders (DSM V) to learn to assess, diagnose, and treat psychopathology based on current DSM criteria. Theories related to the etiology of major categories of mental disorder such as anxiety, depression, substance abuse, and personality disorders are examined. Students gain an understanding of the impact of abnormal behavior on individuals, families, and society. Instructors provide a developmental framework for understanding diagnosis from multicultural, feminist, and systems perspectives. (3 credits)

ED.861.612 Appraisal and Testing for Counselors

Students explore individual and group approaches to assessment and evaluation through the use of standardized test instruments and rating scales. Emphasis is given to principles of test construction, reliability and validity, psychometric properties, and strategies for the selection, administration and interpretation of behavioral, psychological, and educational tests. Implications of age, gender, ethnicity, culture, heritage, language, disability, and professional/ethical issues are examined. (3 credits)

ED.861.614 The Foundations of School Counseling

This course is a survey of the knowledge base and practices in contemporary school counseling. It will emphasize the educational, historical, sociological, economic, philosophical, and psychological dynamics of the professional school counselor's role. Students integrate knowledge and learn skills to examine data driven comprehensive school counseling programs that enhance academic, career, and personal/social development for all students. (3 credits)

ED.861.668 Role-Play and Related Experiential Methods in Counseling

This didactic and experiential course will introduce students to the theory and methods developed by Jacob .L. Moreno, M.D., who originated group

psychotherapy, psychodrama, and sociometry (the measurement of social relations). Students will have the opportunity to see a full psychodrama (via videotape) and to participate in limited psychodramatic structures to gain first-hand experience with the method. Students will also practice limited psychodramatic and sociometric techniques during supervised in-class practice sessions. Special attention will be given to the safe and ethical use of action methods with specific populations, including trauma survivors and other vulnerable populations. Culturally competent practice will also be discussed. Applications of psychodrama and related action methods to individuals, couples, families, and groups will be discussed. (1 credit)

ED.861.713 Advanced Treatment Approaches

This course explores a wide range of effective techniques and strategies in counseling and therapy, in the context of successfully treating various mental and emotional disorders. Approaches and procedures from such diverse models as psychodynamic, cognitive, behavioral, experiential, and systemic are explored, along with theories of change and research findings on effective counseling and therapy. (3 credits)

ED.863.501 Introduction to Clinical Mental Health Counseling

This course provides an overview of the role and scope of the clinical mental health counseling profession. Students address a number of topics including the historical, theoretical, philosophical, and empirical foundations of clinical mental health counseling. The course addresses role functions and employment settings of mental health counselors; program development, emergency management, prevention, intervention, consultation, assessment approaches, and education; and the contextual dimensions of diverse clients seeking mental health counseling services. This course is a requirement of our accrediting body, the Council for the Accreditation of Counseling and Related Educational Programs (CACREP). This is a foundational course that prepares students to work in a broad range of mental health counseling programs by acquainting them with the foundations of clinical mental health counseling. (3 credits)

ED.863.503 Introduction to Neuroscience for Mental Health Clinicians

This course will examine a selection of recent advances in neuroscience that provide clinicians with alternative ways of thinking about mental disorders. As we have moved beyond the Decade of the Brain (1990-2000), ever more exciting findings from research have emerged. We will examine examples of mental disorders where the evidence for structural and/or functional brain abnormalities is strongest. The implications of this for assessment, prevention, and treatment will be discussed. Examples from the major life stages of childhood, adolescence, adulthood, and old age will be examined. We will make use of recent research articles to frame the

discussion. (1 credit)

ED.863.524 Individual and Group Dynamics: Behavior in Context

Individual and group dynamics are at the core of adaptive or maladaptive human behavior. A solid grounding in basic empirically-derived principles of motivation aids counselors in better formulating and presenting problems and in conceptualizing appropriate interventions. Foundations for this course are derived from classic theories and research findings in personality psychology, social psychology, cross-cultural psychology, and neuroscience. Students explore the influence of the person, the situation, and cultural diversity as forces in shaping behavioral tendencies. A unifying theme within the course is the influence of resilience as a dispositional perspective for both the client and the helping professional. (3 credits)

ED.863.526 Introduction to Play Therapy with Children

The major goal of this course is to facilitate students' knowledge, dispositions, and skills to counsel children through play therapy and other major theoretical applications. Students' learning will be facilitated through didactic presentations, interactive discussions, and supervised counseling practice with elementary school children. This course also emphasizes the counselor's collaborative work with children's legal guardians/family members. (3 credits)

ED.863.527 Counseling the Early Adolescent

Students explore the physical, emotional, and social development of the early adolescent population (ages 10-14) and examine the relationship between development and counseling needs. Students review relevant research; apply individual and group counseling theory and techniques; and explore issues such as self-esteem, peer pressure, sexuality, substance abuse, anger, violence, suicide, and family relationships. Relevant ethical and legal issues are addressed. (3 credits)

Note: This course must be taken prior to ED.863.820. Master's students must have completed a minimum of 15 credits before registering for this course.

ED.863.571 Counseling Adolescents

This course provides an overview of the various aspects of adolescent counseling, ranging from adolescent depression, suicide, crisis, drug and alcohol abuse, peer pressure, self-esteem issues, culture, family issues, and developmental themes. Part of the course is dedicated to examining current research on adolescents. The emphasis of the course is on clinical training in group, family, and individual contexts. Relevant ethical and legal issues are addressed. (3 credits)

Note: This course must be taken prior to ED.863.820. Master's students must have

completed a minimum of 15 credits before registering for this course.

ED.863.603 Couple and Family Therapy

(Lab course) Students study the theory and practice of family therapy with an emphasis on models of family development and major approaches to intervention with families. Systemic models of family intervention are emphasized, as well as the study of other historically important and contemporary approaches to family therapy. The course blends didactic and experiential learning. (3 credits)

Note: Students are required to attend the two-day laboratory sessions. Laboratory courses and internship classes involve an exploration of personal factors as they contribute to counseling skills and techniques. Master's students must have completed a minimum of 15 credits before registering for this course.

ED.863.607 Diversity and Social Justice in Counseling

Participants explore aspects of counseling clients from diverse ethnic, racial, and socioeconomic backgrounds. Through didactic and experiential learning techniques, students consider counseling strategies for enhancing cross-cultural interventions. (3 credits)

ED.863.624 Building Effective School Family Community Partnerships: Models for Education, Health, and Youth Professionals

Research indicates that school-family-community partnerships are integral to fostering resilience and academic achievement for children and youth. School leaders, teachers, counselors, social workers, psychologists, health professionals, and youth workers all play integral roles in building partnerships to promote youth's academic, personal-social, and college-career development in schools and community settings. In this course, education and health professionals will learn partnership models and skills and design partnership activities and programs to engage, equip, and empower families, communities, and school personnel as active partners in promoting youth success, school improvement, and community development. (1 credit)

ED.863.626 Behavioral Medicine and Health Psychology Applications in Clinical Mental Health Counseling

This course provides a broad introduction to the field of behavioral medicine as part of the field of health psychology. Through a culturally-sensitive biopsychosocial lens, students examine theory and research as it applies to behavioral and emotional factors that impact the delivery of primary, secondary, and tertiary prevention efforts as part of a multidisciplinary team within medical settings. The content will explore applications of behavioral medicine and health psychology principles to a variety of health care

conditions as they occur across the developmental continuum, preparing the clinical mental health counselor for a variety of roles in health care systems. (3 credits)

ED.863.629 College Admissions Counseling

This course presents an overview of college admissions counseling for those who work with students making the transition from high school to college (e.g., middle and high school counselors, teachers, and college admissions personnel who want to become more familiar with high school processes and protocol). Effective strategies and practices that enhance students' college readiness will be introduced and practiced. Topics for the course include: the college counselor's timeline, resources available to counselors for college applications and financial aid planning, academic planning for college readiness, tips for writing college recommendations, developing a school-wide college-going culture, dismantling inequities in college admissions, and managing a college counseling office. (3 credits)

ED.863.630 Addictions Counseling I: Theory and Approaches

Students explore the fundamental principles of addictions counseling from a wide range of perspectives. These include the psychopharmacological aspects of alcohol and abusable drugs, along with theories and assessments of addictive disorders. Many treatment models are considered and examined in the context of individual, group, and family therapy perspectives. The course also addresses the research literature on codependence, COA's, AA and other 12-step programs, dual diagnosis, relapse, prevention, and multicultural and gender issues. (3 credits)

ED.863.631 Addictions Counseling II: Techniques and Strategies

This course includes a wide variety of techniques and strategies for effective counseling with clients with addictive behaviors. A practice oriented approach is taken involving in-class demonstrations, simulations, and role-plays, utilizing techniques taken from various theories and applied in individual, group, and family contexts. The emphasis of the course is on intervention skills and working with resistance. (3 credits)

ED.863.650 Working with Children's Contemporary Issues of Grief and Trauma

This course recognizes a multitude of loss and grief issues faced by children in a contemporary world. Students gain an understanding of children's complicated grief issues including suicide, homicide, AIDS, violence, abuse, bullying, terrorism, and trauma. Through the use of case studies, students learn how to utilize specific clinical techniques when working with children experiencing traumatic loss. Participants gain an awareness of normal grief responses in children, tasks of grief, myths of grief, and techniques useful in

helping children grieve. Students learn practical ways to respond to children's grief reactions and questions and learn grief resolution techniques to work with children in educational and counseling situations. They also learn how to recognize behaviors that signal loss and how to identify at-risk and traumatized children. (3 credits)

ED.863.652 Advanced Play Therapy Interventions

This course is designed for those who have had previous preparation in basic play therapy, and who desire to enhance their understanding and refine their skills in techniques and methods of play therapy when working with children and adolescents in school, community-based, and private counseling settings. Advanced interventions and strategies will focus on aspects related to various theoretical orientations and creative approaches to counseling young children, adolescents, and families. The usefulness of expressive art techniques, sand play, bibliotherapy, and school-based play therapy will be some of the advanced topics covered. Students will have the opportunity to receive supervised experience as they practice and observe play therapy techniques through experiential assignments. Specific discussions will focus on how counseling and play therapy influences the practice of counseling with children and adolescents, and how current empirically based research and ethical clinical practice influence the development of play therapy and counseling theories. (3 credits)

ED.863.663 Marriage and Family Therapy Assessment

This course focuses on issues pertaining to clinical assessment of couples and families. Assumptions and values underlying assessment approaches will be discussed. Specific assessment techniques will be examined, evaluated, and administered. Ethical, legal, and practical issues will be explored. Attention will be paid to theoretical underpinnings of measure, as well as their psychometric properties. (3 credits)

ED.863.674 Advanced Asian Meditation Therapies

Various styles and methods of meditation are examined from the Buddhist, Hindu, and Taoist traditions, as well as their philosophical assumptions, psychological perspectives, and research support. Many meditation methods, such as concentration, mindfulness, and bhakti, as well as various forms of Yoga and Zen meditation are studied, with an emphasis on application to mental and emotional disorders such as anxiety and depression. An understanding of Asian concepts of the ego, mind, body, mental health, psychopathology, compassion, freedom, and liberation are also addressed. A portion of class periods will be devoted to the actual practice and application of techniques studied in class and in reading assignments. (3 credits)

ED.863.681 Research and Evaluation for Counselors

Participants learn the basic concepts for understanding and conducting research and program evaluation related to the counseling and human services fields. Students study experimental and quasi-experimental designs, examine quantitative and qualitative methodologies, and learn basic statistical procedures for data analysis. (3 credits)

ED.863.718 Counseling Military Families

Students explore aspects and issues affecting military families. Students consider the military as a unique culture within American society; the cultural context of the transmission of values, beliefs, and customs; and the needs of children and spouses of those serving in the military. Considerable time will be spent exploring counseling for issues of PTSD, substance abuse, isolation, frequent relocations, deployment, reintegration into family life, anticipatory loss and grief, anxiety, uncertainty, the effects of war, managing stress and anger, staying healthy, improving sleep, and building resiliency. (3 credits)

ED.863.723 Narrative Therapy with Families

This hands-on course introduces students to post-structural thinking with specific applications to work with diverse families in multiple settings. An understanding of narrative ideas and practices will be the focus for effectively training clinicians to address contemporary issues presented by families and couples, including attention to issues of social justice. The instructor will utilize a variety of teaching methods: lecture/discussion, video examples, classroom exercises, and practice. Readings will be sent to course participants beforehand to enrich classroom discussion and to allow a focus on the underlying epistemology that informs narrative thinking and as well to allow room for extensive clinical practice. Students will leave the course having not only an understanding of the theoretical ideas but also a sense of how to do narrative work. (3 credits)

ED.863.735 Counseling African American Children and Adolescents

The rapid and explosive demographic shifts in this country, as well as the personal, social, and educational prospects for culturally and linguistically diverse children and adolescents, give rise to the importance of cultural competence among counseling practitioners who aspire to work with this population. This course addresses the requisite knowledge and skills for working more effectively with this population. More precisely, the course explores the educational and socio-emotional needs of culturally and linguistically diverse children and adolescents. Attention will be devoted to the complex interplay between culture, mental health, and education. Specific attention will be devoted to counseling interventions that contribute to youngsters reaching their fullest potential. (3 credits)

ED.863.736 School Counseling Leadership and Consultation

This course is designed to prepare students to lead programs and employ consultation strategies in the development and implementation of data-driven school counseling programs. Students will learn leadership and school-based consultation principles, theories, skills, and models necessary to enhance the learning environment. Emphasis is placed on the role of the school counselor as a systemic change agent. Ultimately, the course will assist future school counselor leaders build effective stakeholder consultation teams that promote equitable services for all K-12 students. (3 credits)

ED.863.795 Ethical and Legal Issues of Mental Health Counseling

Participants explore professional issues in counseling, with specific regard to ethics and laws that pertain to the profession, such as ethical codes, responsibility, competence, public statements, confidentiality, reporting abuse, and dual relationships. Professional issues in the context of community mental health are also covered in terms of historical, societal, and philosophical aspects, as well as licensing, roles, policies, legislation, reimbursement, and the professional identity of community counselors. Racial and ethnic issues, as well as gender, sexual orientation, socioeconomic status, and mental status in community counseling settings are also addressed. (3 credits)

Note: Must be taken prior to internship.

ED.863.808 Practicum in School Counseling

This supervised practicum experience is offered in two modalities. The first modality is an experiential course including seminar discussions, review of major theories of counseling with an emphasis on the integration of theory and practice, interview analysis, video and/or audiotape observations, and supervised exercises. Emphasis here is given to the development of foundational counseling skills (i.e. trust building, collaborative goal development, interpretation, summarization, paraphrasing, case conceptualization). The second modality is a practicum course involving 100 hours of individual counseling and group counseling, as well as supervisory experience in a school setting or clinical setting where children and/or adolescents are served. Supervision of this experience will be provided by the on-site supervisor and a school counseling program faculty member. Emphasis here is given to the development of cultural competence, social/emotional issues of children and adolescents (e.g., depression, bullying), and school-related issues (e.g., crisis management). The course is taken near the end of a student's program of study just prior to the internship. (3 credits)

Note: This practicum course is only open to students in the School Counseling master's

program.

ED.863.820 Internship in School Counseling

This supervised experience in school counseling includes both field work and class instruction. Students spend 600 hours, over the course of two consecutive semesters (fall-spring sequence), engaged in counseling, consultation, and program development activities under the direct supervision of a practicing, certified school counselor. (6 credits taken over two semesters)

Note: This course is open only to students in the School Counseling master's program. Students must have completed a minimum of 39 credits in the program before registering for this course. Students must attend the mandatory field placement and school counseling internship meeting held in January to begin the application and site selection process.

ED.863.830 Graduate Project in Counseling

Students of demonstrated ability with a special interest in counseling study under the personal direction of a faculty member in the School of Education. Students must meet with their faculty adviser and prepare an outline of the proposed project prior to registration. (1- 6 credits)

Note: Students must have the permission of their faculty adviser to register for this course. Master's students must have completed a minimum of 24 credits before registering for this course.

ED.863.841 Couple and Family Therapy Graduate Project

Students of demonstrated ability with a special interest in counseling study under the personal direction of a faculty member in the School of Education. Students must meet with their faculty adviser and prepare an outline of the proposed project prior to registration. (3 credits)

ED.863.870 Practicum in Clinical Mental Health Counseling

This supervised practicum experience is offered in two modalities. The first modality is an experiential course including seminar discussions, review of major theories of counseling with an emphasis on the integration of theory and practice, interview analysis, video and/or audiotape observations, and supervised exercises. Emphasis here is given to the development of foundational counseling skills (i.e. trust building, collaborative goal development, interpretation, summarization, paraphrasing, case conceptualization). The second modality is a practicum course involving practical training at a community based agency or intuition. Training focuses on integrating counseling theories in social context with individual counseling practice. Emphasis here is given to the development of cultural competence in joining, trust building,

developing clinical hypotheses and interventions, and collaborating with clients in the development of goals, relevant legal and ethical issues. The course includes both didactic and experiential learning and is taken near the end of a student's program of study just prior to the internship. (3 credits)

Note: Students must have completed 36 credits and have taken 863.607 Diversity and Social Justice in Counseling.

ED.863.875 Internship in Clinical Mental Health Counseling

This supervised internship in counseling includes both class instruction and either a 600- or 1000-hour internship. Students must register for this course in consecutive fall and spring semesters, as it is a two-semester course. (6-12 credits; taken over two semesters)

Note: This course is open only to students in the Clinical Mental Health Counseling master's program. Students must have completed a minimum of 48 credits in the program before registering for this course. Students must have completed all laboratory classes and received approval from their faculty adviser to register. Attendance at the January internship orientation meeting is required.

