

Northwest Florida State College

BACHELOR OF SCIENCE IN MIDDLE GRADES SCIENCE TEACHER EDUCATION

LOWER DIVISION (ASSOCIATE DEGREE) COURSES

The following sixty-credit program of study is designed to prepare students not only for the AA degree, but also for the general knowledge test and middle grades science subject area test in the Florida Teacher Certification Exam (FTCE).

If you plan to be a middle grades science teacher and are just beginning your AA degree, this program of study will best prepare you for that career choice. If you have already completed your AA degree and some of your general education courses differ from those listed below, your AA degree will still meet that component of the admission process; however, you may need to complete additional coursework, independent study, or workshops to be well prepared for the middle grades science subject area FTCE test. A passing score on the FTCE Middle Grades Science subject area test is one of the graduation requirements for this degree. Please note that some courses below may require lower division prerequisites not specified as program requirements.

Courses with the “C” or “L” designation include an extra number of “lab” hours to accommodate field experiences.

General Education Course Requirements		Credit Hours
ENC 1101	English Composition I	3
ENC 1102	English Composition II	3
MAC 1105	College Algebra	3
MAC 1140	Pre-calculus Algebra	3
_____	General Education Humanities	6
_____	General Education Social Science/History/Government course	3
PSY 2012	Psychology	3
GLY 2010C	Physical Geology ¹	4
BSC 1010C	Principles of Biology I ²	4
CHM 1025	Chemical Science OR PHY 1020 Physical Science	4
Total General Education Credits		36

¹ Other general education natural science courses may meet program requirements; see your advisor.

² All students must take a two-course science sequence with a lab. If you substitute CHM 1045C or PHY 1053C for BSC 1010C in your General Education, then you must substitute CHM 1046C or PHY 1054C for BSC 1011C in the Common Prerequisites.

Common Pre-requisites		Credit Hours
EDF 1005	Introduction to Education	3
EDF 2085	Teaching Diverse Populations	3
EME 2040	Introduction to Educational Technology	3
GLY 2010C	Physical Geology ^{1,3}	4
BSC1010C	Principles of Biology II ²	4
OCE 1001C	Oceanography	3
Total Common Pre-requisites Credits		20

¹ Other general education natural science courses may meet program requirements; see your advisor.

² All students must take a two-course science sequence with a lab. If you substitute CHM 1045C or PHY 1053C for BSC 1010C in your General Education, then you must substitute CHM 1046C or PHY 1054C for BSC 1011C in the Common Prerequisites.

³ Some students may have satisfied this requirement in their General Education courses, in which case another college credit course may be substituted here.

Lower Division Elective	Credit Hours	
_____ A science elective	4	
Total Lower Division Elective Credits		4

TOTAL LOWER DIVISION (ASSOCIATE DEGREE) REQUIREMENTS⁴ 60

⁴ Students who do not have foreign language requirement at the high school level will need to complete eight (8) credits of foreign language.

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UPPER DIVISION COURSES

Core Professional Education Courses		Credit Hours
EDF 3131C	Learning and the Developing Adolescent	3
EDF 3430	Measurement, Evaluation & Assessment in Education	3
EEX 3070	Methods of Inclusion & Collaboration	3
EDG 3410C	Classroom Management, School Safety, Law & Ethics	3
EDG 3343	Instructional Strategies	3
EME 3410C	Integrating Technology in the Classroom	3
TSL 4081C	TESOL Issues and Practice	3
RED 3335C	Teaching Reading in the Content Areas	3
RED 3324C	Teaching in the Middle School Curriculum	3
Total Core Professional Education Credits		27

Additional Courses Required		Credit Hours
SCE 4320C	Teaching Methods in Middle Grades Science	3
SCE 4940C	Teaching Methods in Middle Grades Science Field Experience	1
ISC 4145	Environmental Systems	3
CHM 1025	Chemical Science	
	OR	
PHY 1020	Physical Science	4
	Three science electives	12
Total Additional Courses Required Credits		23

Internship (Student Teaching)		Credit Hours
SCE 4945	Internship: Middle Grades Science Education	9
SCE 4930C	Seminar in Science Education	1
Total Student Teaching Credits		10

TOTAL UPPER DIVISION CREDITS	60
TOTAL CREDITS FOR THE DEGREE	120