



**B.A.E. Secondary Education (Earth & Space Science)
Secondary Education Program (SED)
Initial Teacher Certification (ITC) program**

Catalog: 2007-2008

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 (3) and	3			
ENG 102:First Year Comp 2 (3) <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)
- _____ 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 311	3			X
SB: SPE 311	3			X
HU or SB:	3			

Natural Sciences (8 hours)

SQ: CHM 113	4			
SG: PHY 111	4			

Literacy and Critical Inquiry (6 hours)

L: SPF 301	3			X
L:	3			

Mathematics & Statistics/Computer Applications (6-7 hours)

MA: MAT 210 or MAT 270	3-4			
CS:	3			

Sub Total (II): 35-36

ASU 101: The ASU Experience	1			
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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 311: 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
SED 4XX: Science Methods	3			X
SED 496: Field Experience	1			X
GLG 490/SES 480: Teach. Earth & Space Sci.	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 (53-54 hours)

	ASU Hours	Trans Hours	Gr	Upp Div
SES 111: Exploration Of Science Teaching	1			
SES100: Introduction to Exploration	3			
SES 101/103: Earth, Solar System and Universe I with Lab	4			
SES 102/104: Earth, Solar System and Universe II with Lab	4			
SES 210: Engineering Systems	3			
GLG 310: Structural Geology	3			X
SES 311: Introduction to Astrobiology	3			X
GLG 321: Mineralogy	3			X
SES 400: Colloquium	1			X
SES 410/411: Senior Exploration Project <i>OR</i>	3			X
GLG 451: Field Geology				

400 level courses in GLG, GPH, SES or Related Disciplines

	3			X
	3			X

Related Area

CHM 113/SES 113:General Chemistry	4			
CHM 116/SES 116:General Chemistry	4			
MAT 210: Brief Calculus <i>or</i>	3-4			
MAT 270: Calculus I				
PHY 111/113: General Physics w/ Lab	4			
PHY 112/114: General Physics w/ Lab	4			

Sub Total (V): 53-54

I. & II. University Requirements	III. College Requirements	IV. Program Requirements	V. Academic Specialization	VI. Free Electives ¹	Double Dipping	Total
38-42	3	44	53-54	0-2	-20/21	120

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.)

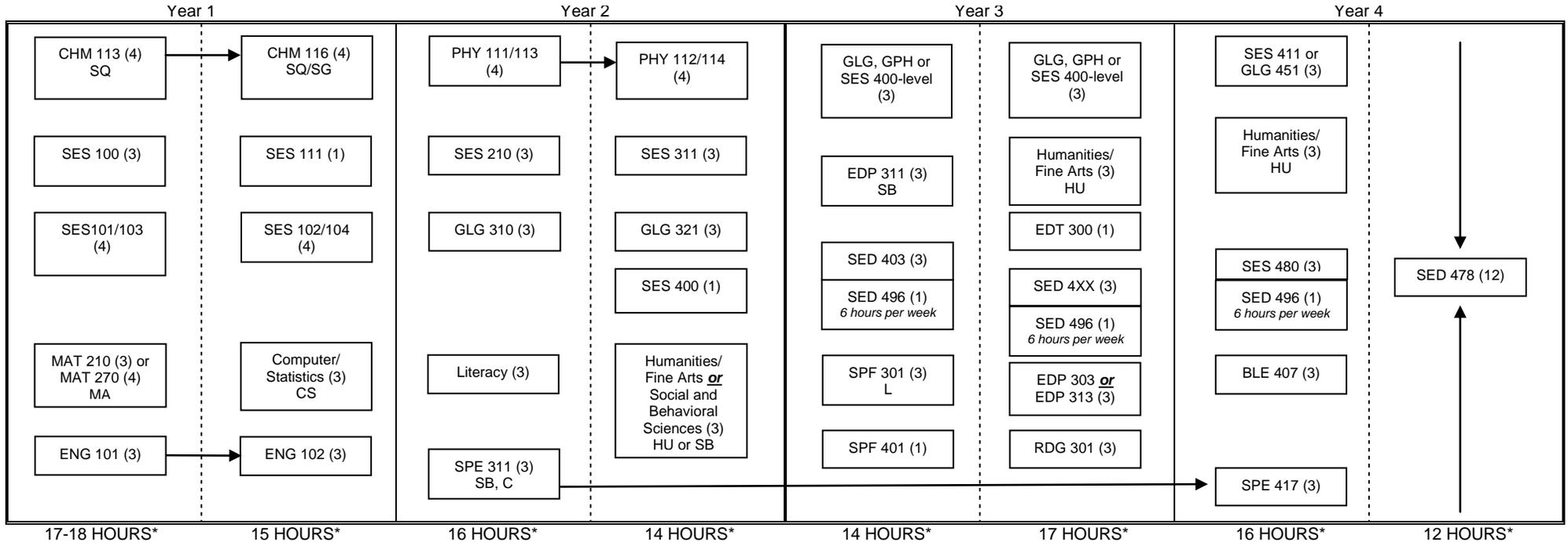
Initial Teacher Certification (ITC) programs in the College of Education have pre-requisite coursework and experience. A formal portfolio is required to being ITC courses. Please refer to our website, <http://coe.asu.edu/oss> for more information about our programs, courses, application process, and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

BAE in Secondary Education (Earth & Space Science)

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



* 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.

Arrows indicate courses with prerequisites.

Academic Specialization Admission Requirements

The following courses must be completed with a grade of "C" (2.0) or higher before applying to the ITC program:

- **SES100: Introduction to Exploration**
- **SES 101/103: Earth, Solar System, and Universe I and Lab**
- **SES 102/104: Earth, Solar System, and Universe II and Lab**
- **SES111: Explore Science Teaching**
- **CHM113: General Chemistry I**
- **CHM 116: General Chemistry II**

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.

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 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.