ED.863.880 Theory and Practice of Clinical Supervision

This course is a didactic and clinical study of supervision. The didactic component involves an orientation to the different conceptual frameworks and models of supervision; the context of the supervision relationship, including variables such as gender, race, culture, socioeconomic status, sexual orientation, and religion; and the ethical, legal, and professional regulatory responsibilities of clinical supervisors. The clinical component includes the development of a supervisory contract, informed consent, documentation procedures, evaluation approaches, and structure for supervision sessions. Students practice supervision skills and strategies and techniques for doing individual and group supervision. (3 credits)

ED.871.501 Introduction to Children and Youth with Exceptionalities

Students investigate the major areas of exceptionality addressing the characteristics and educational needs of students with a broad range of special instructional needs. Students review incidence and etiology, diagnostic and instructional services, educational continuum of programs, and findings of recent research. (3 credits)

ED.871.502 Educational Alternatives for Students with Special Needs

Designed especially for general educators, counselors, supervisors, and administrators, this

course examines differentiated instruction for students with special needs in general education classrooms. Students review the legal foundations and requirements of special education and the collaborative role of general and special educators in the implementation of individualized educational programs in general education classrooms. (3 credits)

ED.871.510 Legal Aspects, Service Systems, and Current Issues in Special Education

This survey course reviews litigated and legislated standards for special education and related services for persons with disabilities. Students explore current issues in the provision of services for persons with disabilities, including inclusion, the response to intervention (RTI), and regulations for eligibility. (3 credits)

ED.871.511 Instructional Planning and Management in Special Education

Students focus on the instructional and organizational skills necessary for teaching students who receive special education services. Topics of primary emphasis include developing effective individualized education plans, preparing and delivering exemplary lesson plans, and identifying instructional best practice strategies that promote effective classroom organization and instruction. Students create lesson plans using best practice strategies. (3 credits)

ED.871.512 Collaborative Programming in Special Education

This course focuses on collaboration themes common to various educational settings: interpersonal communication, problem solving, cultural diversity, teamwork, and family systems theory. Students examine techniques that promote effective communication between teachers, school administrators and related professionals, and families of students with special needs. Co-teaching models that work effectively are also discussed. (3 credits)

ED.871.513 Applied Behavioral Programming

This course will focus on the methodology of applied behavior analysis including how the principles of behavior can be used to make changes and improvements in classroom behavior. Observational methods, single-subject designs, behavior promotion and reduction, and generalization strategies are reviewed in relation to the needs of students with disabilities. Students assess and develop individual behavior projects that demonstrate their ability to design, implement, and evaluate behavioral support programs in an ethically responsive manner. (3 credits)

ED.871.514 Medical and Physical Aspects of Disabilities

This survey course provides students with information from the medical sciences concerning the etiologies and treatments of disabilities. Topics include human genetics and embryology; the newborn period;

the structure, functions, and interrelationships of the major systems of the human body; infectious diseases; and emergency procedures. The relationship between students' medical issues and classroom activities is discussed. (3 credits)

ED.871.860 Dissertation Research in Special Education

Doctoral students in special education prepare the dissertation proposal and conduct research under the direction of the appropriate research committee in the School of Education. Written approval of the proposal must be received from the major adviser prior to registration. (3 credits)

ED.872.500 Seminar: Current Trends and Issues in Early Childhood Special Education

Beginning students in the Early Childhood Special Education (ECSE) program will explore research, policy, and practice in the field of ECSE. Students will acquire a broader schema for roles and responsibilities, career planning, accepted standards, contemporary practice, and organizational structures related to ECSE. Students will become familiar with features of national, state, and local ECSE systems. Students will also examine issues related to reform-based preschool and primary special education in Maryland. (3 credits)

ED.872.501 Screening, Diagnosis, and Assessment of Young Children with Disabilities

The first few years of life establish initial patterns of learning, literacy, and behavior, and set the pace for subsequent development. In this course, the emphasis is on the translation of evaluation and assessment information into meaningful outcomes for young children with disabilities. Students will review instruments and procedures for screening, evaluating, and assessing the status of a young child's cognitive development, physical development (including vision and hearing), communication development, social and emotional development, and adaptive development. (3 credits)

ED.872.502 Instructional Program Planning and Methods: Birth-3 Years

Early intervention can have a significant effect on developmental outcomes for young children with disabilities and their families. This course will prepare students to support the facilitation of a family-centered foundation for learning and literacy in infants and toddlers. Students will focus on planning, implementing, and evaluating programs for eligible infants, toddlers, preschoolers, and their families. Topics include: (a) a survey of curricular options for young children and families, (b) selection of family-centered treatment outcomes, (c) design of instructional activities for promoting developmental progress, (d) evaluation of program effectiveness, and (e) evaluation of family satisfaction with services. (3 credits)

ED.872.503 Instructional Program Planning and Methods: Grades Pre-K-3

In this course, students will develop competencies in planning, administering, and reporting the results of a variety of screening, evaluation, and assessment instruments or procedures for children in pre-kindergarten through primary level special education programs. Students will interpret test results for purposes of: (a) communicating findings to families, (b) communicating findings to colleagues, (c) individual program planning for learning and literacy, and (d) monitoring of individualized programs. Students will create strategies for effective management of resources and information related to the screening, evaluation, or assessment process at pre-kindergarten through primary levels of special education. (3 credits)

ED.872.504 Materials for Teaching Reading to Young Children with Disabilities: Grades K-3

This course examines the variables associated with the selection and use of appropriate materials for teaching reading to kindergarten and primary level students with disabilities. Students will create an organized, comprehensive intervention plan that effectively integrates meaningful and engaging technology and print materials to address the essential components of reading (phonemic awareness, phonics, fluency, vocabulary, comprehension) and written expression. Students will develop a print-rich classroom environment that promotes interests, motivation, and positive attitudes about literacy. (3 credits)

ED.872.506 Instruction of Reading for Young Children with Disabilities: Grades K-3

Students will explore evidence-based techniques that can be applied in classroom reading instruction for kindergarten and primary students with disabilities. Assessment data will be used to prepare and implement instruction in phonemic awareness, phonics, word recognition, spelling, fluency, comprehension and organizational skills. Students will develop strategies for differentiating instruction to address the wide range of reading and related language abilities found in K-3 inclusion classrooms. (3 credits)

ED.872.509 Assessment of Reading for Young Children with Disabilities: Grades K-3

In this course, students will select, administer, and interpret a variety of reading assessments to use as the basis to create individualized prevention and intervention strategies. These assessments will include formal and informal measures with a focus on the diagnosis of reading problems, individualized planning for reading instruction, and implementation of such reading programs as Orton-Gillingham, the Stevenson method, phonemic awareness, the alphabetic principle, and modification of the literacy environment. (3 credits)

ED.872.514 Development of Young Children with Disabilities

This course examines typical and atypical development of young children, with a special emphasis on the etiology of developmental disabilities. Biological and environmental influences on young children are explored within the context of family and culture. (3 credits)

ED.872.800 Exploratory Site-Based Field Experience in Early Childhood Special Education

This exploratory site-based field experience provides participants with an introduction to early intervention, preschool, and primary special education programs for young children with disabilities, ages birth through eight years of age. This experience is intended for graduate students, within their first semester of early childhood special education coursework, who have not had substantial, consistent, or recent exposure to settings and services for young children with disabilities. This field experience, in conjunction with ongoing seminars and assignments, provides an overview of the roles and responsibilities of early childhood special education teachers regarding the day-to-day operations of programs for young children with disabilities. (2 credits)

ED.872.810 Internship: Early Intervention and Preschool Special Education

Designed for students seeking Maryland special education teacher certification at the infant/primary level, this internship provides supervised field experiences in early intervention or preschool special education programs for young children with disabilities in the birth-to-five-years age range. Internship sites and activities are individually selected according to student interest and training needs. (3 credits)

Note: Must have permission of faculty adviser to register for this course.

ED.872.811 Internship: Preschool and Primary Level Special Education

Designed for students seeking Maryland special education teacher certification at the infant/primary level, this internship provides supervised field experiences in special education for children in the three- to-eight year age range. Field sites and activities are individually selected according to student interest and training needs. (3 credits)

Note: Must have permission of faculty adviser to register for this course.

ED.872.830 Graduate Project in Early Childhood Special Education

Students with a demonstrated ability and a special interest in early childhood special education study under the personal direction of a faculty member in the School of Education. The student must meet with the faculty member who will supervise his or her project prior to registration. (3 credits)

Note: Must have permission of faculty adviser to register for this course.

ED.873.601 Introduction to Applied Behavior Analysis and Special Education

This course provides introductory knowledge of Applied Behavior Analysis (ABA). Among the topics explored will be the scientific foundation on which ABA is built, the concepts and principles of behavior analysis, and an overview of the application of ABA in educational settings. (3 credits)

ED.873.602 Research Methods: Evaluation, Measurement and Single Case Design

The course will examine the methods of single subject research design, including defining and measuring behavior, data collection and interpretation of graphs, and single case research designs. Students will learn to utilize research methods to evaluate and measure the effectiveness of intervention and instructional procedures within an educational setting. (3 credits)

ED.873.603 Behavioral Assessment and Intervention for Challenging Behaviors

This course will investigate the principles and procedures of the field of applied behavior analysis as it relates to challenging behaviors. Observational methods, behavior promotion and reduction, and generalization strategies will be reviewed in relation to the needs of students with disabilities. Students will design, implement, and evaluate a behavior reduction program based on assessment results to decrease inappropriate behaviors for an individual student or a group of students in an educational setting. (3 credits)

ED.873.604 Behavioral Assessment and Instructional Strategies

The course will focus on developing effective teaching plans based on Applied Behavior Analysis (ABA), exploring a variety of teaching strategies including discrete trial instruction, applied verbal behavior, shaping, chaining, direct instruction, precision teaching, personalized systems of instruction, incidental teaching, functional communication training, augmentative communication systems, programming for acquisition, generalization, and maintenance, and making data-based decision making to improve instruction. Students will design, implement, and evaluate an instructional program based on assessment results to increase a desired behavior/skill for an individual student or a group of students in an educational setting. (3 credits)

ED.873.605 Ethics and Professional Conduct for Behavior Analysts

This course will provide discussion and examination of ethics and responsible conduct of behavior analysts with an in-depth review of the Guidelines for Responsible Conduct for Behavior Analysts (BACB,

2012). It will also include an overview of the behavior consultation model and examine the influence of Applied Behavior Analysis (ABA) on autism, developmental disabilities, and special education. (3 credits)

ED.873.606 Applications of ABA in the Classroom

This course will provide in-depth discussion and strategies regarding the implementation of applied behavior analysis in the classroom setting. Strategies will focus on documentation of services, training, and monitoring of others in carrying out behavior change procedures, performance monitoring and procedural integrity, supervision, evaluating effectiveness of intervention and teaching, and maintaining behavior change in the natural environment. Students will also learn and plan for unwanted effects of reinforcement, punishment, and extinction in a classroom setting. Students will also examine current issues in special education as they relate to the implementation of applied behavior analysis, including inclusion, effective data collection, choosing evidence based practices, and discussing the benefits of behavior analysis with other professionals. Finally, the course will help candidates prepare for the Board Certified Behavior Analysts (BCBA) exam. (3 credits)

ED.873.610 ABA Practicum I

The practicum is designed to meet the field experience requirements as outlined by the Behavior Analyst Certification Board (BACB; www.bacb.com). This practicum provides supervised experiences in the application of behavior analytic services in educational setting. The practicum will also include a face-to-face seminar with an instructor. (3 credits)

ED.873.611 ABA Practicum II

The practicum is designed to meet the field experience requirements as outlined by the Behavior Analyst Certification Board (BACB; www.bacb.com). This practicum provides supervised experiences in the application of behavior analytic services in educational setting. The practicum will also include a face-to-face seminar with an instructor. (3 credits)

ED.874.512 Characteristics of Students with Mild to Moderate Disabilities: Learning Disabilities, Behavioral Disorders, and Intellectual Disabilities

Students examine the incidence, etiology, and characteristics of students with learning disabilities, behavioral disorders, and intellectual disabilities, and review major theoretical models and instructional practices associated with each. (3 credits)

ED.874.513 Educational Assessment of Students with Mild to Moderate Disabilities: Elementary/Middle

Students explore assessment instruments and

procedures for diagnosing elementary and middle school students who are experiencing learning and behavior problems. Participants administer and interpret norm-referenced, criterion-referenced, and curriculum-based instruments that assess academic achievement, social behavior, and emotional functioning. (3 credits)

ED.874.514 Educational Assessment of Students with Mild to Moderate Disabilities: Secondary/Adult

Students examine assessment instruments and procedures for diagnosing secondary level students who are experiencing learning and behavior problems in school. Students administer and interpret norm-referenced, criterion-referenced, and curriculum-based instruments that assess academic achievement, social-emotional behavior, and vocational functioning. (3 credits)

ED.874.524 Spoken and Written Language: Methods for Students with Mild to Moderate Disabilities

Students learn teaching strategies that can be used by teachers with students who have difficulty with oral and written expressive language. Instructional methods include both curriculum modifications and teacher-devised tasks. (3 credits)

ED.874.525 Mathematics: Methods for Students with Mild to Moderate Disabilities

Students examine effective instructional strategies for the remediation of problems frequently found in the mathematics performance of students with mild to moderate disabilities. (3 credits)

ED.874.526 Classroom Management: Methods for Students with Mild to Moderate Disabilities

This course reviews the theoretical foundations for developing practical interventions and management strategies to deal with inappropriate classroom behaviors, as well as strategies for individualized education program (IEP) development and implementation. Behavior modification, therapeutic strategies, social skills instruction, and communication principles are applied to the design and implementation of structured classroom management programs. (3 credits)

ED.874.527 Career Assessment and Programming: Education of Students with Mild to Moderate Disabilities

This course examines the assessment and instructional methods needed to implement and evaluate career transition and vocational programs that promote successful post-school adjustments for students with mild to moderate disabilities. Participants review the practice of vocational and career assessment, vocational instruction, vocational counseling, and the development of recreation and leisure skills and activities. (3 credits)

ED.874.528 Diversifying the General Education

Curriculum: Methods for Secondary Students with Mild to Moderate Disabilities

Students discuss the characteristics of adolescents with mild to moderate disabilities. Students review the goals of the secondary school and gain an understanding of the range of curricular demands and graduation requirements, and their impact on students with special needs. The implications of school organization and service delivery models for students with disabilities are explored. Students develop accommodations, modifications, co-teaching plans, and projects across secondary curricular content areas. (3 credits)

ED.874.541 Reading: Methods for Students with Mild to Moderate Disabilities

Students learn to apply strategies designed to improve the reading performance of elementary/middle school students with mild to moderate disabilities. Highlighted are strategies related to word identification and paraphrasing and methods such as progress monitoring and self-evaluation. During the course, students apply a strategy with a student who is experiencing reading difficulties. (3 credits)

ED.874.542 Reading, English, and Language Arts: Methods for Secondary Students with Mild to Moderate Disabilities

Students learn to apply strategies designed to improve the reading and writing performance of secondary students with disabilities. Highlighted are strategies designed to maximize content area reading comprehension and writing within the content areas. During the course, students apply strategies with a secondary student or students experiencing reading difficulties. This course incorporates goals and objectives that correspond to the MSDE required course, 884.508 Methods of Teaching Reading in the Secondary Content Area, Part I. (3 credits)

ED.874.830 Graduate Project in Mild to Moderate Disabilities

Students with demonstrated ability and a special interest in mild to moderate disabilities study under the direction of a faculty member in the School of Education. Students must meet with their faculty adviser and prepare an outline of their proposed project prior to registration. (3 credits)

ED.874.860 Mild to Moderate Disabilities Internship: Induction - Elementary/Middle

Designed for students seeking Maryland generic special education certification at the elementary/middle level, this internship, scheduled approximately midpoint in a student's program, provides supervised experiences in the education of children and youth in grades one through eight who require special education services. The internship sites and activities are assigned according to each student's interest and training needs. The participant implements foundational knowledge, skills, and dispositions gained in coursework in the areas

of assessment, instruction, classroom management, and individual behavior intervention appropriate for the learning characteristics of elementary and middle school age students with disabilities. (3 credits)

Note: Must be admitted to the Mild to Moderate Disabilities degree program AND have completed a minimum of 12 credits of required coursework AND have permission of faculty adviser to register for this course.

ED.874.861 Mild to Moderate Disabilities Internship: Culmination - Elementary/Middle

Designed for students seeking Maryland generic special education certification at the elementary/middle level, this internship, scheduled near the completion of a student's program, provides supervised experiences in the education of children and youth in grades one through eight who require special education services. The internship sites and activities are assigned according to each student's interest and training needs. The participant continues professional development begun during the induction internship by implementing content specific knowledge, skills, and dispositions gained in subsequent coursework, with a focus on evaluating, selecting, and using reading materials and instructional methods appropriate for the learning characteristics of elementary and middle school age students with disabilities. This course incorporates goals and objectives that correspond to the MSDE required course, 884.505 Materials for Teaching Reading. (3 credits)

Note: Must have completed a minimum of 24 credits in the Mild to Moderate Disabilities degree program AND have permission of faculty adviser to register for this course.

ED.874.870 Mild to Moderate Disabilities Internship: Induction - Secondary/Adult

Designed for students seeking Maryland generic special education certification at the secondary/adult level, this internship, scheduled approximately midpoint in a student's program, provides supervised experiences in the education of adolescents and young adults in grades six through 12 who require special education services. The internship sites and activities are assigned according to each student's interest and training needs. The participant implements foundational knowledge, skills, and dispositions gained in coursework in the areas of assessment, instruction, classroom management, and individual behavior intervention appropriate for the learning characteristics of middle and high school age students with disabilities. (3 credits)

Note: Must be admitted to the Mild to Moderate Disabilities degree program AND have completed a minimum of 12 credits of required coursework AND have permission of faculty adviser to register for this course.

