



**B.A.E. Secondary Education (Biological Sciences)
Secondary Education Program (SED)
Initial Teacher Certification (ITC) program**

Catalog: 2006-2007

NOTE: To determine catalog year, please refer to the "Guidelines for Determination of Catalog Year" in the undergraduate general catalog.

I. First Year Composition (3-6 hours)

	ASU Hours	Trans Hours	Gr	Upp Div
ENG 101:First Year Comp 1 and	3			
ENG 102:First Year Comp 2 <i>or, if eligible</i>	3			
ENG 105: Advance First Year Comp (3)	3			

Sub Total (I): 3-6

II. University General Studies (35 hours)

Awareness Areas (6 hrs. minimum and must fulfill all 3)
Double counting is permissible between Awareness Areas, other courses that fulfill graduation requirements, and within the Awareness Areas.

_____	Global Awareness (G)
BIO 316/HPS 330	Historical Awareness (H)
SPE 311	Cultural Diversity (C)

Humanities/Fine Arts & Social/Behavioral Sciences (15 hours)

Required: 15 hours combined; 6 hours in one area, 9 hrs in the other AND one course must be upper division.

HU:	3			
HU:	3			
SB: EDP 310	3			X
SB: SPE 311	3			X
HU or SB:	3			

Natural Sciences (8 hours)

SQ: BIO 187	4			
SG: BIO 188	4			

Literacy and Critical Inquiry (6 hours)

L: SPF 301	3			X
L:	3			

Mathematics & Statistics/Computer Applications (6 hours)

MA: MAT 170	3			
CS:	3			

Sub Total (II): 35

III. College of Education Requirements (3 hours)

SPE 311: Orient. Ed of Exceptional Child	3			X
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Sub Total (III): 3

IV. SED Program Requirements (44 hours)

Courses will change depending on the semester a student is admitted to the program. An updated program check sheet will be provided upon ITC admission.

BLE 407: SEI for Secondary Education	3			X
EDP 303: Human Development <i>or</i>	3			X
EDP 313: Childhood & Adolescent Develop.				
EDP 310: Educational Psychology	3			X
EDT 300: Computers in Education	1			X
RDG 301: Literacy & Inst. in Content Area	3			X
SPE 417: Inclusion Practices at SED Level	3			X
SPF 301: Culture and Schooling	3			X
SPF 401: Teachers and the Law	1			X
SED 403: Middle/SED Princ. Curr. & Meth.*	3			X
SED 496: Field Experience	1			X
BIO 480: Methods of Teaching Biology*	3			X
SED 496: Field Experience	1			X
BIO 482: Advanced Methods of Teach. Bio.*	3			X
SED 496: Field Experience	1			X
SED 478: Student Teaching	12			X

Sub Total (IV): 44

* Course requires concurrent enrollment in field experience.

V. Academic Specialization (56-57 hours)

	ASU Hours	Trans Hours	Gr	Upp Div
BIO 187: General Biology I	4			
BIO 188: General Biology II	4			
BIO 320: Fundamentals of Ecology	3			X
BIO 340: General Genetics	4			X
BIO 345: Organic Evolution	3			X
BIO 360: Animal Physiology <i>or</i>	3-4			X
PLB 308: Plant Physiology				
BIO 316: History of Biology <i>or</i>				
HPS 330: History of Biology <i>or</i>	3			X
HPS 322: History of Science <i>or</i>				
PHI 322: Science & Technology History				
<i>Electives – select one of the following:</i>				
BIO 370: Vertebrate Zoology				
BIO 385: Comparative Invertebrate	4			X
PLB 300: Comparative Plant Diversity				
PLB 310: The Flora of Arizona				
MIC 205/206: Microbiology and lab <i>or</i>	4			
MIC 220/206: Biology Micro. and lab				
<i>Electives – minimum 6 hours</i>				
Cannot use BIO 100, BIO 120, BIO 201, BIO 202, BIO 241, BIO 300, BIO 319, PLB 108, or PLB 320.				

Sub Total (V): 56-57

Related Area

CHM 113: General Chemistry	4			
CHM 116: General Chemistry	4			
GLG 102: Intro. to Geology II <i>or</i>	3			
GLG 300: Geology of Arizona				
MAT 170: Pre-calculus	3			
PHY 101: Introduction to Physics (PHY 111, 113, 112, and 114 can be substituted.)	4			

A minimum grade of "C" is required for ALL courses used in sections III, IV, and V.

I. & II. University Requirements	III. College Requirements	IV. Program Requirements	V. Academic Specialization	Double Dipping	Total
38 – 41	3	44	56 – 57	- 20	121 – 125

Students will be recommended for a middle grade endorsement upon completion of EDP 313, SED 403 (with a "C" or better), and student teaching in grades 7-9. (The endorsement requirements are determined by the Department of Education and are subject to change.)

