

School of Education Master of Science in Science of Instruction

Concentration and Professional Elective List

Students may choose any of the below courses not already part of their core MS requirements to fulfill Concentration and/or Professional elective areas in the MS program. Students may opt to concentrate in another area or sample courses across tracks. Any graduate course in the School of Education may serve as a Concentration or Professional elective if the student has adequate preparation or fulfilled any co or pre-requisite requirement to take the course and it is deemed appropriate by the graduate advisor. Please note not all courses are offered both on-campus or online and many courses aren't offered every term. The term a course is listed below as being offered could change without notice. Please refer to the "Schedule of Classes" located on the Student Resources Website, www.drexel.edu/src under "Current Student" for any changes to the term schedule or contact your graduate advisor.

Science of Instruction: Core Pedagogy Courses

Normal Term Offered:

<u>On Campus</u>	<u>Online</u>			
all	all	EDUC 520	Professional Studies in Instruction	3cr
W/Su	F/Sp	EDUC 522	Evaluation of Instruction	4cr
F/Sp	F/Sp	EDUC 523	Diagnostic Teaching	4cr
F/Su	W/Su	EDUC 524	Current Research in Curriculum & Instruction	3cr
Sp/Su	W/Su	EDUC 525	Multimedia in Instructional Design	3cr
F/Sp	all	EDUC 526	Language Arts Process	3cr
F/W/Sp	F/W/Sp	EDUC 540	Field Experience	3cr

Science of Instruction: Pedagogy Electives

Normal Term Offered:

<u>On Campus</u>	<u>Online</u>			
F/Sp	Su	EDUC 512	Integrative Instruction: World Geography	3cr
W		EDUC 514	Science Teaching Methods	3cr
W/Su	F/Sp	EDUC 516	Diversity and Today's Teacher	3cr
W	Sp	EDUC 518	Mathematics: Method & Content	3cr
W	F/Sp	EDUC 528	Cultural & Historical Significance of Math	3cr
all	all	EDUC 775	Special Topics in Education	3cr
W		EDUC 775-001	Globalization of Education	3cr
	W	EDUC 775-900	Emotional Intelligence	3cr
	F/W/Sp	EDUC 775-901	Portfolio/Authentic Assessments	1.5cr

Special Education:

The following Special Education courses have been added to the catalog effective 200815:

TBD	F	EDUC 542	Fundamentals of Special Education (starting fall 2008)	4.5cr
TBD	W	EDUC 544	The Inclusive Classroom (starting winter 2009)	4.5cr
TBD	Sp	EDUC 546	Literacy & Content Skill Development (starting spring 2009)	4.5cr
TBD	F	EDUC 547	Special Education Processes (starting fall 2009)	4.5cr
TBD	W	EDUC 548	Emotional & Behavioral Support (starting winter 2010)	4.5cr
TBD	Sp	EDUC 549	High Incident Disabilities (starting spring 2010)	4.5cr
TBD	F	EDUC 550	Low Incident Disabilities (starting fall 2011)	4.5cr
TBD	F	EDUC 551	Pervasive Develop Disorders (starting fall 2010)	4.5cr
TBD	Sp	EDUC 552	Int Tech for Learn & Achv (starting spring 2011)	4.5cr
TBD	W	EDUC 553	Spec Ed: Methods & Practices (starting winter 2011)	4.5cr

Instructional Technology Specialist Concentration
(Add/on Certification=18 cr)

	W/Su	EDUC 511 Computer Skills for Teachers	3cr
	W/Sp	EDUC 533 Designing Virtual Communities for Staff Development	3cr
	F/Su	EDUC 534 Developing Educational Leadership & Team Building	3cr
	F/Sp	EDUC 535 Researching and Evaluating Technology	3cr
all	F/Sp	INFO 520 Professional & Social Aspects of Information Services	3cr
F/Su	all	INFO 640 Managing Information Organizations	3cr

Learning Technologies

Online only

	Fa/Sp	EDLT 536 Learning Sciences & Instructional Design	3cr
	W/Su	EDLT 537 Technologies for Performance Support	3cr
	Fa/Sp	EDLT 538 New Media Literacies	3cr