ED.874.871 Mild to Moderate Disabilities Internship: Culmination - Secondary/Adult

Designed for students seeking Maryland generic special education certification at the secondary/adult level, this internship, scheduled near the completion of a student's program, provides supervised experiences in the education of adolescents and young adults in grades six through 12 who require special education services. The internship sites and activities are assigned according to each student's interest and training needs. The participant continues professional development begun during the induction internship by implementing content specific knowledge. This course incorporates goals and objectives that correspond to the MSDE required course, 884.510 Methods of Teaching Reading in the Secondary Content Area, Part II. (3 credits)

ED.877.513 Education of Students with Severe Disabilities: Augmentative Communication Systems

Students examine the design of augmentative communication systems that include use of graphic symbols for individuals with severe disabilities. Participants design and construct communication aids and develop strategies for integrating augmentative communication into the curriculum. (3 credits)

ED.877.514 Community and Independent Living Skills

This course reviews the philosophical movements that have fostered the improvements to the instruction of children, youth, and adults with disabilities. Participants (a) apply the principles of ecological assessment in the development of curriculum sequences for children and youth with severe disabilities, and (b) examine current research based teaching practices designed to promote the adaptive skills that contribute to the social competence and community acceptance of individuals with severe disabilities. (3 credits)

ED.877.515 Education of Students with Severe Disabilities: Hearing and Vision Impairments

Participants review suitable methods of assessing the visual and auditory capabilities of students with severe and multiple disabilities and the instructional adaptations necessary to increase their function in daily activities. Topics include ocular and auditory pathologies and their educational implications, functional vision evaluation, and behavioral audiometry. (3 credits)

ED.877.518 Education of Students with Severe Disabilities: Management of Motor Skills

This course examines atypical variations in the motor development of students with severe disabilities, with an emphasis on the remediation of abnormal patterns in the performance of daily activities. Participants gain information about specific remediation strategies and the appropriate use of assistive equipment

to promote functional positioning, movement, and oral motor skills. (3 credits)

ED.877.550 Inclusive Practices for Autism Spectrum Disorders

This course examines the legal mandates for inclusive practices in public schools and barriers to successful inclusion for students with autism. Students will identify the process for determining the most appropriate educational environment and learn the critical steps in preparing students and teachers for inclusion. Models of inclusion and instructional modifications for the general education classroom will be reviewed. Students will learn to define the varying applications of inclusive settings, plan goals and objectives that reflect the inclusion goals, and implement strategies that lead toward inclusion. (3 credits)

ED.877.551 Survey of Autism and Other Pervasive Developmental Disorders

Providing a comprehensive review of current information about autism and other pervasive developmental disorders, this course draws on research findings and clinical experience from a number of related disciplines, including psychiatry, psychology, neurobiology, and pediatrics. In addition to exploring theories of causation, developmental aspects, descriptive and diagnostic characteristics, and legal and social issues, students are introduced to the primary therapeutic and intervention strategies employed with students who have autism. The theoretical basis of, and empirical evidence for, the diverse traditional and nontraditional therapies that have been proposed for persons with autism are also explored. (3 credits)

ED.877.553 Classroom Programming for Students with Autism

Students examine the design and implementation of effective classroom programs for students with autism who differ in age and level of functioning. The course topics include classroom structure and organization, group instruction strategies, educational assessment and IEP development, data collection, curriculum, instructional activities and materials, parent involvement, and staffing and support services. (3 credits)

ED.877.555 Teaching Communication and Social Skills

This course examines the assessment and instructional strategies that have been shown to be effective in promoting the development of cognitive, language, and social skills by students who have severe disabilities, including those diagnosed with autism, Asperger's Syndrome, or other pervasive developmental disorders. Participants examine the instructional adaptations needed to promote the development of cognitive, communicative, and social skills in students with severe disabilities, and review the relevant empirical literature. (3 credits)

ED.877.810 Internship in Severe Disabilities: Induction

Designed for severe disabilities program participants on the Maryland State certification and Non-Certification track, this internship provides supervised field experiences in the application of instructional strategies and curriculum adaptations needed to teach children with severe disabilities. Students completing the induction internship gradually assume leadership responsibilities in their placement setting and are expected to demonstrate fluency of applied instructional and behavioral skills. (3 credits)

Note: A minimum of 12 credits of required courses and faculty adviser approval are required before registering for the induction internship.

ED.877.811 Internship in Severe Disabilities: Culmination

Designed for severe disabilities program participants on the Maryland State certification track, this internship provides supervised field experiences in the application of instructional strategies and curriculum adaptations needed to teach children with severe disabilities. Students completing the culminating internship assume a more complete leadership role in their placement setting and are expected to demonstrate applied instructional and behavioral skills at an advanced mastery level. (3 credits)

Note: Praxis II, completion of required program coursework, and faculty adviser approval are required before registering for the culminating internship.

ED.877.830 Graduate Project in Severe Disabilities

Students of demonstrated ability with special interest in services for persons with severe and multiple disabilities study under the direction of a faculty member in the School of Education. Students must meet with their faculty adviser and prepare an outline of their proposed project prior to registration. (3 credits)

ED.878.501 Differentiated Instruction and Inclusion

Students examine practical, ethical, and theoretical issues in the context of national, state, and local initiatives for least restrictive placement of students with diverse learning needs, including typical students, ESOL students, students with disabilities, and those who are gifted. Individuals compare and contrast existing service delivery systems and model programs that are successful at integrating students with a range of educational needs into general education settings. (3 credits)

ED.878.502 Curriculum Design and Adaptations for Strategic Interventions I

Students analyze and adapt curricula from general

education and design lessons to implement goals and objectives from learners' individualized education programs into their general education settings. Topics include frameworks for curriculum design, assistive technology, effective teaching methods for heterogeneous instruction, and instructional planning techniques that address the needs of students. (3 credits)

ED.878.503 Educational Measurement and Curricular-Based Assessment

Students review standardized achievement tests, criterion-referenced tests, and curriculum-based measurement, and interpret results as they relate to program planning for learners with diverse learning needs in general education classrooms. The course emphasizes developing curricular-based assessments and progress monitoring of students, determining local and school norms for tests, and evaluating learners' progress and performance in academic and social curricular areas. (3 credits)

ED.878.505 Cooperative Learning for Diverse School Programs

Students explore the recent research on cooperative learning and develop methods for using cooperative systems in heterogeneous settings that accommodate individuals with a range of diverse learning needs. Participants discuss cooperative and peer learning programs and explore research findings and practical classroom organization and instructional strategies. (3 credits)

ED.880.603 Educating the Whole Child: Teaching to the Developmental Needs of the Urban Child

This course will focus participants' learning on child and adolescent development consistent with developmental pathways: cognitive, linguistic, emotional, social, and physical. Topics include the needs of urban school children relative to health care, nutrition, differentiation, inclusion, special education, gifted education, arts education, higher order thinking and creative problem-solving. (3 credits)

ED.880.610 Writing Grant and Contract Proposals for Health Professions Education

Students in this course gain practical experience in writing grant and contract proposals addressing the education of health professionals for submission to state and federal agencies and to private organizations. Course topics include: (1) the purposes of federal grant and contract programs, (2) private and public sources of financial assistance for research and development activities, and (3) methods and procedures for writing technically sound proposals. Each student writes a complete grant or contract proposal during the semester. (3 credits)

ED.880.611 The Social Context of Urban Education

In this course, participants will explore, critique, and create lessons and activities that utilize all learners' intellectual, social, and emotional styles that make up their cultural ways of knowing and doing. Participants will be introduced to a variety of strategies and practices that link home, school, and community experiences that nurture and foster students' strengths and accomplishments. This course will emphasize the creation of classroom environments that are affirming, respectful and intellectually rigorous. (3 credits)

ED.880.613 Teaching, Learning and Leadership for Successful Urban Schools

This course will examine the principles, policies, and practices of leadership and instruction that promote effective schools. Students will be exposed to the Effective Schools Correlates, the principles of the Coalition of Essential Schools, and numerous efforts on the local and state and federal level designed to improve the quality of education particularly as those practices and policies affect urban student achievement. Students will weigh the traditional patterns of teaching, learning, and governance with current federal, state, and local standards and new evidence-based, collaborative practices. Emphasis will be placed on examining models and methodologies currently in use in Baltimore City Public Schools and other local metropolitan areas. Students will use this research and knowledge as a basis for selecting effective methods that could be adapted to their particular setting. (3 credits)

ED.880.615 School, Family and Community Collaboration, Part I

Based on numerous studies that demonstrate the importance of parents and communities being involved in children's education, this course seeks to improve communication and partnership among all constituents. In this course, students will investigate those practices and policies that have demonstrated successful coalitions; design activities to engage, equip, and empower families and communities to become active partners in school improvement efforts; identify resources that promote advocacy for policies that allow schools to become welcoming and affirming centers for community and family engagement; and learn and use positive means of communication to improve relations among schools, families, and communities. (3 credits)

ED.880.617 Urban School Reform

This course examines systemic school reform movements in the urban school context. School reform occurs at many different levels, from the classroom level with individual teachers, to the national level with federal mandates. We will explore reform at different levels and analyze the theory, policies, practices, and controversies of various mechanisms of reform, including the K-8 movement, small high schools, school choice (charters and vouchers), mayoral control, merit-pay, and alternative routes to teaching. Participants will synthesize information about school reform in urban

schools and systems and will reflect on their role in this process. Final evaluation of reform strategies will be grounded in the effect these reforms are having on improving learning for all students in urban schools. (3 credits)

ED.880.619 Foundations of Online Teaching and Learning

This course will provide a research, theoretical, and practical foundation to online teaching and learning. Participants will engage in collaborative inquiry regarding the field of distance learning, resulting in the ability to address common assumptions about online learning, cultural competence in online learning, and ethical issues. Participants will be able to distinguish an effective online learning experience for adults and create criterion for selection, implementation, and integration of an online learning tool or application. (3 credits)

ED.880.621 Facilitating E-Learning for Adults

This course will explore concepts of teaching online that make an impact on instructional effectiveness and build community and collaboration among learners, with consideration of cultural competence and participant diversity. Participants will experiment with emerging web-based technologies, and gain strategies for promoting learner engagement and motivation. Through modeling, authentic scenarios, feedback, and ongoing reflection, participants will have the capability to effectively facilitate asynchronous and synchronous online learning experiences and support the managerial, social, and technical aspects of online instruction. (3 credits)

ED.880.623 Instructional Design for Online Learning

This course will guide participants through a process of designing online instruction for adult learners, applicable for a variety of content areas and settings. Building upon a research-based instructional design model, participants will plan online learning experiences that combine pedagogy, organization, design, and technology. Participants will be able to design media-enhanced, engaging online activities and assess learning. (3 credits)

ED.880.624 Evaluation and Research in Education

This course is an introduction to research design and methodology for students working toward a master's degree or graduate certificate within the School of Education. It enables students to design a research project proposal while developing the intellectual tools needed to critique research within a designated area of specialization. This seminar will be invaluable for students who will be completing an action research project or master's thesis as a requirement for graduation. (3 credits)

ED.880.625 Online Education Administration

and Evaluation

Participants will apply learning from program coursework in an individualized culminating project. Participants will design and deliver an online learning initiative that incorporates research-based principles for effective teaching and learning for adults. To measure the effectiveness and impact of the online learning initiative, participants will develop and implement an evaluation plan and engage in ongoing critical reflection. (3 credits)

ED.880.627 Capstone in Online Teaching and Learning for Adults

Participants will apply learning from program coursework in an individualized culminating project. Participants will design and deliver an online learning initiative that incorporates research-based principles for effective teaching and learning for adults. To measure the effectiveness and impact of the online learning initiative, participants will develop and implement an evaluation plan and engage in ongoing critical reflection. (3 credits)

ED.880.629 Evidence-Based Teaching

This course prepares participants for leadership in education through translation of the best available evidence and application of research into educational practice. Students will develop the skills and knowledge needed to review and synthesize the strength of evidence available, and recommend educational practice changes if indicated. Topics include: a review of the research process, research critique, rating and synthesizing the strength of evidence, decision-making for educational practice in the health professions, and research and research translation opportunities. Participants will add relevant content to their professional portfolio through this course (3 credits)

ED.880.631 Ensuring Learning through Assessment and Feedback

This course prepares participants to demonstrate their ability to build an educational experience from the perspective of assessing student learning achievement. They will review the literature on assessment and examine the processes to align learning goals and objectives with corresponding learning experiences, assessments, and scoring guides. In addition, they will examine the use of formative and summative feedback to monitor and evaluate learning. Moreover, they will explore approaches to providing feedback and will engage in scenarios to practice and evaluate its use. Finally, participants will critique and evaluate approaches to assessment and feedback in health profession settings. Artifacts from course activities will be posted in participants' professional portfolios. (3 credits)

ED.880.633 Curriculum Development

In this course, participants will propose a curricular project in health professions education, which will be

documented in their professional portfolio. They will learn and apply six steps to curriculum development: problem identification and general needs assessment, targeted needs assessment, writing goals and specific measurable objectives, choosing educational strategies, implementation, and evaluation. Educational methods include readings, mini-lectures, interactive web modules, discussion groups, and application exercises. The course also addresses issues related to curriculum maintenance and enhancement and dissemination of curriculum-related work. (3 credits)

ED.880.635 Instructional Strategies I

In this course, participants will learn about various instructional strategies to enhance interdisciplinary learning experiences in health professions education. Instructional methods will include such collaborative educational models as small and large group teaching, team-based, interactive and experiential case-based learning. Techniques will include the use of simulations, as well as teaching at the bedside with a focus on educator behaviors that stimulate achievement of learners. With an appreciation of the diversity of the student body, participants will effectively integrate and apply technology into instruction to develop and deliver health professions curricula, including web-based teaching environments, content management systems, collaborative project development, and interactive media with an emphasis on instructional design advancements which affect the learning environment. Evidence of participants' knowledge and application of course topics will be captured in a professional portfolio. (1 credit)

ED.880.637 Instructional Strategies II

In this course, the principles underlying the assessment and teaching of adult learners will be applied to classroom and clinical settings in both academic and practice environments. Selected learning style models and technology integration strategies will be examined. Emphasis is placed on the selection and application of practical teaching strategies to diverse learners. Specific teaching skills will be analyzed for their applicability to specific methodologies, settings, and learners. Course related reflections and products will be posted in participants' professional portfolios. (1 credit)

ED.880.639 Development, Management, and Evaluation of Health Professions Education Programs

In this course participants will demonstrate their ability to implement a systemic approach to program development and evaluation. They will review the literature on program effectiveness and examine the components that contribute to success. They will also approach program development from the perspective of its critical components—population characteristics, needs assessment, content, logistics, instructional formats, implementation, assessment, and evaluation using quantitative and qualitative methods. In addition, participants will incorporate a continuous process of

program improvement that includes closing the loop by analyzing information on student performance, stakeholders, trends, and funding to identify changes that will enhance the effectiveness of the program. Course products and reflections will be highlighted in a professional portfolio. (3 credits)

ED.880.641 Leadership in Health Professions Education Programs I

Leadership extends beyond management and involves multiple skills. This course addresses: 1) different theories of leadership; 2) self and time management; and 3) leadership of people, including hiring and staffing programs, communication and marketing of ideas/plans, motivation, use of power and influence, delegation and empowerment of others, promoting collaboration, leading and participating in teams, negotiation and conflict management, and integrating diverse backgrounds and perspectives. Participants will develop an understanding of their preferred leadership style through a variety of assessment instruments and create an individually tailored leadership development plan that will be placed in a professional portfolio. (3 credits)

ED.880.642 Leadership in Health Professions Education Programs II

Leadership extends beyond management and involves multiple skills. This course addresses: 1) organizational change theory and the leadership of change; 2) leadership of tasks/processes/systems (including principles of task management and the use of strategic planning, quality improvement, policy/procedure and data to achieve organizational goals and promote efficiency); and 3) resource management and creation (including financial management, fund raising, alignment of resource use, and development with function and goals). (3 credits)

Note: Open only to students admitted to the Master of Education in the Health Professions program.