Initial Teacher Certification (ITC) programs in the College of Education have pre-requisite coursework and experience. A formal application is required for admission. Please refer to our website, <http://coe.asu.edu/oss> for more information about our programs, courses, application process, and admission criteria.

BAE in Secondary Education (Biological Sciences)

College of Education students complete pre-professional coursework and then apply to the Initial Teacher Certification (ITC) program in the second semester of their sophomore year. Students are NOT guaranteed admission into the ITC program. Admission is based on a competitive application process.

PRE-PROFESSIONAL PROGRAM

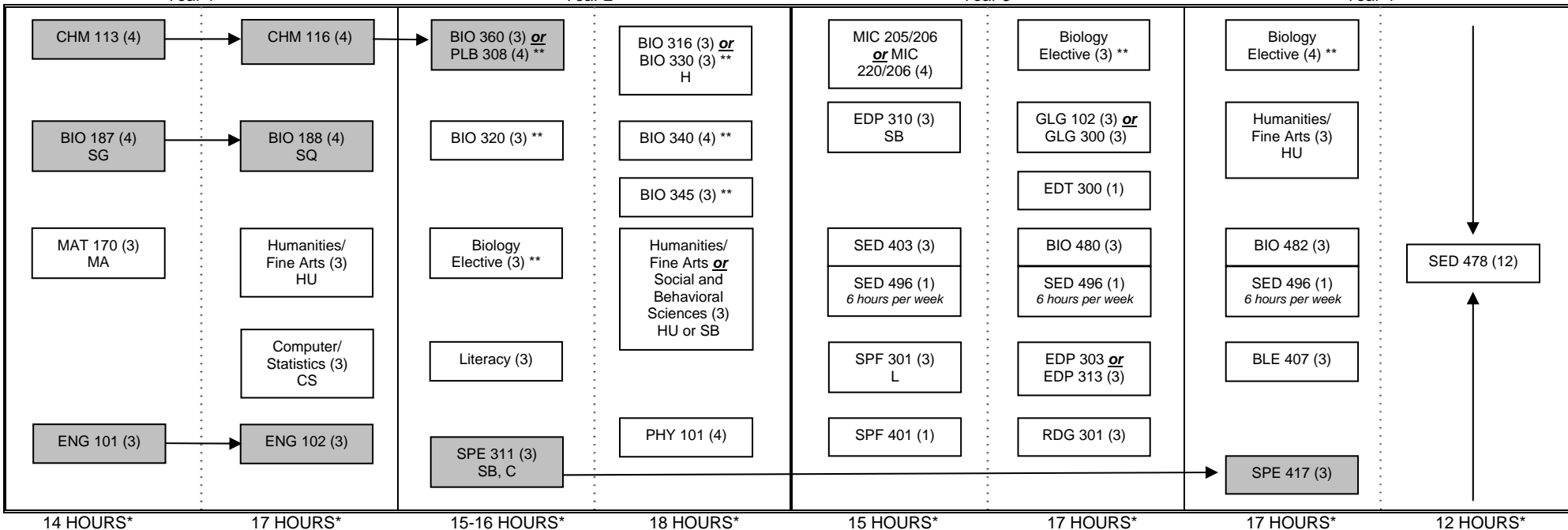
PROFESSIONAL PROGRAM

Year 1

Year 2

Year 3

Year 4



* Indicates suggested course load in order to complete degree program in 4 years.

** All upper division biology courses require BIO 187 as a pre-requisite.

Shaded boxes and arrows indicate courses with prerequisites.

Academic Specialization Admission Requirements

The following courses must be completed with a "C" or higher **before** applying to the ITC program

- BIO 187: General Biology I
- BIO 188: General Biology II
- And at least 12 hours of required biology courses. (Courses may be in progress when applying to ITC but must be completed prior to starting the program. Related area in BIO specialization does not count.)

Additional Information

- Registration in field experience is required for each semester in the program.
- All specialization courses, general studies, and ITC courses must be completed prior to student teaching.
- A "C" grade minimum is required in academic specialization and ITC courses.
- Students in CoE have two catalog years: an ASU catalog year and a College of Education catalog year.

Academic Advising

All newly admitted students to the ASU College of Education are admitted as pre-professional education majors. Pre-professional students are advised by a team of academic advisors whose primary focus is on preparing students for admission into the Initial Teacher Certification (ITC) program during their junior year. Pre-professional students are strongly encouraged to meet each semester with the pre-professional team of advisors to ensure proper progression through their chosen major. It is crucial that all applicants seeking application to the ITC program gain valuable experience with the population of students they intend to teach; the Office of Student Services can provide information on various opportunities to gain such experience.

Once admitted to the ITC, students are assigned to a professional program advisor.

To schedule an appointment with a pre-professional or professional program advisor, call (480) 965-5555.