



**B.A.E. Secondary Education (Chemistry)
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 and	3			
ENG 102: First Year Comp 2 <i>or, if eligible</i>	3			
ENG 105: Advance First Year Comp	3			

Sub Total (I): 3-6

II. University General Studies (36 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 & 113	4			

Literacy and Critical Inquiry (6 hours)

L: SPF 301	3			X
L:	3			

Mathematics & Statistics/Computer Applications (7 hours)

MA: MAT 270	4			
CS:	3			

Sub Total (II): 36

III. College of Education Requirements (3 hours)

SPE 311: Orient. Ed of Exceptional Child	3			X
ASU 101: The ASU Experience	1			

Sub Total (III): 3

IV. SED Program Requirements (41 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
CHM 480: Methods of Teaching Chemistry*	3			X
SED 496: Field Experience	1			X
SED 496: Field Experience	1			X
SED 478: Student Teaching	12			X

Sub Total (IV): 41

* Course requires concurrent enrollment in field experience.

V. Academic Specialization (45 hours)

	ASU Hours	Trans Hours	Gr	Upp Div
CHM 113: General Chemistry	4			
CHM 116: General Chemistry	4			
CHM 233: General Organic Chemistry <i>and</i>	3			
CHM 237: General Organic Chemistry Lab	1			
CHM 234: General Organic Chemistry <i>and</i>	3			
CHM 238: General Organic Chemistry Lab	1			
CHM 325: Analytical Chemistry <i>and</i>	3			
CHM 326: Analytical Chemistry Lab	1			X
<i>Choose two courses:</i>				
BCH 361: Principles of Biochemistry <i>or</i>	3			X
CHM 302: Environmental Chemistry <i>or</i>	3			X
CHM 453: Inorganic Chemistry				
CHM 341: Elementary Physical Chemistry (<i>CHM 345 and CHM 346 can be substituted.</i>)	3			X

Related Areas

MAT 270: Calculus w/Analytical Geometry I	4			
MAT 271: Calculus w/Analytical Geometry II	4			
PHY 111: General Physics <i>and</i>	3			
PHY 113: General Physics Lab	1			
PHY 112: General Physics <i>and</i>	3			
PHY 114: General Physics Lab	1			

Sub Total (V): 45

VI. Free Electives¹ (0-10 hours)

Sub Total (VI): 0-10						

I. & II. University Requirements	III. College Requirements	IV. Program Requirements	V. Academic Specialization	VI. Free Electives ¹	Double Dipping	Total
39-42	3	41	45	0-13	-21	120

¹ Depending on how students share required courses with general studies, the number of elective hours varies.

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 begin ITC courses. Please refer to our website, <http://coe.asu.edu/oss> for more information about our programs, courses, application process, and admission criteria.

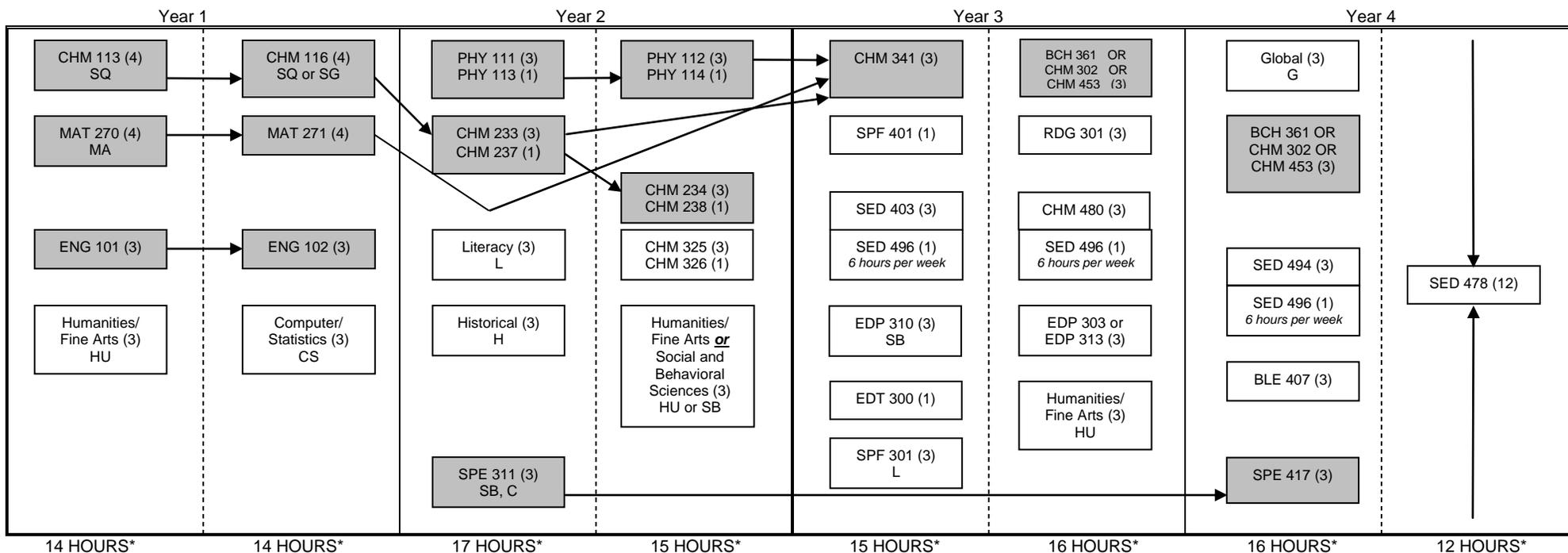
Updated: 07/07/07

BAE in Secondary Education (Chemistry)

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. 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:

- CHM 113: General Chemistry
- CHM 115: General Chemistry with Qualitative Analysis
- CHM 233: General Organic Chemistry
- CHM 237: General Organic Chemistry Lab

The following courses may be in progress when applying to the ITC but must be completed with a "C" or higher before starting the program:

- CHM 234: General Organic Chemistry
- CHM 238: General Organic Chemistry Lab

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.