Mathematics Learning and Teaching

Online only

	W	MTED 501 Proportional and Algebraic Reasoning	3cr
	Sp	MTED 502 Geometry and Geometric Reasoning	3cr
	Su	MTED 503 Data Analysis and Prob and Stat Reasoning	3cr
	W	MTED 511 Functions through the Curriculum	3cr
	Fa	MTED 601 Diagnosing Student Mathematical Thinking	3cr
	Sp	MTED 621 Collaborative Instructional Design and Analysis I	3cr
	Su	MTED 622 Collaborative Instructional Design and Analysis II	3cr
	Fa	MTED 690 Research in Mathematics Learning and Teaching	3cr

Teaching English as a Second Language (TESL) Concentration
(Add-on Certification = 12 credits)

You must submit an application and TESL essay and be admitted into the TESL program if seeking PA add-on Certification

Normal Term Offered:

On Campus Online

F/Sp	W/Su	EDUC 602 Language Learning and Teaching	3cr
F/Sp	W/Su	EDUC 604 Structure & Sound System of English	3cr
W/Su	F/Sp	EDUC 606 Design and Assessment	3cr
W/Su	F/Sp	EDUC 608 The Intercultural Learner	3cr

Teaching Learning and Curriculum

On Campus Online

Sp	Sp	EDUC 530 Adv Techniques in Instruction and Assessment	3cr
F	W	EDUC 533 Virtual Learning Communities	3cr
Sp/W	W	EDUC 537 Learning Disabilities II	3cr
W/Su	Sp	EDUC 608 Intercultural Learner	3cr
W	F	EDUC 714 Instructional and Curricular Leadership	3cr
Sp	Sp	EDUC 804 Studying Educational Organizations & Programs	3cr
Su	Su	EDUC 813 Educational Issues Seminar	3cr
W	F	EDUC 803 Research Design I	3cr
Su	W	EDUC 810 Research Design II	3cr

Educational Administration

Online only:

F	EDAM 500 Leading in Urban, Rural, Suburban School Settings	3cr
F	EDAM 502 Resource Mgmt, Allocation & Entrepreneurship	3cr
W	EDAM 522 Evaluation & Assessment Competencies	3cr
W	EDAM 524 Mentoring and Collaborative Leadership	3cr
Sp	EDAM 526 Interpreting & Eval Research & Achievement Data	3cr
Sp	EDAM 528 Research Methodology for Action Research	3cr
Su	EDAM 540 Action Research Project	3cr

School Principal Concentration (Add-on Certification = 22 credits)

F/Sp	EDUC 702 School Leadership and Decision Making	3cr
W/Sp	EDUC 705 School Law and Politics	3cr
F/Sp	EDUC 710 School Finance and Facilities	3c
F/Sp	EDUC 716 School Principal Internship: Finance*	1cr
W/Su	EDUC 712 School/Community Relations & Partnerships	3cr
W/Su	EDUC 718 School Principal Internship: Relations*	1cr
F/Sp	EDUC 714 Instructional and Curriculum Leadership	3cr
F/Sp	EDUC 717 School Principal Internship: Leadership*	1cr
W/Su	EDUC 708 Managing Integration of Technology in School Setting	3cr
W/Su	EDUC 715 School Principal Internship: Technology*	1cr

**Students must be admitted into the School Principal Certification Program in order to participate in internships.*

*** In addition to the 22 credits, students must pass the required Praxis exams and must complete a minimum of 5 years teaching experience on Instructional I certification prior to submitting an application to the State Department of Education. Some states also require a MS degree.*