ED.880.643 Mentoring in Health Professions Education Programs

This course will provide an organizational approach to managing and evaluating faculty development and mentoring opportunities, as a means of helping all faculty members realize their potential and achieve their goals and of achieving diversity in leadership. It will review the literature on faculty development and mentoring. Participants will develop the knowledge and skills needed to address specific areas such as orientation of new faculty; policy and procedures to promote faculty development and access to quality mentoring; educational sessions and programs to address teaching methods and educational technology; promotion of research and scholarship in education; and identification of resources needed to facilitate excellence in teaching. Participants will develop their own faculty development

plan for a relevant part of their own institution. (3 credits)

ED.880.647 Professional Development Projects in Health Professions Education

This year-long 3-credit course is a requirement for the Master of Education in the Health Professions specializing in the Educational Leadership/Professional Development track. Participants apply principles learned in courses in curriculum development, teaching, assessment, and adult learning by designing, implementing, evaluating, and writing up a professional development project in health professions education leadership. Degree candidates work with an adviser with experience in professional development and adult learning toward the end of the post-baccalaureate certificate program or upon entering the master's degree program. The adviser helps the candidate choose a meaningful and achievable project. Participants have the option of identifying an additional mentor at their home institution. Educational methods include regular meetings with advisers, periodic deadlines for achieving interval work, capturing reflections and artifacts in a professional portfolio, and an end-of-program oral abstract presentation and paper. Participants may use their professional development projects in application exercises during courses in teaching, assessment, and curriculum development methodology. (3 credits)

ED.880.649 Research Projects in Health Professions

This year-long 3-credit course is a requirement for the Master of Education in the Health Professions specializing in the Educational Research track. Participants apply principles learned in courses in research methodology by designing, implementing, presenting, and writing up a research project in health professions education. Degree candidates are assigned a Johns Hopkins mentor with experience in educational research toward the end of the post-master's certificate program or upon entering the master's degree program. The mentor helps the candidate choose a meaningful and achievable project. Participants have the option of identifying an additional mentor at their home institution. Educational methods include regular meetings with mentors, periodic deadlines for achieving interval work, capturing reflections and artifacts in a professional portfolio, and an end-of-program oral abstract presentation and paper. Participants may use their research projects in application exercises during courses in research methodology. (3 credits)

ED.880.661 Educational Scholarship: Design

Participants will develop a proposal for a project in educational leadership or for a study in educational research. They will incorporate their learning from previous courses in the program to outline the study and to begin a preliminary literature review. Participants will create a case to support the need for and contribution of their proposal. The proposal will be further developed in

the Educational Scholarship: Implementation course. (1 credit)

ED.880.662 Educational Scholarship: Implementation

Participants will continue the development of their proposals begun in the Educational Scholarship: Design course. With feedback from mentors and the instructor, participants will research appropriate methodologies as possible venues for the study. They will finalize the proposal and submit for review by the instructor and faculty team. Proposals must be approved in order for participants to proceed with the completion of the master's degree. Participants in the certificate program will implement their proposals as an educational project (1 credit)

ED.880.665 Mixed Methods Research

Participants will examine the nature of mixed methods research including definitions and applications to research questions. They will explore its foundation and review of various designs. Through the course they will be able to introduce mixed methods research to their own research questions and to describe appropriate approaches to data collection, analysis, and interpretation. They will demonstrate the ability to write and evaluate mixed methods research. (3 credits)

ED.880.667 Applied Statistics

This course covers some of the core statistical techniques used in research and analysis. It is targeted to graduate students with limited prior experience in statistics but a willingness to learn statistical concepts and an enthusiasm for quantitative data analysis. The course will cover several techniques for describing data, estimating attributes of populations, and hypothesis testing. Some time will be spent reviewing and understanding analysis implications, assumptions, and challenges when using different levels of measurement. The course will also discuss ANOVA, as well as predictive modeling with a particular focus on the role of regression (continuous and dichotomous dependent variables) in data analysis.

The core of the course is the application of statistical concepts covered—it will not focus on the mathematical and statistical computations behind the various techniques. The best way to learn this material is by working through examples and assigned problems, as well as reviewing the literature using the different approaches. Consequently, students will complete problem sets using SPSS, write a data analysis proposal, and submit an article critique. These assignments aim to connect the concepts discussed in class with the tools of data analysis in practice. (3 credits)

ED.880.830 Graduate Project in Interdisciplinary Studies

Students of demonstrated ability with special interest in interdisciplinary projects study under the direction of a faculty member in the School of

Education. Students must meet with their faculty adviser and prepare an outline of their proposed project prior to registration. (3 credits)

ED.881.610 Curriculum Theory, Development, and Implementation

Students examine curriculum theory through philosophical, historical, and sociological perspectives and apply course content to contemporary curriculum issues. Topics include aligning instruction with state and school district curricula and modifying curricula to meet individual learner needs. Students also explore effective strategies for implementing curriculum changes. (3 credits)

ED.881.611 Action Research for School Improvement

Students explore the role of the educator as an action researcher, with special emphasis on formulating and refining research questions as well as on selecting appropriate methodologies for classroom or school-based research. Students review research as a tool for assessing and improving teaching/learning environments. (3 credits)

ED.881.621 Effective Schools and Effective Instruction

Participants review recent research on effective schools and effective instructional techniques. Additional topics include strategies for implementing relevant research findings and implications for administrators, supervisors, and teachers. (3 credits)

ED.881.622 Advanced Instructional Strategies

Students review recent research on effective instruction and explore advanced classroom strategies and techniques designed to enhance their effectiveness in meeting the needs of diverse populations of learners. Examples include direct instruction, cooperative learning, dimensions of learning, creative problem solving, and applications of technology to thinking and learning. Students develop expert teaching skills and learn to diagnose and deliver instructional strategies that are most appropriate in specific circumstances. (3 credits)

ED.882.511 Human Growth and Development: A Lifespan Perspective

Students consider an overview of the physical, social, and emotional aspects of human development throughout the lifespan. The course considers developmental theory and reviews current areas of research. (3 credits)

ED.882.524 Education of Culturally Diverse Students

Participants analyze recent research related to the education of culturally diverse children and youth and explore case studies of successful minority education programs. The course focuses on understanding the

interrelated roles of the school, the family, and the community in addressing the educational needs of culturally diverse children and youth. (3 credits)

ED.882.640 Strategic Systems Change and Action Planning

Education leaders, public and private, need to understand the structures for teaching, learning, and managing the school and/or organizational environment. These structures include organizational visioning and action planning, budgeting and finance, and the leadership skills that incorporate instructional design, curriculum integration with standards, and logistics of technology implementation, professional development, and evaluation. This course is designed to introduce knowledge management concepts into an organizational or educational context and to provide an in depth focus on data-driven decision making in organizational and educational institutions. Participants will develop an understanding of how to create and support change through a systems approach. (3 credits)

ED.882.641 Entrepreneurial Education Leadership

This course engages the learner in understanding leadership traits and behaviors, particularly entrepreneurship, and the need for entrepreneurial leadership in educational organizations. Readings, discussions, and examples will support the development of knowledge about leadership, entrepreneurial thinking, learning and innovation. By developing a keen awareness of the competencies associated with entrepreneurial education leadership at the individual, group, and organizational levels, the learner will create a leadership strategy to address their own educational leadership challenges as they continue the work of self-directed leadership development. (3 credits)

ED.883.506 Alternative Methods for Measuring Performance

Participants explore practical classroom assessment methods that promote and measure learning. The course concentrates on performance-based assessments, including performance tasks, portfolios, and scoring rubrics. Students plan and develop performance-based assessments which require the thoughtful application of knowledge and skills in authentic contexts. (3 credits)

ED.883.510 Understanding Educational Research

Participants explore the processes and approaches to research in education. Students critique published research studies and examine both quantitative and qualitative research methodologies. Class members conduct a computerized literature search and prepare a research review in their respective areas of concentration. (3 credits)

ED.883.601 Basic and Inferential Statistics

This course is designed as an introduction to basic

descriptive and inferential statistics. Topics will include the summary and analysis of data using graphs, measure of central tendency, simple regression, correlation, t-tests (independent and dependent), and Analysis of Variance (ANOVA). Emphasis will be placed on the theoretical understanding of the statistical concepts and analyses will be described in class but accomplished using Stata software. (3 credits)

ED.883.602 Applied Multiple Regression Analysis

This course extends materials covered in course ED.883.601 Introduction to Basic and Inferential Statistics to further explore multiple regression. (3 credits)

ED.883.710 Quantitative Research Methods

Students prepare to conduct research in the behavioral sciences, particularly descriptive, correlational, experimental, and quasi-experimental research designs. Participants develop a research proposal in their respective areas of concentration. (3 credits)

ED.883.711 Qualitative Research Methodology I

Students are introduced to qualitative research methodology and designs in education. The theory and principles of observational research techniques and interpretative methodology are examined. Students are assisted in identifying components of qualitative research to look at patterns and relationships between subject and variables in a natural setting. (3 credits)

ED.883.718 Research Methods and Systematic Inquiry I

This is the first in a two-course series designed to teach students the skills necessary to design mixed methods research focused on problems of practice. The course is structured to introduce students to mixed methodology while focusing on quantitative methods, including conceptualizing and identifying problems of practice. The course is based on the premise that research develops and evolves through an iterative process. This research process requires analysis, decisions, judgments, and careful consideration of alternatives. The goals for the class include a greater comfort in reading, reviewing and critiquing educational research, increased understanding of the various designs for research in educational and related fields, especially mixed methods research design. Students will design a research project related to a problem-of-practice within the students' organizational context as partial completion of Year 1 comprehensive assessments. (3 credits)

ED.883.719 Research Methods and Systematic Inquiry II

This is the second in a two-course series focused on mixed methodology research. In this course, students

continue deepening their understanding of mixed methods research through course readings, discussions, and assignments. Students will be encouraged to explore, critique, design, and conduct mixed methods research with a focus on qualitative research methodology. This course covers key strategies of qualitative inquiry, common qualitative methods (e.g., observational research techniques and interpretative methodology), and elements of effective qualitative research proposals. Students will design a research project related to a problem-of-practice within the students' organizational context as partial completion of their Year 2 comprehensive assessments. (3 credits)

ED.883.721 Evaluation of Education Policies and Programs

This course is intended to provide an overview of key elements and topics related to program and policy evaluation and research. Students will become familiar with types of evaluation and their purposes, including their role in research and development and program improvement. The course will also cover developing researchable questions and problem identification, logic models and program theory, threats to validity, experimental and quasi-experimental designs, qualitative and mixed methods designs, ethics, and cost-benefit analysis (3 credits)

ED.883.795 Dissertation Research Seminar

Doctoral students critique dissertation proposals, chapters, and instruments at different stages of the research process. The final critique is a mock oral examination, which prepares the individual student for the actual dissertation defense. (3 credits)

ED.883.849 Dissertation Research

Doctoral students prepare the dissertation proposal and conduct research under the direction of the appropriate research committee in the School of Education. Written approval of the proposal must be received from the major adviser prior to registration. (3 credits)

ED.884.500 Introductory Processes and Acquisition of Reading

This course is intended for students seeking initial teacher certification at early childhood and elementary levels. Participants examine the processes of language and reading development, including the impact of phonemic awareness and how the brain responds to reading acquisition. This course provides an introductory foundation for further study of specific strategies, materials, and assessment techniques in reading instruction. (3 credits)

ED.884.501 Advanced Processes and Acquisition of Reading

This foundation course provides a basis for graduate study of instructional reading strategies, literacy materials, and assessment approaches in K-12 reading

education. Students examine scientifically based reading research; linguistic, psychological, and sociocultural theories and factors related to reading acquisition; and how various theories are applied to classroom reading practices. Topics include phonemic awareness, phonics and spelling, vocabulary development, text structure, fluency, and reading comprehension. (3 credits)

ED.884.502 Diagnosis/Assessment for Reading Instruction

Students in this course learn approaches for assessing and addressing the reading abilities and needs of children. Course activities include the examination of learner characteristics and implications for appropriate reading instruction. Students study and analyze a broad selection of formal and informal assessment techniques and instruments, their application to reading instruction and classroom practice, and strategies for effectively communicating relevant information to parents, educators, and other professionals about children's reading performances. (3 credits)

ED.884.505 Materials for Teaching Reading

Students in this class develop ways to evaluate and select appropriate materials for classroom reading instruction. Course activities include reviews of commercially produced reading programs, children's literature, remedial materials, and the use of appropriate and culturally sensitive instructional approaches for teaching diverse student learners. Materials are evaluated in relation to current research, developmental and cultural appropriateness, and student interest and motivation. (3 credits)

ED.884.507 Instruction for Reading

Students in this course study how reading research is applied to the various methods, strategies, and techniques of elementary classroom reading instruction. Emphasis is placed on developing expert knowledge in teaching phonics, word recognition, vocabulary, reading comprehension strategies, organization, and study skills related with reading and academic achievement. Participants explore strategies for differentiating instruction to address the wide range of reading abilities and cultural experiences found in classrooms. (3 credits)

ED.884.508 Methods of Teaching Reading in the Secondary Content Area, Part I

Students in this course learn methods for developing effective reading skills and strategies that lead to student academic achievement. The course emphasizes teaching reading strategies for secondary students that can be applied across the content areas. Emphasis is placed on advanced vocabulary learning, reading comprehension, study skills, and critical reading. Participants in the class also explore strategies for differentiating instruction to address the wide range of reading abilities and cultural experiences found in classrooms. (3 credits)

ED.884.510 Methods of Teaching Reading in the Secondary Content Area, Part II

Participants extend the methodology learned in Content Reading I to include applications in the classroom, with connections to assessment and informal diagnostic work done by content classroom teachers. Development of a classroom learning community, uniting theoretical, diagnostic, and instructional structures with carefully selected materials, is the goal of this course. Additionally, participants extend skill building related to reading across other language areas, such as writing, speaking, and listening, and throughout content areas. Discussion includes adult literacy, ESOL and reading in content classrooms, and organizational/study skills in preparation for employment and higher education. (3 credits)

ED.884.604 Emergent Literacy: Research into Practice

This course addresses in-depth instructional issues involving emergent literacy processes. Topics include the application of current literacy theory to alphabets, word identification, and word study strategies for classroom instruction; designing and providing authentic early literacy experiences and literacy-rich environments; and strategies and methods for storytelling and in developing contextual oral reading fluency. (3 credits)

ED.884.610 Advanced Diagnosis for Reading Instruction

This course advances and refines the knowledge of students about advanced diagnostic processes in determining reading difficulties and designing appropriate and related interventions. Case study and small group collaboration are used to develop students' abilities to integrate data from multiple sources, generate diagnostic profiles, and make instructional recommendations. Students learn to administer standardized and criterion-referenced assessments and about the principles, philosophies, and strategies of effective remedial approaches. (3 credits)

ED.884.612 Teaching Reading and Writing in the Content Areas to ESL Students

The reading process for speakers of other languages is examined so that participants are able to provide a variety of instructional, cognitive, motivation, and study skill strategies. Technology instruction is addressed for teaching ESL students Internet skills, as well as other computer applications to enhance reading and writing skills. Participants become familiar with the English Language Arts Content Standards, the Core Learning Goals, and their relationship to ESL Content Standards. (3 credits)

ED.884.615 Cross-Cultural Studies in Literacy

Students in this class investigate how culture, language, school and out-of-school literacy experiences, and education policy influence student attitude,

learning, and content area knowledge. Participants evaluate multicultural literacy research, curriculum, literature, and new literacies, and how social and cultural factors contribute to daily classroom literacy instruction and everyday life. The course emphasizes creating democratic and culturally sensitive learning environments. (3 credits)

ED.884.617 Children and Adolescent Literature

This course examines in-depth instructional issues involving multiple genres of children and adolescent literature. Topics include the examination of text structures in informational, expository, and narrative materials; effective identification and selection of instructional and independent level texts for student reading; developing awareness of literature about, and resources related to, culturally diverse groups in the United States; understanding self as a reader and to use that understanding to inform teaching practices, engagement and motivational issues related to text instruction and selection; and how digital literature can be used in classroom instruction. (3 credits)

ED.884.620 Seminar in Reading: Roles of the Reading Specialist

Students in the final year present and evaluate their projects and plans for addressing the needs of students at all levels of reading ability in their classrooms, schools, and school districts. In addition, participants examine selected topics and issues in reading instruction. (3 credits)

ED.884.642 Linguistics for Teachers

This course acquaints teachers and other reading professionals with aspects of linguistic theory that apply in elementary and secondary classrooms. Emphasis is on a thorough, research-based understanding of phonology, morphology, semantics, syntax, and pragmatics. Students learn ways to use the information to strengthen existing reading and language arts instruction. Issues of cultural diversity, second language learning, and developmental issues of language are covered in this interactive format. (3 credits)

ED.884.701 Reading Comprehension and Critical Literacy

Building on the instructional strategies and skills of earlier coursework, this advanced graduate course examines classic and contemporary research and theory in reading comprehension and critical literacy and how these dimensions and processes are applied to literacy education. During the course, students learn to explore and appreciate the diversity of literacy research perspectives, and to learn to think and write critically and analytically about research, literacy education policy, and practices that influence and are used in classroom education. These topics are overlapped by advanced instructional methods and strategies for teaching students reading comprehension and critical literacy skills and dispositions. (3 credits)

ED.884.703 Seminar in Adolescent Literacy Education

This course provides opportunities for students to explore the latest research, theory, and literacy education practices for adolescents in a seminar format. Topics include novel and useful technologies, motivating reluctant readers, and cultural and linguistic diversity in adolescent literacy education. (3 credits)

ED.884.810 Supervised Clinical Practicum I for Reading Certificate Students

The practicum for advanced reading education certificate students is a capstone experience of students enrolled in reading certificates. Candidates demonstrate abilities to translate literacy education research into practice. The overarching intent of Practicum I is to develop literacy education leaders while refining candidates' knowledge and applications of research. Coursework centers on actual work with children and allows candidates to provide evidence of their mastery of reading education skills and strategies. (3 credits)

Note: Candidates must complete at least 12 credit hours of designated Reading graduate level coursework in their JHU program of study to take this course. Reading courses are designated beginning with "884".

ED.884.811 Supervised Clinical Practicum I for Masters in Reading Candidates

This first practicum is a midpoint program experience of Reading Specialist candidates. Candidates demonstrate abilities to translate literacy education research into practice. The overarching intent of Practicum I is to develop literacy education leaders while refining candidates' knowledge and applications of research. Coursework centers on actual work with children and allows candidates to provide evidence of their mastery of reading education skills and strategies. (3 credits)

Note: Candidates must complete at least 12 credit hours of designated Reading graduate level coursework in their JHU program of study to take this course. Reading courses are designated beginning with "884".

