

SSME-CHEMISTRY EDUCATION

First Semester			Second Semester		
Chem 105	General Chemistry I	(4-4)6	Chem 106	General Chemistry II	(4-4)6
Math 117	Calculus I	(4-2)5	Math 118	Calculus II	(4-2)5
Phys111	Physics I (Mechanics)	(4-2)5	Phys112	Physics II (Electrics and Mag))	(4-2)5
ENG101	Development of Reading and Writing Skills I	(4-0)4	ENG102	Development of Reading and Writing Skills I	(4-0)4
			IS 100	Introduction to Information Technologies and Applications	NC

Third Semester			Fourth Semester		
Chem 221	Analytical Chemistry I	(4-0)4	Chem 234	Organic Chemistry I	(4-0)4
Chem 223	Analytical Chemistry Lab I	(0-6)3	Chem 236	Organic Chemistry Lab I	(0-4)2
Chem 233	Introduction to Organic Chemistry	(2-0)2	Chem 252	Physical Chemistry I	(4-0)4
Chem 257	Mathematics for Chemists	(4-0)4	Chem 254	Physical Chemistry Lab I	(0-4)2
EDS200	Introduction to Education	(3-0)3	SSME210	Theories and Approaches in Teaching & Learning of Sci./Math	(3-0)3
History 2201	Principles of Kemal Atatürk II	NC	Eng 211	Academic Oral Presentation Skills	(3-0)3
Elective		(3-0) 3	History 2202	Principles of Kemal Atatürk II	NC

Fifth Semester			Sixth Semester		
Chem 301	Organic Chemistry II	(4-0)4	Chem 322	Analytical Chemistry II	(4-0)4
Chem 353	Physical Chemistry II	(4-0)4	Chem 324	Analytical Chemistry Lab II	(0-6)3
Chem 361	Inorganic Chemistry I	(4-0)4	SSME302	Measurement and Evaluation in Sci./Math Educ.	(3-0)3
SSME301	Curriculum Development & Instruction in Sci./Math Educ.	(3-0)3	SSME310	Methods of Science/ Mathematics Teaching I	(2-2)3
Chem 200	Colloquium in Chemistry I	NC	ENG311	Advanced Communication Skills	(3-0)3
TURK 305	Oral Communication	(2-0)2	TURK 306	Written Expression	(2-0)2

Seventh Semester			Eighth Semester		
SSME411	Methods of Science/Mathematics Teaching II	(2-2)3	SSME446	Practice Teaching in Science/ Mathematics Education	(2-6)5
SSME417	Instructional Technology and Material Development	(2-2)3	EDS424	Guidance	(3-0)3
SSME433	School Experience in Science/ Mathematics Education	(1-4)3	Departmental Elective		(3-0)3
SSME 403	Laboratory Experiments in Science Education	(3-0)3	Restricted Elective		(3-0)3
EDS304	Classroom Management	(2-2)3			

- Elective: Courses offered by any department
- Restricted Elective: Chem 362 Inorganic Chemistry II or Chem 350 Quantum Chemistry, offered by Department of Chemistry