Global and International Comparative Education (EDGI) Courses

Online only

Fa/Sp	EDGI 500 Introduction to Global, International, and Comparative Ed.	3cr
Fa/Sp	EDGI 504 The History and Theory of Comparative Education	3cr
W/Su	EDGI 510 Culture, Society, and Education in Comparative Education	3cr
W/Su	EDGI 508 Understanding Research in Global, Int'l, & Comp Ed	3cr
Fa/Sp	EDGI 512 Global and Educational Change	3cr
Fa/Sp	EDGI 520 Comparative Economics of Education	3cr
W/Su	EDGI 502 Global, International, and Comparative Education II	3cr
W/Su	EDGI 518 Analysis of Policy Issues in Global, Int'l, & Comp Ed	3cr
Fa/Sp	EDGI 506 Comparative Higher Education Systems	3cr
Fa/Sp	EDGI 514 Education and National Development	3cr
W/Su	EDGI 530 Peace Education	3cr
W/Su	EDGI 532 International Organizations in International Education	3cr
Fa/Sp	EDGI 534 Conflict Resolution in an International Context	3cr

Human Resources Development

Online only

F	EHRD 500	Foundation for Human Development	3cr
All	EDHE 600	Human and Organizational Performance	3cr
W	EDUC 533	Designing Virtual Communities for Staff Development	3cr
W	EDUC 536	Distance Learning - (EDLT 537)	3cr
Sp	EHRD 650	Learning Leadership in organization	3cr
Sp	EDHE 660	Principles of Adult Education	3cr
Su	EDUC 505	Instructional Systems Design	3cr

Su	EDUC 804	Study of Educational Organizations and Programs	3cr
F	EHRD 600	Consulting and Leadership Coaching	3cr

Higher Education Core & Concentration Electives

Normal Term Offered:

Online only

F/Sp	EDHE 500	Foundations of Higher Education	3cr
F/Sp	EDHE 510	Governance in Higher Education	3cr
W/Su	EDHE 520	Student Development & Customer Service Mgmt	3cr
F/Sp	EDHE 540	Outcomes, Assessment & Continuous Improvement	3cr
All	ORGB 631	Leading Effective Organizations	3cr
W/Sp/Su	EDHE 600	Human & Organizational Performance Improvement	3cr
W/Su	EDHE 602	Managing Campus Operations	3cr
F/Sp	AADM 710	Strategic Planning/Evaluation	3cr
All	BUSN 501	Measuring/Maximizing Financial Performance	3cr
N/A	EDHE 624	Capital Financing, Business Development & Asset Mgmt	3cr
N/A	EDHE 626	Public-Private Funding & Legal Issues	3cr
Su/W	EDHE 650	Introduction to Enrollment Management	3cr
Su/W	EDHE 652	Enrollment Marketing, Recruitment & Retention	3cr
Su	EDHE 654	Financial Aid & Enrollment Management	3cr
W	EDHE 634	Proposal Writing & Sponsored Project Management	3cr
N/A	EDHE 660	Principles of Adult Education	3cr
W	EDHE 640	Foundations of Institutional Research	3cr
Su	EDHE 644	Student Assessments & Academic Program Evaluation	3cr

Non-EDUC electives with approval

Concentration electives may be fulfilled through mathematics and science, technological electives, and/or pedagogy courses appropriate to a student's certification or concentration area. Professional electives may be taken from the core courses, concentration categories, and/or any graduate course in the University if the student has adequate preparation to take the course and it is deemed appropriate by the graduate advisor.

PLS (Performance Learning Center) courses

Students may also select up to 3 PLS courses towards Professional electives with the advisement of the graduate advisor. If you are receiving financial aid, PLS courses are not recommended. The 15 credits of Professional electives may be comprised of a combination of up to 13.5 PLS credits and/or approved transfer credit for previous graduate work. **PLS courses must be taken through Drexel University to count toward the MS degree.** *The PLS website lists the college/university that is providing course credit per each section. Be sure to register for a "Drexel" section if you wish to have your credit counted toward a Drexel MS degree.* Please contact your advisor for specific information on registering for a PLS course. For a list of Drexel accredited PLS courses or more information, please visit http://www.plsweb.com/graduate_courses/partners/pennsylvania/drexel/.

Transfer credit

A maximum of 15 transfer credits of previous graduate work may be applied to Professional electives in the MS program. Course review and approval are conducted on a course by course basis. Please contact your Graduate Advisor for course approval.

Updated 7/15/2008