ED.884.820 Supervised Clinical Practicum in Reading II

This second practicum is a capstone course that builds on all previous program coursework and especially the pre-requisite Seminar in Reading: Roles of the Reading Specialist course. Work concentrates on developing effective reading specialist and literacy coaching qualities and skills, facilitating change in school communities, and fostering teacher growth and student achievement. A strong emphasis of the course is on job-embedded professional development. Candidates deliver demonstration lessons and lesson

planning assistance to teachers and conduct professional development workshops in school settings. The practicum allows candidates to provide evidence of their mastery of particular IRA leadership/reading specialist standards. (3 credits)

ED.884.850 Clinical Practicum in Writing and Other Media

Reading and writing printed texts have been, by tradition, interconnected processes. In the Digital Age, other media, such as still and moving images and audio texts, increasingly coexist alongside printed texts. During this practicum experience, candidates examine current issues involving the communication shifts that are occurring in the 21st century. Using digital literacies, writing, and object-centered multimedia ideas and instructional approaches, candidates work with teachers and students in designing, producing, and using new and traditional literacies to best prepare themselves and others for advancing technologies and practices that are changing the ways that people communicate and network. (3 credits)

ED.885.501 The Gifted Learner

Students survey a historical overview of gifted education and examine research literature, intelligence theorists, and current practices used with gifted learners to gain perspective on the academic, social, and affective nature and manifestations of giftedness. Special needs populations are examined for unique characteristics and needs to further support the premise of a diverse gifted audience. Emphasis will be placed on gifted learning characteristics as they inform identification, planning, and support strategies. Participants explore the potential role they play in working with gifted youth, alternate placement opportunities, and the identification process through case studies. (3 credits)

ED.885.505 Creativity and Critical Thinking

Participants examine the psychological and educational aspects of creative thinking. Participants review studies of the characteristics of creative children and adults, the creative process, and the identification of potentially creative children and adolescents. The course introduces teaching strategies and curriculum materials for fostering creative behavior in all subjects at both the elementary and secondary school levels. Participants will review studies of creative people and teaching strategies that foster creative behavior. Strategies for teaching higher level critical and creative thinking will be explored and practiced. (3 Credits) (3 credits)

ED.885.510 Curriculum, Assessment, and Instruction for Gifted Learners

Students explore the various approaches to differentiating curriculum, instruction, and assessment for gifted students. Strategies and techniques that are supported by research and best practice are discussed and analyzed. Comparisons of existing programs, theories, concepts, and ideas related to instructional

programs for gifted students are encouraged. Students design interventions for translating theories about gifted education into practice in their personal workplaces. (3 credits)

ED.885.512 The Gifted/ Learning Disabled Learner

Participants review recent research-based findings into identification and programming for the gifted child with learning disabilities. Participants consider appropriate strategies and teaching techniques for the remediation of difficulties, as well as the development of enriched content and accelerated and innovative approaches for maximization of potential in areas of giftedness. (3 credits)

ED.885.514 Introduction to Gifted Education

Students survey the national, state, and local roles, policies, and program standards for gifted education. Learner behaviors and characteristics are examined and methods of identification are reviewed. Service delivery systems and program options for multiple settings are considered, along with instructional models and strategies. Emerging trends in identification and instruction are discussed. (3 credits)

ED.885.515 Program Development and Assessment in Gifted Education

Students will consider all the parts of a successful system-wide program for gifted and talented students. Emphasis will be on finding and serving diverse populations, using various assessment methods to identify and place students in a gifted program, monitor progress, and measure value added for students. (3 credits)

ED.885.516 Introduction to Gifted Education

Students explore the role of the educator as an action researcher, with special emphasis on formulating and refining research questions as well as on selecting appropriate methodologies for classroom or school-based research. Students review research as a tool for assessing and improving teaching/learning environments. (3 credits)

ED.885.519 Seminar in Gifted Education

Students will explore current issues in gifted education at the local and national levels, including ways to advocate for gifted and talented programs and services, how to find and use current research, and the roles of a leader in the field. (3 credits)

ED.885.604 Social and Emotional Needs of the Gifted

Participants will examine the unique social and emotional needs of gifted and talented learners and their families. Primary emphasis will be on consultation, guidance and counseling strategies for use with diverse gifted learners including those from special populations. (3 credits)

ED.885.820 Practicum in Gifted Education

Students participate in a supervised practicum experience in an educational setting under the direction of the faculty. Individual assessment sessions are held. Students must receive written approval at least two months prior to registration. (3 credits)

ED.887.611 Understanding Human Behavior and Helping Relationships, Part I

This course provides an introduction to the various helping professions that are available to support teachers in their work with students, including school counselors and clinical mental health counselors. The differences between these helping professions and services provided through special education will be discussed. The course addresses various approaches to helping students, as well as means for collaborating with helping professionals, consulting with other school leaders, and counseling students. Finally, students will learn how to use data in making decisions about how best to address socio-emotional issues so as to promote academic achievement. (3 credits)

ED.887.612 Understanding Human Behavior and Helping Relationships, Part II

Building on the information presented in Understanding Human Behavior and Helping Relationships, Part I, this course examines ways of assisting with emotional disorders that teachers may face in the classroom. The main focus of the course is on recognizing the signs of these disorders and working with the school counselor to support children with these diagnoses in the classroom setting. General school issues such as bullying and abuse prevention will also be covered. (3 credits)

ED.887.615 Explorations in Mind, Brain, and Teaching

During the past decade the learning sciences have produced a vast frontier of knowledge on how the brain processes, stores, and retrieves information. Educators have increasingly recognized a role as consumers of this emerging knowledge. Participants in the course will review this research, examining how it intersects with the correlates of a model of research-based effective teaching, including the teaching of the arts across content areas. Topics of study will include the brain's memory systems, the impact of emotions on learning, the processes involved in higher order thinking and learning, and issues related to child development. Participants will apply course studies to the creation of learning units that emphasize application of knowledge and the integration of the arts. (3 credits)

ED.887.616 Fundamentals of Cognitive Development

This introductory course surveys theoretical and empirical work in the study of cognitive development. A variety of methodological approaches are addressed,

with a focus on cognitive processes related to learning. The course proceeds from behaviorist, cognitivist, and sociocultural perspectives of the early and mid-20th century to recent and ongoing research in the neuro- and cognitive sciences. Topics include the development of language, motivation, and intelligence, as well as the acquisition of skills and concepts related to mathematics, reading, writing, and problem-solving. Implications for education are considered. (3 credits)

ED.887.617 Neurobiology of Learning Differences

This course is intended to prepare educators with information about how differences and disabilities in brain development impact the abilities of school-aged children and adolescents to participate in instructional activities. Particular attention is given to autism spectrum disorder (ASD), specific learning disabilities (SLD), attention deficit disorder and attention deficit disorder with hyperactivity (ADD and ADHD), and psychiatric disorders that are found in the constellation of disabling conditions identified as emotional disturbance (ED). The course will include case studies of students with each disabling condition, with a focus on how the disability affects learning, the current status of imaging technologies, and the current uses of medications for assisting students in school settings. Students taking this course will review research and link information from lecture to the creation of an instructional unit demonstrating knowledge of how a disabling condition can be accommodated in school. (3 credits)

ED.887.618 Cognitive Processes of Literacy & Numeracy

This course is designed to offer students an opportunity to study, discuss, and explore aspects of brain function that influences learning, remembering, and utilizing textual and numeric concepts. The inter-relationship of developmental factors, prior knowledge, instructional design and implementation, and assessment mandates will be investigated and discussed. Current research, differentiated strategies, technologies, and the impact of disabilities will be included. (3 credits)

ED.887.619 Special Topics in Brain Sciences

This capstone course addresses specific topics in brain research and encourages the participants to apply research to inform instructional practices. (3 credits)

ED.892.560 Assistive Technology for Educating Individuals with Low Incidence Disabilities

(Lab course) Participants explore a wide range of assistive technology applications for children with disabilities. Students consider needs based on the type of disabling condition, such as physical, cognitive, sensory disabilities, or multiple complex needs, as demonstrated by children with pervasive developmental disorders such as autism. Exploration of technology emphasizes the integration of assistive technology into effective

instructional practices that improve learning research on best practices for the implementation of technology-based solutions. (3 credits)

ED.892.562 Access to General Education Curriculum with Technology Accommodations

(Lab course) Class members investigate student characteristics, the collaborative role of educators, and strategies for differentiating instruction for students with learning disabilities within the general education environment. Participants examine universal design for learning strategies and technologies to enhance student participation in educational programs. (3 credits)

ED.893.508 Technology and the Science of Learning

New technologies are part of the intellectual landscape in which new kinds of knowledge are breaking down the boundaries of previous distinct disciplines. The design and use of new technologies make possible new approaches to learning, new contexts for learning, new tools to support learning, and new understandings of the dynamics of the learning process itself. This course examines the role of technology relative to the key concepts of active learning, metacognition, and transfer of knowledge from multidisciplinary perspectives on learning. Based on the new science of learning, students will develop and implement technology-related strategies that align instructional technology to standards-based instruction, teach problem solving and higher-order thinking skills, promote cooperative learning, and use reflective teaching and inductive approaches to increase student achievement. (3 credits)

ED.893.515 Hardware, Operating Systems, and Networking for Schools

Students in this hands-on course will examine major computer hardware, operating systems, and networking used in educational settings and address issues related to computer ethics and network security. Topics include system architecture, central processing unit capacities, communication standards, storage mediums, features and functions of operating systems, applications of electronic mail and databases, and the fundamentals of networking and the uses of classroom computers connected to local area networks and wide area networks. Students learn how to design, manage, and evaluate a variety of hardware configurations for individualized access to computing in labs, classrooms, and media centers. (3 credits)

ED.893.545 Integrating Media into Standards-Based Curriculum

Participants explore the possible ways technology can be integrated into the core standards being developed on a national level. Technology-enhanced progress tracking, evaluation, and measurement tools are explored from both a hardware and software perspective. Online resources utilized to enhance curriculum and

classroom learning are investigated, evaluated, and discussed in an open forum. Students explore untapped technology resources and work collaboratively to develop instruction that utilizes technology in the K-12 classroom. (3 credits)

ED.893.550 Emerging Issues for Instructional Technology

This course will provide students with an overview of emerging issues in instructional technology. Participants will be exposed to emerging issues for Internet-based education, including captology, digital libraries, data mining, and the use of neural networks for enhancing instructional delivery by bringing information to teachers, working with meta-tagging and objects in virtual Web-based environments, and using data as a base for making instructional decisions in schools respectively. (3 credits)

ED.893.563 Multimedia Tools for Instruction

Students examine applications of multimedia, including video image capture and multimedia production tools. Students investigate storage issues, standards, security, networking capabilities, data compression, animation, and incorporation into existing applications. Participants develop projects that integrate multimedia applications into effective instruction. (3 credits)

ED.893.601 Evaluation and Research of Technology Supported Interventions and Programs

In this course, students learn and practice the skills necessary to evaluate the use of instructional technology in educational settings. The course covers a range of alternative and mixed methods for data collection, such as observation, interviewing, the use of surveys, and analysis of data. Students develop an evaluation plan that can be implemented in their own educational settings and demonstrates their ability to select and/or develop appropriate metrics to identify the impact of technology in the teaching-learning process. Students use empirical methods to describe, explore, and/or explain the relationships between technology and program and/or individual outcomes. (3 credits)

ED.893.628 Gaming and Media Design for Learning

This course provides an overview of the learning theories behind game and simulation design, and how emerging technologies found in the commercial gaming arena can be applied for educational effect. The past and present application of virtual environments and 3-D modeling in education will be explored, with a view toward the projected future use of these technologies to engage students in tomorrow's schools. This course brings together cultural, business, government, and technical perspectives on developing and integrating electronic gaming techniques and technologies to enhance and enrich learning. Course participants

will develop an understanding of the current trends (technical and sociological) in computer and console gaming, and what can be learned and applied from the world of gaming to positively affect teaching and learning. (3 credits)

ED.893.632 Data-Driven Decision-Making for Schools and Organizations

The increasing impact of a knowledge economy and globalization has been a catalyst to the fields of knowledge management and organizational decision-making. This course is designed to introduce knowledge management concepts into an educational context and to provide an in-depth focus on data-driven decision making in educational organizations and institutions. Participants investigate how decisions and strategies are developed, and how tacit or explicit knowledge can be identified, captured, structured, valued, and shared for effective use. Course topics include leadership and strategic management relative to organizational decision-making, managerial and organizational structures, organizational learning, and decision support systems. A related intent is to develop an understanding of data mining metrics that can be used to create predictive models that support systemic change in schools. Opportunities are provided for participants to use online and electronic tools that can assist in facilitating meaningful conversations about instruction and learning among their school's faculty and staff. (3 credits)

ED.893.634 Technology Leadership for School Improvement

Education leaders need to understand the use of technology for teaching, learning, and managing their school environment. These skills include schoolwide technology planning and leadership that incorporate instructional design, curriculum integration with standards, logistics of technology implementation, professional development, and evaluation. Students will develop an understanding of how to create and support technological change through a systems approach. Topics include sources of resistance to change, tools for planning, decision making and change, creating and supporting a culture for learning and change, and managing and institutionalizing change systems. (3 credits)

ED.893.645 Designing and Delivering E-Learning Environments

This course explores how educators use online collaborative technology tools in the classroom and in professional development so that all learners achieve at higher levels. Online collaborative tools provide a new set of technologies that focus on the social collaborative aspect of the Internet. These tools include, but are not limited to: learning management systems, wikis, webinars, image repositories, document sharing, and bookmarking tools. The collaboration and interaction aspect of these tools provide novel opportunities for K-12 students to understand rigorous

content, think critically, solve problems, collaborate, communicate effectively, and become responsible for their own learning. In addition, the infusion of online collaborative technologies into professional development allows educators the opportunity to utilize methods and strategies for effective collaboration beyond the walls of the schoolhouse. This class will introduce online collaborative tools and, together, participants will explore instructional implications, best practices, and learning activities and objectives that benefit students in the K-12 classroom setting and teachers in their professional development. (3 credits)

ED.893.701 Advanced Seminar in 21st Century Skills

The graduate seminar is the capstone course in the Technology for Educators program and reflects students' individual mastery for using technology with diverse learning populations. The seminar focuses on examining the constructs of educational technology topics and culminates in a student online presentation of his or her capstone project. These projects showcase the products and skills developed by learners during the core courses throughout the term of their academic studies. The goals of the seminar are to engage and support participants in understanding the historical, cognitive, technical, political, and sociological issues involved in the effective use of technology in education and particularly in the integration of technology into instruction. The seminar concludes for learners with an online multimedia defense of their portfolios. (3 credits)

ED.893.708 Technologies and Creative Learning

Through the latest research in learning in the computer age, this course explores how technology can support creative learning. Hennessey and Amabile (2010) state that creativity is essential to human progress. Through evidence-based research, learners will explore the computer culture and how it is shaping instruction. The age of machines is creating an identity crisis, the identity life-cycle will be explored as well as the field of human computer interaction and its effects on creative thinking. The concept of participatory culture and media education will be discussed and how they support developing digital communities of learners. We will also discuss computer-supported collaborative learning and how online communities can be catalysts for interactive media creation. We will also explore disruptive technologies, radical game design, and the new literacies in the digital age. Students will submit a final project related to design and how people create and learn with a particular technology. Part of the project is to write a theoretical or critical reflection on creative learning experiences. (3 credits)

ED.893.800 Graduate Internship in Instructional Technology

The graduate internship provides students the opportunity to individualize their program experience,

to sharpen existing skills, to gain new skills, and to pursue their technology interests. The internship is designed to produce a professional, customized learning experience that stretches the student through his/her participation in the development, design, implementation, or evaluation of high-quality technology products, projects, or services. Internships are aligned to individual student's schedules and can include collaborative opportunities with public and private sector organizations and agencies that have local, regional, national, or international interests. (3 credits)

ED.893.830 Graduate Project in Technology

Students of demonstrated ability with special interest in technology study under the direction of a faculty member in the School of Education. Students must meet with their faculty adviser and prepare an outline of their proposed project before they register for this course. (3 credits)

ED.893.850 Advanced Applications of Instructional Technology

The advanced applications course provides students the opportunity to individualize their program experience, to sharpen existing skills, to gain new skills, and to pursue their technology interests related to curriculum and professional development to support technology-based programs. Students work with their faculty adviser to create a professional, customized learning experience that stretches the student through his/her participation in the development, design, implementation, or evaluation of high-quality technology products, projects, or services. The activities in this course are aligned to individual student's schedules and can include collaborative opportunities with public and private sector organizations and agencies that have local, regional, national, or international interests. This course supports the development of leadership expertise in an area designated by the student as a set of skills needed to advance the individual in their chosen area of study and professional practice. (3 credits)

- Master of Science in Intelligence Analysis

The curricula reflect leadership, management, and liberal arts, and differ from other programs offered to public safety professionals, since the focus is not criminal justice, fire science, EMS, or an intelligence trade craft program.

This focus on leadership opens the program to community professionals in the public sector.

To strike a balance between academic instruction and extracurricular projects, students are required to complete individual and group projects on behalf of their own and other organizations, applying newly acquired skills and information to the professional work environment.

Throughout the program, many students participate in workshops and seminars led by subject-area experts, political leaders, police chiefs, fire chiefs, community leaders, business executives, military officers, and others. Students participate in field study trips such as the Gettysburg Battlefield, the United States Holocaust Memorial Museum, Arlington National Cemetery, and other historic sites in the region.

Research

The Division's reputation for conducting quality research has led to funded projects for federal, state, and local agencies. A primary focus of the Division's research is the relationship between public safety agencies and the viability and sustainability of neighborhoods. The Division provides support to local and state agencies in evaluating federally funded projects. The Division has conducted research projects on the effectiveness of the "hot spots" community programs, the characteristics of successful first-line supervisors, the effectiveness of police district and precinct commanders, counterterrorism training needs for federal transit organizations, national training needs addressing violence against women, and the feasibility of studying the efficacy of the Secure Communities immigration program.

PSL continuously pursues new avenues for research. PSL faculty and staff have been and continue to be engaged in research on school safety, transportation safety (ports and railways), campus safety, evacuation planning, identity theft, the police response to people who have disabilities, constitutional literacy, immigration, and customs enforcement.

