

# Secondary Science Teacher Certification Requirements

## Biology

### Master of Arts in Teaching Program

Candidate: \_\_\_\_\_

Campus ID: \_\_\_\_\_

<i>All Courses Must be Completed with a C or Better</i>					
<b><u>CONTENT REQUIREMENTS FOR BIOLOGY</u></b>					
	<b><u>Semester</u></b>	<b><u>Grade</u></b>	<b><u>PROFESSIONAL EDUCATION REQUIREMENTS:</u></b>		
Zoology	_____	_____	<i>A GPA of 2.75 is required for official program entry. A GPA of 3.0 is required for entering internship. Students must attain a B or better in all required education courses at the 400 level.</i>		
Botany	_____	_____	<b><u>EDUCATION CORE COURSES</u></b>	<b><u>Semester</u></b>	<b><u>Grade</u></b>
Cell Biology <b>OR</b> Biochemistry or Microbiology	_____	_____	EDUC 601 Human Learning & Cognition (3)	_____	_____
Ecology or Marine Biology	_____	_____	EDUC 602 Instructional Systems Development (3)	_____	_____
Evolution or Genetics	_____	_____	EDUC 650 Education in Cultural Perspective (3)	_____	_____
Physiology	_____	_____	EDUC 658 Literacy in the Content Area I (3)	_____	_____
<b>NOTE: 4 of the above courses must have a lab.</b>	_____	_____	EDUC 678 Instructional Strategies/Students with Diverse Needs (3)	_____	_____
			Content Elective (3)	_____	_____
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History of Science (645 or 646)	_____	_____			
Physics	_____	_____	<b><u>PHASE I INTERNSHIP SEMESTER (Fall Only)*</u></b>		
College Algebra	_____	_____	EDUC 659 Literacy in the Content Area II (3)	_____	_____
Chemistry I	_____	_____	EDUC 629 Instructional Strategies for Science (3)	_____	_____
Chemistry II	_____	_____	EDUC 789 Phase I Internship & Seminar (1)	_____	_____
Adolescent or Developmental Psychology	_____	_____			
			<b><u>PHASE II INTERNSHIP SEMESTER (Spring Only)*</u></b>		
			EDUC 793S Internship Phase II (5)	_____	_____
			EDUC 797 Internship Seminar (1)	_____	_____
			EDUC 791P Practicum in Education(3)	_____	_____
<i>*See <a href="https://education.umbc.edu/internship/">https://education.umbc.edu/internship/</a> for internship requirements.</i>					

**Information about Praxis Test Requirements:** <https://www.ets.org/praxis/md/test-takers/plan-your-test/certification.html>