

Biology
Master of Education Degree: Secondary Education
A Minimum of 30 Credits Required – Thesis Optional

Program #57005 – Version 20103

The program consists of a minimum of 30 semester hours. A comprehensive examination is required. All courses are three semester hours, except the thesis. All students accepted into this program must complete all requirements within six calendar years.

AREA I.		
Problems of Education in Their Broad Setting: 6-9 hours		
Area I is designed to explore the fundamentals underlying the education process and to relate them to current practice in schooling.		
A. Required Course: 3 hours	GR.	S.H.
EDU 528 Education and the Culturally Different Student		3
B. Electives: 3-6 hours - Select from the following:	GR.	S.H.
EDU/MLS 433 Cultural Awareness/Sensitivity for ESL/ELL Program Specialists		3-6
EDU 496 Multicultural Education		
EDU 533 Social Interpretations of Education		
EDU 535 Major Philosophies of Education		
EDU 562 School Law		
EDU 578 Comparative Education: An Analysis of International Education Systems		
EDU 597 Change in Education		
PSY 520 Advance Social Psychology		
PSY 527 Developmental Psychology of Adolescence		
PSY 565 Theories of Learning		

AREA II.		
Curriculum and Instruction: 6-9 hours		
Area II is designed to investigate the criteria for decision-making and the structure and organization of curriculum and instruction.		
A. Electives: 6-9 hours - Select from the following:	GR.	S.H.
SEU 410 Science Instructional Methods for Middle and High School		6-9
EDU 541 Supervision of Instruction		
EDU 568 Middle Level Curriculum and Instruction		
SCU 521 Biology in the Secondary School		
SCU 523 Techniques in Environmental Education		
SEU 567 Curriculum of the Secondary School		
SCU 580 Selected Topics in Science Education		
SCI 514 Life Sciences in the Elementary and Middle School Curriculum		

(Continued on reverse)

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AREA III.		
Research: 3-9 hours		
Area III is designed to pursue an understanding of how knowledge is gained, how to verify knowledge, and how to judge its value.		
A. Required Courses: Choose one of the following courses – 3 hours	GR.	S.H.
EDU 500 Methods of Research*		3
EDU 521 Methods of Research (Biology)*		
*It is recommended that a methods of research course be taken early in this program.		
B. Elective – Select with advisement: 3-6 hours	GR.	S.H.
EDU 503 Thesis (6 hours, awarded at completion of thesis) Prerequisite: an appropriate research/methodology course.		3-6
EDU 580 Independent Study – Secondary Education		

AREA IV.		
Subject Specialization: 12-15 hours in biology		
Area IV is designed to provide the opportunity for scholarly growth in the field of biology. Any graduate-level biology course (at 400 level or higher) is acceptable for Area IV.		
A. Required: 12-15 hours in biology	GR.	S.H.
		12-15
B. Electives: Select from the following: 3 hours	GR.	S.H.
Note: Students taking the minimum number of credits in Areas I-IV will have 3 credits remaining to be completed as a free elective. These 3 credits may be satisfied by taking any graduate-level course. Special consideration should be given to the following:		
ITC 514 Instructional Technology		3
ITC 525 Microcomputers for Educators		
EDU 523 Assessment: Issues and Concerns for Teachers		
EDU 542 Academy for the Mentoring of Teachers: Cooperating Teachers, Professional Semester Teachers and Field Teachers		
EDU 564 Foundation of the Middle Level Learner		
EDU 565 Special Topics in Education		
SEU 540 Reading, Writing and Critical Thinking for the Middle and High School Levels		
SEU 544 Effective Secondary Education Seminar		
SPU 511 Teaching the Exceptional Child in the Regular Classroom		

COMPREHENSIVE EXAMINATION (REQUIRED)
A comprehensive examination is required and generally completed at the end of the student's program. The exam is offered three times per year and may be scheduled by contacting the Secondary Education Office. PREREQUISITE: METHODS OF RESEARCH – EDU 500, EDU 521, OR MAU 531

Program # 57005 - Version # 20103 - Program Effective: Fall 2009
Approved:

Dr. Darrell Garber, Dean, College of Education