Faculty

Renowned faculty teaches in the Division of Public Safety Leadership. The faculty includes full-time and adjunct professors from Johns Hopkins University and major organizations throughout the region. The faculty combines scholars, business leaders, and practitioners that bring a wealth of practical experience and knowledge to the Division's programs and activities. The diversity of the faculty gives a broad-based perspective to the Division's undertakings and premier role in leadership education.

DIVISION OF PUBLIC SAFETY LEADERSHIP

The Division of Public Safety Leadership's (PSL) core purpose is to develop leaders in both public safety and community public sector organizations through teaching, scholarship, and community outreach. PSL defines public safety organizations as federal, state and local law enforcement, fire and emergency, military, intelligence analysis, medical services, public health, transit, private security, and occupational safety. In addition, PSL includes community public sector organizations such as public health, housing, drug treatment centers, jobs development, education administration, small business associations, industry/community relations, community supervision, legal aid, mental health, recreation and parks, and other related organizations. Leaders and aspiring leaders from all facets of a community come together to learn, form lasting relationships, build trust, and become more effective in having greater collective, positive impact. Along with protecting life, property, and reducing and managing crime, leaders are asked to respond to increased concerns and fears, matters related to local and national security, and social conditions beyond their control. Public expectation for public safety and community services is at an all-time high. The changing role and mission of public safety and community service organizations necessitates innovative leadership approaches to providing quality service. Today's public safety and community service professionals must meet the challenges of increased scrutiny, a highly charged political environment, public demand for lasting change, shortage of qualified personnel, and leading in a constrained fiscal environment.

Programs

To respond to these and other challenges, PSL, in conjunction with public safety executives from around the country, has established several interdisciplinary programs for public safety, military, intelligence analysis, and public sector professionals. These exceptional cohort programs are recognized nationally for their quality curricula, excellent faculty, and the success of graduates.

Degree programs include:

- Bachelor of Science in Organizational Leadership (formerly Management and Leadership)
- Master of Science in Organizational Leadership (formerly Management) (online and face-to-face options)

Faculty members incorporate organizational, community, and national public safety issues through class discussion, projects, case studies, and field trips. Faculty and staff are called upon regularly to serve on national commissions, work groups, and task forces. They have served on national commissions on such topics as homeland security, intelligence, profiling, recruiting, identity theft, performance of federal agencies, technology, interoperability, transportation security, accreditation, computer crime, school safety, violence against women, and more.

Alumni

Since 1994, over 1,000 talented professionals, representing over 50 agencies, have received degrees from The Johns Hopkins University Division of Public Safety Leadership. They are an extraordinary group of individuals committed to making a difference in their professions and in their communities—and most do so while in full-time positions and raising families. Research shows that their extraordinary professional development efforts are often rewarded: after completing their course of study, over 66 percent of alumni have been promoted. Of those who have graduated, more than 75 have achieved the rank of chief of police and two have served as fire chiefs. Other program alumni have gone on to hold leadership positions in federal law enforcement agencies, the private sector, public safety research organizations, and the military.

BACHELOR OF SCIENCE IN ORGANIZATIONAL LEADERSHIP (FORMERLY MANAGEMENT AND LEADERSHIP)

The 60-credit undergraduate degree completion program provides students with a quality education and myriad opportunities to develop professionally and personally. Throughout the program, students interact with renowned leaders, both local and national, in public safety, education, government, the military, nonprofit organizations, and business and industry. Designed for those who have earned an associate of arts degree or 60 transferable credits, students must complete 60 upper-level (junior and senior year) undergraduate credits. The 60-credit undergraduate program offers a leadership-based interdisciplinary curriculum emphasizing the practical application of the ideas and skills gained in class.

Graduates receiving a Bachelor of Science (BS) in Organizational Leadership will be eligible for admission into the Master of Science in Organizational Leadership program (either the online or face-to-face option).

Program Goals

The BS in Organizational Leadership seeks to prepare students for graduate study and to realize the Division's core purpose to develop leaders in public safety and other organizations 1) through teaching, scholarship, and community outreach; and 2) by educating and graduating students in areas of particular importance to organizational leadership, including:

- Ethics and integrity
- Individual and organizational behavior
- Change management
- Communications
- Critical thinking
- Integrating technology
- Research

Program Objectives

Upon successful completion of the program, we expect candidates will have:

- Developed content mastery in organizational leadership principles and applications.
- Acquired critical thinking techniques for applying leadership principles and skills necessary to incorporate and maintain the culture of any community or organization.
- Become familiar with the challenges and opportunities of diversity in an organization, putting that mastery to good use in improving organizational culture and effectiveness.
- Acquired skills in data-based decision making, in order to make the best use of current research in organizational leadership.
- Developed the ability to integrate applied technology to meeting challenges and fostering improvement in organizations.

Curriculum

- 700.315 Logic for Leaders
- 700.303 Communication Skills for Leaders
- 700.351 Introduction to the Change Process
- 700.421 Information Resources in the Social Sciences
- 700.309 Team Building and Leadership
- 700.317 Research Evaluation: From Theory to Application
- 700.304 Values and Ethics
- 700.311 Social Problems in Contemporary Society
- 700.354 Managing Diversity
- 700.352 Quality Management
- 700.302 Theories of Personality
- 700.470 Community Development
- 700.341 Creative Thinking and Problem Solving
- 700.310 Management of Information Systems
- 700.502 Developmental Psychology
- 700.301 The Economics of Social Issues
- 700.530 Special Topics in Leadership
- 700.313 Comparative Studies in History and Politics
- 700.505 Applied Ethics, the Constitution, and Leadership
- 700.312 Management: Power and Influence

Cohort Formation and Schedule

Students in the BS in Organizational Leadership program proceed through the program in a cohort. Cohort members begin and end the program with the same group of colleagues, taking all the same courses in the same sequence. Each cohort reflects diversity

in the organization, rank, experience, gender, race, and ethnicity of its students. The cohort builds trust, breaks down traditional and long-standing barriers among organizations, and fosters the development of longstanding professional networks and friendships. The program places a strong emphasis on the learning and interaction among peers that occurs in the classroom. Attendance at each class is essential.

The BS in Organizational Leadership program is just over two years in length. Classes generally meet every other Friday and Saturday each month from 8:30 a.m. until 5:00 p.m. Holiday and summer breaks are built into the schedule.

Location of Classes

Classes are held at the Columbia Center (6740 Alexander Bell Drive, Columbia, MD 21046), conveniently located along the I-95 corridor.

Admission

Applications to the program are reviewed on a rolling basis, and those admitted will be placed into cohorts.

Requirements for Admission

Applicants to the BS in Organizational Leadership program, for the cohort beginning on August 28, 2015 must:

- Currently serve in a federal, state, or local public safety agency, intelligence agency, the military, or a public sector organization, or receive an exception from the PSL director.
- Hold a high school degree or equivalent.
- Possess an associate of arts degree from a regionally or nationally accredited college or university and have earned at least 60 transferable college-level credits with a minimum cumulative grade point average of 3.0 (on a 4.0 scale). *Note: Applicants with fewer than 60 credits should contact the program (410-516-9900) for a transcript evaluation and program plan.*
- Meet entrance criteria established by the University.
- Submit an online application, essay, résumé, dispositions survey, two letters of recommendation, and official transcripts from all accredited post-secondary institutions attended. (Academic records from non-U.S. institutions must be evaluated by an authorized credential evaluation agency.)

Interested applicants may begin the application process online at <http://psl.jhu.edu/admissions/> or contact the Division at 410-516-9900. Applicants are interviewed and an admissions committee makes the final selection of candidates.

Transfer of Undergraduate Credits

Undergraduate degree applicants may transfer

credits from an accredited institution of higher education with a grade of C or better. Transfer credits will be reviewed on an individual basis. Transfer credits will be evaluated as appropriate to the student's program by the Division.

A student may also receive credit by achieving a minimum score, as determined by the School of Education, on Advanced Placement (AP), College-Level Examination Program (CLEP), or DSST examinations approved by the American Council on Education's Center for Lifelong Learning.

A maximum of 60 credits may be transferred into the program, including credits by examination. Prospective students should request a preliminary transfer evaluation by calling the Division at 410-516-9900 prior to submitting an application.

Tuition

Undergraduate tuition for the 2015-16 academic year is \$690 per credit hour. Financial assistance is available.

Note: Tuition for clients funding an organization-specific cohort is negotiated and set by individual contract.

MASTER OF SCIENCE IN ORGANIZATIONAL LEADERSHIP (FORMERLY MANAGEMENT) (ONLINE AND FACE-TO-FACE OPTIONS)

The Master of Science (MS) in Organizational Leadership is a 36-credit graduate degree program which is offered in two formats: a traditional face-to-face option and an online option. The curriculum consists of 12 three-credit courses covering such topics as leadership, change management, strategic planning, project management, and ethics and integrity.

Program Goals

The MS in Organizational Leadership seeks to realize the Division's core purpose to develop leaders in public safety and other organizations 1) through teaching, scholarship, and personal development; and 2) by educating and graduating students in areas of particular importance to organizational leadership, including:

- Ethics and integrity
- Individual and organizational behavior
- Change management
- Strategic planning
- Information technology
- Research

Program Objectives

Upon successful completion of the program, we expect candidates will:

- Develop content expertise in organizational leadership principles and applications.
- Be a reflective practitioner who is able to apply leadership principles and skills necessary

to incorporate and maintain the culture of any community or organization.

- Master the challenges and opportunities of diversity in an organization, putting that mastery to good use in improving organizational culture and effectiveness.
- Acquire strong skills in data-based decision making, in order to make the best use of current research in organizational leadership.
- Develop the ability to integrate applied technology to meeting challenges and fostering improvement in organizations.

Curriculum: Face-to-Face Program Option

- 705.605 Ethics, Integrity, and the Responsibility of Leaders
- 705.700 Individual and Group Dynamics
- 705.745 Information Technology for Leaders
- 705.615 Leading and Managing Change
- 705.712 Project Management: Leading Projects to Successful Outcomes
- 705.718 Strategic Planning for Leaders
- 705.635 Leadership and Organizational Behavior
- 705.732 Applying Research: Access, Methods and Accountability
- 705.719 Crisis Mitigation, Management, and Communication
- 705.750 Case Studies in Leadership
- 705.620 Managerial Economics
- 705.820 Current Issues in Leadership: Capstone

Curriculum: Online Program Option

- 705.605 Ethics, Integrity, and the Responsibility of Leaders
- 705.718 Strategic Planning for Leaders
- 705.700 Individual and Group Dynamics
- 705.712 Project Management: Leading Projects to Successful Outcomes
- 705.732 Applying Research: Access, Methods and Accountability
- 705.620 Managerial Economics
- 705.635 Leadership and Organizational Behavior
- 705.745 Information Technology for Leaders
- 705.750 Case Studies in Leadership
- 705.615 Leading and Managing Change
- 705.719 Crisis Mitigation, Management, and Communication
- 705.820 Current Issues in Leadership: Capstone

Cohort Formation

Students in the MS in Organizational Leadership program typically proceed through the program in a cohort. Cohort members begin and end the program with the same group of colleagues, taking all the same courses in the same sequence. Each cohort reflects diversity in the organizations, rank, experience, gender, race, and ethnicity of its students. The cohort builds trust, breaks down traditional and long-standing barriers among organization, and fosters the development of longstanding professional networks and friendships. The

program places a strong emphasis on the learning and interaction among peers that occurs in the classroom. Attendance at each class is essential.

Note: Some students may be admitted on a rotating basis without being placed in a program-long cohort. Cohorts formed for client organizations choosing to fund organization-specific cohorts by contract are restricted to employees of the client organization.

Program Schedule

Face-to-face classes are held at the Columbia Center (6740 Alexander Bell Drive, Columbia, MD 21046), conveniently located along the I-95 corridor. Classes generally meet every other Friday and Saturday from 8:30 a.m. until 5:00 p.m. Holiday and summer breaks are built into the schedule. Students typically take four courses per semester and the program can be completed in less than two years. The next face-to-face cohort begins January 22, 2016.

The online program is two years in length. Students participate in weekly class sessions and typically take two courses per semester. The next online cohort begins on January 25, 2016.

Admission

Applications to the program are reviewed on a rolling basis.

Requirements for Admission

Applicants to the MS in Organizational Leadership program must:

- Currently serve in a federal, state, or local public safety agency, intelligence agency, the military, or in a public sector organization, or receive an exception from PSL's Director.
- Possess a bachelor's degree from a regionally or nationally accredited college or university, together with a successful academic record. (Admission to a master's program generally requires that a student has earned a minimum cumulative average GPA of 3.0 (out of 4.0) in all previous undergraduate and graduate studies (including incomplete programs of study).)
- Meet entrance criteria established by the University.
- Submit an online application, essay, résumé, dispositions survey, two letters of recommendation, and official transcripts from all accredited post-secondary institutions attended. (Academic records from non-U.S. institutions must be evaluated by an authorized credential evaluation agency.)
- Be a United States citizen

Interested applicants may begin the application process online at <http://psl.jhu.edu/admissions/> or contact the Division at 410-516-9900. Applicants are interviewed and an admissions committee makes the

final selection of candidates.

Tuition

Tuition for the 2015–16 academic year for the MS in Organizational Leadership program is as follows:

- \$1,010 per credit hour for face-to-face courses.
- \$900 per credit hour for online courses.

Note: Tuition for clients funding an organization-specific cohort is negotiated and set by individual contract.

MASTER OF SCIENCE IN INTELLIGENCE ANALYSIS

The Division of Public Safety Leadership offers the 36-credit Master of Science (MS) in Intelligence Analysis to enhance the nation's capabilities in the analysis of strategic and tactical information collected from open and closed sources. The MS in Intelligence Analysis is an intense course of study for current intelligence analysts who are, or aspire to be, among the leaders of the Intelligence Community (IC).

Dynamic, robust leadership is as important as analytical expertise in meeting the goal of efficiently producing intelligence of value. Leaders within the intelligence community must foster and sustain a collaborative, ethical foundation on which to build intelligence products. These products must be based on collectively embraced standards of objectivity, quality, timeliness, and relevance.

The MS in Intelligence Analysis enhances the tradecraft and the analytical skills of professionals in the field. Through this program, students build creativity, apply imagination, mentor less experienced analysts, and learn to improve communication among themselves.

Competencies and Goals

The MS in Intelligence Analysis considers the challenges articulated by the National Commission on the Terrorist Attacks Upon the United States (9/11 Commission Report), the Commission on the Intelligence Capabilities of the United States Regarding Weapons of Mass

Destruction, and subsequent annual threat assessments. These noteworthy reports provide the foundation for several program objectives. The degree program inspires the analyst's creative, intuitive, and analytical thinking in the production of intelligence of value for policy makers.

The curriculum is built on proven strategies for improving communication and collaboration at all levels in the intelligence production process.

The learning program of the MS degree in Intelligence Analysis focuses on four primary areas of competency:

- Integration: Ethics, decision making, communication, and strategy.
- Communication: Dynamic written, oral, and visual presentation of intelligence analysis, and sharply honed research skills.

- Implementation: Leadership, teamwork, and collaboration in developing intelligence products of value for the decision maker.
- Perspective and Insight: Institutionalizing imagination through creative thinking, stimulated by a worldview energized and broadened by exposure to the literary, historical, cultural, and sociological viewpoints pertinent to threats faced by the citizens of the United States and other nations.

Objectives

The MS in Intelligence Analysis degree is designed to inculcate leadership skills in all levels of the intelligence analysis hierarchy. Further, the degree is designed to enhance the analytical skill levels of intelligence analysts, throughout the "greater" intelligence community, to include federal, state, and local criminal intelligence analysts, and contractor analysts.

Specifically, students:

- Develop and apply basic leadership skills and principles necessary for producing intelligence of value within a bureaucratic setting, either governmental or private.
- Develop written, oral, and visual presentation skills necessary for dynamic, succinct, and timely reporting of analytical conclusions to policy and decision makers.
- Acquire and make use of research tools applicable to the collection and analysis of large volumes of data.
- Apply new and enhanced skills to making informed, timely decisions, and ensuring that related tasks are understood, accomplished, and assessed.
- Learn the importance of ethics and integrity as a foundation for analytical debate and conclusion.
- Enhance their creative and strategic thinking in the intelligence environment.

Curriculum

- 720.630 Applied Critical Thinking
- 720.635 Leadership and Organizational Behavior
- 720.604 Ethics of Belief
- 720.609 Analytical Writing
- 720.752 Strategic Thinking: Concept, Policy, Plan, and Practice
- 720.718 Terrorism: Concepts, Threats, and Delivery
- 720.701 Special Issues in Intelligence Analysis
- 720.600 History of Espionage
- 720.710 Structured Analytical Techniques
- 720.702 Art and Science of Decision Making
- 720.713 Managing Differences
- 720.820 Current Issues: Capstone

Cohort Formation and Schedule

Students in the MS in Intelligence Analysis program proceed through the program in a cohort.

Cohort members begin and end the program with the same group of colleagues, taking all the same courses in the same sequence. Each cohort reflects diversity in the organization, rank, experience, gender, race, and ethnicity of its students. The cohort builds trust, breaks down traditional and longstanding barriers among organizations, and fosters the development of enduring professional networks and friendships. The program places a strong emphasis on the learning and interaction among peers that occurs in the classroom. Attendance at each class is essential.

The MS in Intelligence Analysis program is approximately two years in length. Classes meet on Saturdays from 8:30 a.m. 5:00 p.m. Holiday and summer breaks are built into the schedule.

Location of Classes

Classes are held at the Columbia Center (6740 Alexander Bell Drive, Columbia, MD 21046), conveniently located along the I-95 corridor.

Requirements for Admission

Applicants to the next MS in Intelligence Analysis cohort beginning on January 23, 2016 must:

- Currently be serving as intelligence analysts in the intelligence community; federal, state, or local public safety agencies; or private vendors who serve IC agencies.
- Possess a bachelor's degree from a regionally or nationally accredited college or university, together with a successful academic record. (Admission to a master's program generally requires that a student has earned a minimum cumulative average GPA of 3.0 (out of 4.0) in all previous undergraduate and graduate studies (including incomplete programs of study).)
- Meet entrance criteria established by the University.
- Submit an online application, essay, resume, dispositions survey, two letters of recommendation, and official transcripts from all accredited post-secondary institutions attended. (Academic records from non-U.S. institutions must be evaluated by an authorized credential evaluation agency.)
- Be a United States citizen.

Interested applicants may begin the application process online at <http://psl.jhu.edu/admissions/> or contact the Division at 410-516-9900. Applicants are interviewed and an admissions committee makes the final selection of candidates.

Tuition

Tuition for the academic year 2015–16 for the MS in Intelligence Analysis program is \$1,260 per credit hour. Financial assistance is available.

Note: Tuition for clients funding an organization-specific cohort is negotiated and set by individual

contract.

COHORT CALENDAR

Below are the upcoming cohort start dates. Applications and all supporting documents should be submitted to PSL at least 30 days prior to the start of the cohort of interest.

Bachelor of Science in Organizational Leadership
August 28, 2015
(*Note: The 2016 cohort launch date has yet to be determined*)

Master of Science in Organizational Leadership
Face-to-Face Program
January 22, 2016

Online Program
January 25, 2016

Master of Science in Intelligence Analysis
January 23, 2016

DIVISION OF PUBLIC SAFETY LEADERSHIP COURSE DESCRIPTORS

Please note that the School of Education cannot guarantee that every course listed below will be offered during the 2015-16 academic year. For the most up-to-date listing of the School of Education's course offerings, please visit <https://isis.jhu.edu/classes/>.

ED.700.301 The Economics of Social Issues

Local, national, and international economic factors have always influenced the course of business, government, and the nonprofit community. Understanding these factors can aid leaders in forecasting, budgeting, innovating, and managing more effectively. Students critique economic articles and case studies, conduct cost and benefit analyses, and relate concepts such as market analysis, scarcity, supply and demand, and fiscal fluctuation to their daily functions and organization. Through readings, class discussion, and exercises, students explore international monetary and market systems and their effect on goods, trade, employment, and community development. (3 credits)

ED.700.302 Theories of Personality

Knowing how people mature, draw conclusions, and motivate themselves can be invaluable to leaders. In recent years, contemporary personality psychology has advanced the practical tools available to assist in managing groups, solving problems, and achieving goals. Students interpret individual and group action in certain situations by focusing on four conceptual frameworks: (1) motivation (goals, intentions, defense mechanisms); (2) cognition (self-concept, beliefs, values, attitudes, opinions); (3) traits and temperament (biological predispositions, introversion, extraversion, energy level, character); and (4) social context (culture, class, gender, ethnicity). Case studies and examples from students' organizations are used throughout the course. (3 credits)

ED.700.303 Communication Skills for Leaders

Professionals are judged, in great part, by their written, verbal, presentation, and consultation skills. Using case studies and scenarios, students apply various

tools to communicating, influencing, and persuading internal, external, and political audiences. They apply communication theory and practice to routine and crisis situations. Communication skills are practiced and critiqued in matters related to administration, operations, labor relations, interagency relations, and marketing. Students differentiate factual writing from opinion writing. They practice visual, verbal, and written presentation skills and how to use them to persuade, change, and challenge. (3 credits)

ED.700.304 Values and Ethics

Leaders have pondered ethical problems since before the days of Ancient Greece. Today, people continue to reflect on challenges to personal and organizational integrity, moral decision-making, and standardizing behavior through a common set of rules. Students discuss parameters set by great leaders and philosophers of the past and challenge many long-standing beliefs that govern modern thinking about ethics and integrity. They explore situations that, while appearing relatively simple, led to the professional demise of leaders and public disrespect for organizations. They draw on their own beliefs and experiences to debate how and why certain decisions are made. Students explore contemporary issues such as abortion, gun control, and political influence. (3 credits)

ED.700.305 The Ethics of Dissent

Organizations and communities expect their leaders to act ethically and develop, promote, and follow the rules by which all the members of their organization are to operate. Leaders cannot exist by merely clinging to established rules. Through readings and discussion of philosophy, history, organizational behavior, and commonly held beliefs, students assess behaviors and processes that inhibit the highest standards of ethics. Students focus on the concept of dissent and the importance of listening to dissenters. They scrutinize various forms of behavior and decision making to distinguish complaint, cynicism, protest, and dissatisfaction from wrongdoing. (3 credits)

ED.700.309 Team Building and Leadership

Team building varies among organizations and units within organizations. The need for a team may be short-term or permanent. Regardless of the circumstance, the ability to develop and nurture productive, outcome-oriented teams is a primary responsibility of all leaders. Causing people to realize and achieve their potential as individuals and members of a team may seem, at times, like an all-consuming task. Students draw on their own experience and current workgroup to assess the stages of team development, solve problems that emerge within their team, gain consensus, motivate the group, and evaluate and convey success. Through readings, cases, and team projects, students identify and foster the positive capabilities of individuals, to benefit the entire team. (3 credits)

ED.700.310 Management of Information Systems

Information systems have changed the way government, nonprofit organizations, and small businesses conduct their activities. Through case studies, lectures, discussions, and hands-on activities, students explore the rapidly changing world of information systems. Focus will be on systems, networking, value and cost, the Internet, information security, the law, and the future. (3 credits)

ED.700.311 Social Problems in Contemporary Society

The number and complexity of social issues facing leaders in government, business, education, the religious community, and the nonprofit organizations abound. Among them are people's distrust of government and long-standing institutions, use and abuse of technology, the new service industry, changes in class structure, the decline of suburbia, and a controlled media. Through case studies, readings, videos, audio books, and debate, students reflect on how past leaders have addressed these and other issues. They consider their own "sphere of influence" and ability to affect change in matters of importance to their immediate work group, organization, and community. (3 credits)

ED.700.312 Management: Power and Influence

Power and influence are important means to accomplishing a defined end, whether it is a product or service. When power and influence are applied properly, positive outcomes result. When they are abused, organizations and people are confined and success is restrained. Students scrutinize various sources of power and the social, economic, and cultural conditions that create them. They call upon their own experiences to discuss individual, group, and organizational power. Students investigate historic events in which people of great power quickly became powerless and those of modest influence grew to become world leaders. Through readings, class discussion, and group projects, they probe their own "sphere of influence" and how it may be tapped to achieve desired goals. (3 credits)

ED.700.313 Comparative Studies in History and Politics

Public safety leaders are faced with particularly challenging issues today. Many of these issues are rooted in history written during the decade of the 1960s. Students will gain a greater understanding of and new insights into many contemporary issues by studying the past within a context rich in political science, justice, and professionalism concepts. Having a thorough understanding of the 1960s and its issues will enhance leadership abilities to better guide organizations through continuing struggles with racial equality, women's rights, war, counterculture, rebellion, loss of innocence, mistrust of authority, cultural change, misuse of government authority, and student activism. Students successfully completing this course will be able to

immediately apply learned knowledge and skills in their current positions. Improved analytical and creativity skills gained through the course will assist them with future performance in higher leadership positions. (3 credits)

ED.700.315 Logic for Leaders

Logic is the branch of philosophy that studies the methods and principles of correct reasoning and argumentation, and the language involved in such reasoning. Reasoning and appeals to reason do or ought to underscore every leadership effort, every academic discipline, and common human discourse. Bad reasoning is at the root of many human mistakes and failures, including failures of leadership. Good reasoning is a preventative and a remedy for such mistakes and failures. Thus, mastery of logic should be near the top of the list of every aspiring leader, scholar, and contributor to the public conversation. To that end, this course focuses on the parts and types of arguments, good vs. bad arguments, rules for making such distinctions, and methods for making such distinctions. (NB: With its emphasis on formal logic, this course fulfills an undergraduate math/quantitative science requirement.) (3 credits)

ED.700.317 Research Evaluation: From Theory to Application

Failure to understand, conduct, and apply research weakens organizations and fosters an environment in which progress is stifled. Vendor-driven, consultant-driven, and academic-driven research are weak substitutes for agency-driven research. Students review research in several disciplines and appraise the sources of data and other information for reliability. They apply research methods to gaining new and better understanding of their community, organization, and work unit. They employ specific research methods, such as surveys, focus groups, and quantitative analysis to aid in developing ideas, solving problems, and critically evaluating programs. (3 credits)

ED.700.341 Creative Thinking and Problem Solving

Effective problem solving requires more than off-the-shelf approaches and "how to" processes. People look to their leaders to think and act creatively when faced with complex problems and critical issues. Creative thinking – like analytical, strategic, and other types of thought – can be learned and nurtured. Through discussion, class projects, and exercises, students identify and overcome obstacles to creative thinking, cultivate their own creative thought process, and learn how to encourage creative thinking in others. (3 credits)

ED.700.470 Community Development

Residents in urban, suburban, and rural areas are assuming greater control over the destiny of their neighborhood. The nature of suburbia is changing.

The boundaries between jurisdictions in metropolitan regions are disappearing. Amid these changes, the core mission of American public safety remains the same - to serve people and, ultimately, sustain the viability of neighborhoods and communities. Through discussion, guest speakers, and exposure to a variety of neighborhood situations, students view community development as a discipline. They analyze the physical, social, and human capital in neighborhoods and how they influence progress, stability, and deterioration. Students draw on concepts such as planning, capacity building, mobilization, advocacy, and financial leveraging to solve neighborhood and community concerns. They focus on the role and responsibility of leaders to guide their organizations and units to affect positive change in neighborhoods. (3 credits)

ED.700.351 Introduction to the Change Process

Rapid, continuous change is a constant element in modern organizational life. Change is both welcomed and feared. It is needed, anticipated, and shunned. Getting people to move in a new direction is one of a leader's most important missions and greatest stressors. Relying on their organizational experiences, students gauge the value and practical application of various schools of thought on managing change. Through projects and case studies, they apply basic analytical and facilitation tools – scanning, planning, organizational design and structure, marketing – to the change process. Students develop a personal approach to managing change in their careers and current assignments. (3 credits)

ED.700.352 Quality Management

The “quality movement” changed the way government, business, and nonprofit organizations accomplish their mission. There are important lessons to be learned from the successes, failures, national and international experiments, and best practices that have emerged from efforts to achieve “total quality.” Students dissect enduring theories and principles such as Deming’s theory of profound knowledge and Juran’s approach to continuous quality improvement. With examples drawn from the public and private sectors, they discuss and debate organizational renewal and the steps required to improve and sustain organizational effectiveness and efficiency. (3 credits)

ED.700.354 Managing Diversity

The diversity of today’s workforce creates rich opportunities and real dilemmas for supervisors and executives. Avoiding sweeping generalities, political rhetoric, and traditional hype, and breaking diversity issues into their finest components allows leaders to identify and achieve viable solutions. Through lecture, discussion, research, and debate, students explore issues, contributions, failures, and successes related to diversity within America’s communities and organizations. They delve into behaviors, such as stereotyping, prejudice, and fear mongering that block organizational and individual

progress, change, and effectiveness. Practical strategies, including organizational action plans, task forces, regional and national recruiting, and diversity education programs are assessed. Students draw on their personal and organizational experiences in examining innovative approaches to conflict management. (3 credits)

ED.700.421 Information Resources in the Social Sciences

Knowing how to access information – the best available information – is essential to student success. Members of the faculty expect students to apply academic excellence to exploring, selecting, analyzing, and applying sources of information. Through a series of practical exercises and experiences, students learn to conduct independent searches for social science information. They develop systematic approaches to identification and retrieval of data, research, opinion, and more. Students apply criteria to judging the quality of the information they find. They learn, too, how to incorporate quality information into papers, articles, and presentations they prepare for their courses and workplace. (3 credits)

ED.700.502 Developmental Psychology

Knowing how people develop, from conception to death, aids in understanding how they respond to those around them, their environment, and other significant influences. Students consider the “life span” approach to the study of human development as they delve into milestones of maturation in childhood, adolescence, midlife, and old age; gender and psychosexual issues; and the impact of human trauma, loss, and victimization. Popular media, long-held beliefs, major theories, and scientific research play a role in student discussion and debate on the importance of role models, relationships, morals, goals, culture, and psychological hardiness. (3 credits)

ED.700.505 Applied Ethics, the Constitution, and Leadership

Organizations and communities expect their leaders to act justly and develop, promote, and follow the rules by which all the members are expected to operate. In the United States, the most important and influential model for setting forth such parameters is the Constitution, the nation’s supreme law. How it is interpreted and applied influences issues such as privacy, intrusion, hiring, whistle blowing, trade, education, and environmental safety. Students study the Constitution, as written and intended, and use this knowledge to dissect its many judicial, legislative, and political interpretations. Students consider morality, philosophy, national crises, and more, as they discuss and debate how the Constitution has been used to better society and as a tool to foster self-serving interests (3 credits)

ED.700.530 Special Topics in Leadership

With little or no notice, major and minor events can change the course of action for a leader. Whether

the tragedy of September 11, an unanticipated work slowdown, a heinous crime, or a reduction in an overtime budget, leaders must respond with rapid, logical, sound solutions. Some events, such as the protests and riots of the late 1960s, the application of digital and microwave technology, and dramatic increases in federal funding, can change a profession – as occurred with American public safety. Others have short-term affects, if managed well. Students probe a myriad of events that shaped and continue to shape the nation’s communities. Through readings, discussion, and group activities, they scrutinize how leaders reacted to significant events and issues. Students respond to current events that emerge during the tenure of the course. (3 credits)

ED.705.588 Ethics and Society

The survival of a society is inextricably linked to the moral and ethical behavior of its people. Students traverse through historic and contemporary events that continue to influence society’s standards – morals, laws, codes of conduct, dissent, and more. Through readings, case studies, and discussion, students sort through the varied theories and philosophies of how a just society is formed and sustained. Students apply their exploration of ethics to daily decision-making in the workplace and in their personal lives. They gain an understanding of the “domino effect” of moral decision-making and how such decisions shape people, neighborhoods, communities, cities, and nations. (3 credits)

ED.705.605 Ethics, Integrity, and the Responsibility of Leaders

Confronted with moral problems every day, people make critical decisions based on their beliefs, which incorporate their core values. Understanding how values are formed and applied, and being able to assess those judgments, are essential to leaders who must guide and assess employees’ integrity and ethical behavior every day. Through readings, case studies, and discussion, students probe how executives and supervisors resolve ethical problems. They discover ways to develop and gain employee input to and support for agency and unit values. In addition, students examine the forces that currently guide professional and organizational behavior, such as the Constitution of the United States, judicial opinion, and religious doctrine. (3 credits)

ED.705.608 Human Resource Management: People and Productivity

Competence in managing human resources is a primary attribute of successful leaders. The overall work environment is contingent, in great part, on how leaders administer employees, contractual workers, and others. A leader’s reputation and future can be made or broken based on how routine and extraordinary human resources issues are managed. Students apply fundamentals of human resource management to contemporary organizations, focusing on issues such as human resources law, workforce development,

recruitment, selection, appraisal, promotion, retention, diversity, employee recognition, and more. They compare human resources programs and activities within their own organization to modern and widely accepted practice. Students discuss a myriad of employee concerns such as internal communication, bias, sexual harassment, obvious and subtle intimidation, and workplace violence. (3 credits)

ED.705.615 Leading and Managing Change

Change is inevitable and a constant for many individuals and organizations. Budget, demand for services, resource allocation, labor agreements, and politics are among many factors that influence change, but may not be within an executive’s control. Change can be received well and perceived as essential to progress, growth, and excellence in the delivery of services. It also may be perceived as negative, imposing, and the cause of organizational decline. Knowing how to manage change well is the responsibility of every leader. Students scrutinize planned and unanticipated change. They discuss and debate current literature and processes for managing change. Focusing on change that has occurred in their own organizations, students consider its effect on resources, employees, and people’s satisfaction with the delivery of service. Students delve into the power, role, and influence of leaders as change agents and apply the lessons learned to their current work environment. (3 credits)

ED.705.618 Leadership through the Classics

At some point, every employee assumes a role as leader. For some, regardless of his or her rank of position within the hierarchy, this is a daily role. Are leaders made or born? Are there hidden and obvious messages embedded in times past that provide an answer? Are the characteristics of effective leaders truly timeless? Are there lessons in classic literature to guide today’s leaders? Through discussion and debate, readings from great literature, review of classic films, and more, students discover the themes, strengths, and weaknesses of leaders who have claimed a place in history. Students relate these discoveries to the issues, challenges, and demands they face in today’s increasingly complex work environment. (3 credits)

ED.705.620 Managerial Economics

All organizations are driven by or conform to economic realities. In a period of tight budgets and public demand for fiscal accountability, leaders must know how to apply basic economic theory to strategy, decision making, and problem solving. They must know how to assess demand for services and apply scarce resources to meeting these demands, and they must do so within the constraints of a budget over which they may have only limited control. Students apply techniques of demand analysis, benefit-cost analysis, and forecasting and learn ways to influence decision making and the budget process. They apply their understanding of economics to establishing, modifying, or sustaining

the strategic and daily operational approaches and tactics of their immediate work group. (3 credits)

ED.705.635 Leadership and Organizational Behavior

Effective leaders routinely take the pulse of their organization and know what it means. They develop a “sixth sense” about what works and what does not. Students assess how leaders influence organizational behavior and the various systems – individual, group, and culture – that contribute to the successful operation of today’s multifaceted service agencies. Through readings, case studies, and simulations, students compare organizational behaviors – including internal communication, quality control, and marketing – to activities in their own agencies. Students employ proven and innovative approaches to assessing organizations and developing ways to accomplish defined goals and tasks. They are exposed to the Executive Core Qualifications (ECQ’s) required of the Senior Executive Service in the federal government. (3 credits)

ED.705.700 Individual and Group Dynamics

Individual and group dynamics are at the core of evidence-based management practices. Leaders direct individuals and groups and the interaction that occurs among multiple groups toward accomplishment of a mission or purpose. Additionally, they need to understand self-leadership involving personal resilience as well as methods of building cultures of resilience. Knowing how groups and followers function is essential to sound decision making, implementing new concepts, changing direction, solving problems, and motivating others. Students dissect modern theories and research in individual and group dynamics. They identify and fit accepted principles of dynamics to their current work environment, respecting the uniqueness of their organization. They differentiate small and large group dynamics and dissect the role of group leader, focusing on issues such as boundaries, group identity, cohesion, conflict, power, group recognition, and intergroup alliances. (3 credits)

ED.705.712 Project Management: Leading Projects to Successful Outcomes

Leaders manage projects and project teams every day. They form expectations, optimize stakeholder involvement, and integrate needed change into existing environments. They develop tasks, assign responsibilities, and track progress. Achieving intended, high quality outcomes through effective project management is both science and art. Students apply the seven-step project management life cycle – initiating, planning, organizing and staffing, implementing, measuring and assessing, controlling, and close-out – to routine, exceptional, unit, and agency-wide projects. They focus on essentials such as assessing capability to deliver, defining individual and team workload, budgeting, communicating, scheduling tasks, and monitoring progress. Students plan the role of managers,

supervisors, and team members in a variety of projects. They have the opportunity to focus on projects they bring to the class from their own organization. (3 credits)

ED.705.718 Strategic Planning for Leaders

A strategic plan sets a steady course for an organization, allowing it to endure changes in administration, shifts in demand for service, political influence, fiscal fluctuation, and more. Setting the course of action through strategic planning is relevant to every organization, regardless of size, discipline, or task. Through readings and discussion, students develop an individualized approach to strategic planning based on experience and needs within their own agencies. Students apply an array of techniques to assess, modify, and present strategic plans and motivate others to participate in the strategic planning process. They learn to incorporate strategic plans into their day-to-day functions. Students employ a variety of techniques to involve and motivate employees to participate in the strategic planning process and implement the plan once it is established. (3 credits)

ED.705.719 Crisis Mitigation, Management, and Communication

If not managed well, a critical incident or series of critical incidents can pose significant threat to a community and an organization’s well-being. It can establish, sustain, or destroy a leader’s reputation and survival. Effective prevention, mitigation, recovery, and restoration are contingent on a leader’s ability to develop crisis management and contingency plans, assess a situation, direct and motivate individual or multi-agency response, and communicate well to all involved. This course is built on the belief that a leader in a crisis is a leader in routine day-to-day matters, as well. Students review and evaluate current crisis management theory and practice. They draw on their experience to assess high profile situations and apply lessons learned to their own organizations and work environments. (3 credits)

ED.705.724 Building Quality Organizations

In too many organizations, the term “quality” has become little more than an overused and abused buzzword. Its meaning has been lost to hype. Yet, there are enduring principles to creating and maintaining quality within organizations, such as Deming’s theory of profound knowledge and Juran’s approach to continuous quality improvement. Students discuss theories and notions of quality and its application to various organizational settings. Through several famous corporate and government cases, students apply techniques drawn from diverse models designed to improve effectiveness, efficiency, and value. Through readings and discussion, students explore the success and failure of past systems and movements such as total quality movement. (3 credits)

ED.705.732 Applying Research: Access,

Methods, and Accountability

At a time when new information emerges every day, with greater speed and at a greater volume than any time in history, knowing how to find and apply research is one of a leader's most important skills. Technology gives today's leaders incredible access to raw data, intelligence analysis, best and promising practices, organizational histories, and much more. It is incumbent on leaders to wade through this information quickly and efficiently to determine its accuracy and relevance, and then guide others to use it. Students experiment with and apply a variety of methods designed to help them identify and assess existing research, policies, organizational studies, government data, scholarly journals, and popular articles. They apply the findings of their research to conducting agency, unit, policy, and program assessments and convey findings in practical ways to employees, executives, political leaders, and others. (3 credits)

ED.705.745 Information Technology for Leaders

Leaders influence and are influenced by rapidly changing technology, but technology is changing with such speed that it is difficult for many leaders to remain current. Technology is transformational and connected to significant changes in interpersonal communication, shopping, war, evidence, news, intelligence, liability, and much more. Leaders drive the technology that is applied to data analysis, planning, information security, personnel management, personnel safety, internal and external communication, fiscal accountability, and routine and emergency communication. Students cite strengths, opportunities, weaknesses, and vulnerabilities associated with modern application of technology. They discuss and debate the current and future potential for technology in the workplace, as a tool to advance the well-being of people and communities, and as a vehicle for harm and disruption. Students focus on information sharing and analysis, telecommunication, and linking networks and systems. They apply technology to assessing needs and solutions, determining the best application and deciding when it reaches the point of overkill. They learn, too, how to judge technology-related information given to them by employees, vendors, and others. (3 credits)

ED.705.750 Case Studies in Leadership

Learning through the experience of others is one of the best tools in a leader's toolbox to build personal skills and organizational strength. Case studies from the public and private sector provide an opportunity for students to examine how organizations work and how managers deal with complex issues in policy making, human resources, resource allocation, field operations, marketing their organization, and more. Through the application of leadership principles learned in previous classes and new ones offered in this course, students critique and debate approaches and solutions to a series of cases. Through reading and analyzing case studies,

participating in class discussions, and interacting with guest lecturers, students identify strategies for solving problems faced by individuals and organizations. Students identify and present examples drawn from their own experience relevant to the case studies. Students gain and demonstrate critical thinking skills as they apply their expertise to solving the cases presented in class. (3 credits)

ED.705.820 Current Issues in Leadership: Capstone

Leaders today are tasked with effectively and efficiently responding to a rapidly changing political, social, strategic, operational, and technical environment. They guide a contemporary workforce that imposes new expectations and demands on its leaders. As a culminating course, students discuss the major issues that recurred throughout the entire curriculum and the creative solutions they developed to deal with these issues. The knowledge gained in previous courses of study, combined with new learning, provides a foundation for students to embrace proven traditional approaches and develop innovative methods to lead their personnel and organizations well into the future. Students participate in individual, group, and class projects to establish a course of action to pursue as they embark from the program. (3 credits)

ED.720.600 History of Espionage

Every analyst stands on a foundation created by the long history of the profession, but few have studied the history carefully. Students will seek answers to timeless questions by exploring classic examples of intelligence gathering and analysis through the different periods of human history. Beginning with some classic, ancient examples, and working through the Middle Ages, students will note the advances to the profession during the Elizabethan period and consider how those forms of intelligence analysis have influenced current practices. From an American perspective, students will explore the intelligence activities during the Revolutionary War, the Civil War, and World Wars I and II, ending at the beginning of the modern era around 1950. (3 credits)

ED.720.604 Ethics of Belief

Students explore concepts such as logic, epistemology, and ethics and how the relationship between them influences the gathering and analysis of information and subsequent decision making. They develop and enhance skills necessary to conduct basic and complex analysis, routinely and in crisis situations. Through discussion, debate, readings, and research, students seek to answer several important questions. How much data or evidence should one collect and consider before drawing a conclusion? Can one base a conclusion solely on data or does it always reflect influences such as beliefs, will, politics, history, and other factors? To what degree is an employee accountable for undesirable consequences of a thoughtful, well-researched, logical decision? What is the

difference between belief and knowledge and why does this matter to individuals, organizations, and political communities when drawing conclusions? (3 credits)

ED.720.609 Analytical Writing

The ability to justify and present an analytical conclusion in clear, succinct prose is essential for anyone supplying policy-makers with information they need to formulate a decision. Students consider traditional and innovative methods of intelligence briefing, focusing on the difference between accuracy and truth in nonfiction writing and how facts are woven into a narrative form. Students prepare written reports and presentations on a variety of topics and, in doing so, construct narratives, project credibility, convey recommendations, and reinforce key messages. (3 credits)

ED.720.630 Applied Critical Thinking

Applied critical thinking is the foundation of intelligence analysis and logic is the foundation for applied critical thinking. Logic studies the methods and principles of correct reasoning and argumentation, and the language involved in such reasoning. Bad reasoning is at the root of most mistakes and failures in intelligence analysis. Good reasoning is a preventative and a remedy for such mistakes and failures. Thus, mastery of logic is a valuable first step in the study and practice of intelligence analysis. To that end, students in this course learn the parts and types of arguments, good vs. bad arguments, rules for making such distinctions, and methods for making such distinctions. This course also serves as a prerequisite for other courses in the Master of Science in Intelligence Analysis, especially The Ethics of Belief, Art and Science of Decision Making, and Structured Analytic Techniques. (3 credits)

ED.720.635 Leadership and Organizational Behavior

Effective employees routinely take the “pulse” of their organization and know what it means. They develop a “sixth sense” about what works and does not work within their organization and the community they serve. Students assess how people in various positions influence organizational behavior and the systems – individual, group, and cultural – that contribute to the successful operation of today’s multifaceted service agencies. Through readings, case studies, and simulations, students compare organizational behaviors, such as internal communication, quality control, and marketing, to activities in their own agencies. They employ proven and innovative approaches to assessing organizations and developing ways to accomplish organizational tasks and goals. (3 credits)

ED.720.700 Research Methods for Intelligence Analysts

New information affecting the intelligence community emerges every day. Subject matter on threat, response, groups, factions, and resources is voluminous. Specific areas warrant special attention.

This course provides an added dimension to the degree program by focusing on the importance of gathering information from open sources and by applying proven techniques in that arena to convert that data into useful information for the intelligence customer or decision maker. Students will make use of up-to-date methods of research learning how to prepare for their own capstone research projects. Skills and techniques in approaches to both qualitative and quantitative research methods will be applied to current intelligence topics. (3 credits)

ED.720.701 Special Issues in Intelligence Analysis

New information affecting the intelligence community emerges every day. Subject matter on threat, response, groups, factions, and resources is voluminous. Specific areas warrant special attention. This course provides an added dimension to the degree program. Colloquia consist of half-day and full-day programs on important topics. They include guest lectures, panel discussions, and open debate. Colloquia supplement information provided in other courses and present new subject matter. Content is designed to engage students in addressing urgent, unexpected, and timely issues that arise. In the colloquia, students have the opportunity to raise issues and apply their analytical skills to an array of topics. This course includes a field experience. (3 credits)

ED.720.702 Art and Science of Decision Making

Some of the latest research into decision making indicates that fully one half of all decisions fail when one considers the criteria of whether the decision made was implemented and remained implemented for a period of at least two years. Further, and more disturbingly, the research indicates that two thirds of all decisions are made using bad or failure-prone practices, contributing to the high rate of failure. Failed decisions at both the personal and organizational level carry incalculably high costs in real dollars and in terms of lost credibility and missed opportunities. In some cases, bad decisions become fiascos and debacles. Interestingly, there are three common blunders and seven traps that account for most of the poor choices we make. This course will move beyond the research to explore the practical applications of how people actually go about the process of making smart decisions. Students will work with both case examples and with their own work-related and personal decisions as part of the work. (3 credits)

ED.720.710 Structured Analytical Techniques

In a highly diverse society with rapidly changing technological advances, leadership and management requires a broad understanding of factors that impact human behavior. Through the study of dispositional and situational influences on behavior, the leader is able to understand their impact on the performance of individuals within an organization leading to a more informed application of management practices.

Moreover, through a grounding in social psychology, personality psychology, and neuroscience, the leader is better equipped to build/maintain resilience in self and others and to foster resilient cultures. (3 credits)

ED.720.713 Managing Differences

Successful people understand differences that go beyond traditional or stereotypical diversity-related issues. They monitor, analyze, and manage differences stemming from internal hierarchy, incompatible functions and ideals, conflicting agencies and governments, and other differences. If ignored, these differences may erupt into misinterpretation, misperception, inappropriate communication, or other behavior that harms people and institutions. Students assess differences in goals, values, beliefs, motive, function, rank, religion, race, gender, and personality. They discuss factors that influence and drive both tolerance and intolerance. Students apply techniques for overcoming behaviors that block individual, community, and organizational effectiveness in diverse settings. Through readings, case studies, and group activities, students compare various strategies for providing quality service to diverse internal and external communities. (3 credits)

ED.720.718 Terrorism: Concepts, Threats, and Delivery

Students scrutinize the changing face of terrorism and terrorist threats, from a global endeavor to garner support for a cause, to small radical cells bent on causing harm for the sake of harm. They consider terrorism as a phenomenon and examine the counterforce options and constraints used to prevent and defeat terrorists. Myths, misperceptions, and hype are distinguished from fact. Students gain the tools necessary to identify and focus on legitimate threat to guide clients to address people, time, location, and behavior - the things most critical to preventing heinous terrorist acts from occurring. Through scenarios and case studies, students exhibit leadership skills in countering terrorist activity, helping other leaders and the agencies they serve maintain perspective, and minimizing panic and alarmist reaction to terrorist threat. Students identify and apply measured responses to the information they gain on crises and potential crises. (3 credits)

ED.720.750 Case Studies in Intelligence Analysis

Learning through the experience of others is one of the best tools for building and enhancing skills and thought processes. Case studies from the public and private sector provide an opportunity for students to examine how leaders apply intelligence information to functions such as planning, policy-making, resource allocation, and field operations. Through the application of principles learned in previous classes and new ones offered in this course, students critique and debate approaches to a series of cases involving intelligence analysis. Through reading and analyzing case studies

and interacting with guest lecturers, students identify strategies for resolving actual situations. Students present their own experiences and examples to enhance discussion of the cases. Students gain and demonstrate critical thinking skills as they apply their experience to solving the cases presented in class. (3 credits)

ED.720.752 Strategic Thinking: Concept, Policy, Plan, and Practice

Strategic thinking sets a steady course for an individual task or an entire organization. It aids in confronting change, coping with crises, planning for transitions, and envisioning alternatives and new possibilities. It sustains people, programs, and assignments through changes in administration, shifts in demand for service, and political influence. Students discuss and debate strategic decisions that shaped modern history, including the use of military power to serve political ends. They examine the development of warfare from the 19th century to the present, emphasizing strategic and theoretical concepts. Through readings and discussion, students develop their strategic thinking skills and apply them to a myriad of case studies. They apply step-by-step methods to developing and implementing a strategy for their work unit. Students apply an array of techniques to assessing, modifying, and presenting strategic plans and motivating others to participate in the strategic planning process. They also examine their role in their agency's and/or client's strategic plan. (3 credits)

ED.720.820 Current Issues: Capstone

As a culminating course, students discuss the major issues that recurred throughout the program and the creative solutions they developed to deal with these issues. This course draws upon the knowledge students gained in previous courses and applies it to improving the quality of their work and services provided to customers. Students develop an array of new tools, such as effective questioning, and apply them to improving the products delivered to the people they serve. Through readings, lectures, dialogue, and debate, students apply the principles of enlightened leadership to challenges they face every day. Students develop a course of action to affect positive change in their current assignment and assess their experience in the degree program. (3 credits)

the country. The center's major programs are Talent Development Secondary (a leading partner in Diplomas Now), the Center on School, Family and Community Partnerships, the Everyone Graduates Center, and the Early Learning Partnership. CSOS also houses the Baltimore Education Research Consortium and Stocks in the Future. To learn more about the work of the Center for Social Organization of Schools, please visit www.jhucsos.com/.

CENTER FOR TECHNOLOGY IN EDUCATION

The Center for Technology in Education (CTE) strives to improve the quality of life of children and youth, particularly those with special needs, through teaching, research, and leadership in the use of technology. Through a unique partnership, CTE combines the research and teaching resources of the School of Education and the leadership and policy support of the Maryland State Department of Education. The Center's emphasis on technology in education is based on the belief that children with special needs have a right to the best possible education in the least restrictive environment, and the belief that technology can transform instruction so that all children can maximize their potential. CTE directs much of its work to expanding educators' awareness and skills so they are able to improve their practice and thereby increase student achievement. To learn more about the work of the Center for Technology in Education, please visit <http://www.education.jhu.edu/research/CTE>.

RESEARCH AND DEVELOPMENT CENTERS

Through their extensive research, partnerships, program development, leadership and service activities, the School of Education's research and development centers play an integral role in furthering the school's mission to support and advance the quality of education and human services for the continuous development of children, youth, and adults. Recognized as national leaders in creating new research-based models of instruction, these centers are making lasting improvements in student achievement and are helping to build high quality education systems that give every child the greatest opportunity to learn and succeed.

CENTER FOR RESEARCH AND REFORM IN EDUCATION

(CRRE) works to improve the quality of education for children in grades preK through middle school. It carries out high-quality evaluation studies and reviews of research on educational programs. The center's work has included local, national, and international evaluations on topics such as effective programs for at-risk students, English language learners, leadership development, and online learning. CRRE is dedicated to providing stakeholders with rigorous evidence on what works in education, and publishes a best evidence website, magazine, newsletter, and blog focused on evidence-based reform. To learn more about the work of the Center for Research and Reform in Education, please visit www.education.jhu.edu/crre.

CENTER FOR SOCIAL ORGANIZATION

Founded more than 45 years ago at Johns Hopkins University, the Center for Social Organization of Schools (CSOS) concentrates its research and development resources on the toughest problems in education—improving low-performing schools and the education they offer their students. The center comprises sociologists, psychologists, social psychologists, and educators who conduct research to improve the education system, as well as staff who develop curricula and provide technical assistance to help put this research into practice in some of the most challenging schools and districts across

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