

East Central College

/Associate of Arts to Bachelor of Science in Chemistry: Comprehensive Chemistry (Foundational Chemistry Track)

Students should complete the Associate of Arts Degree (AA) at East Central College to prepare for a smooth transition to a Bachelor of Science in Chemistry: Comprehensive Chemistry Option (Foundational Chemistry Track) at Southeast Missouri State University.

ECC / FIRST SEMESTER	
CHM111 General Chemistry I	5
COL100 Campus Orientation	0
COL 101 Falcon Seminar: STEM	1
COM101 Oral Communications or COM110 Public Speaking	3
ENG 101 English Comp. I	3
MTH 190 Analytical Geometry & Calculus I	5
PSC CIVICS Civics Achievement Exam	0
<i>Total Hours</i>	17

ECC / SECOND SEMESTER	
CHM112 General Chemistry II	5
ENG102 English Comp II or ENG104 Technical Writing	3
HST101 US History to 1877, HST102 US History since 1877, or PSC102 U.S. Government I	3
MTH 210 Analytical Geometry & Calculus II	5
<i>Total Hours</i>	16

ECC / THIRD SEMESTER	
CHM 205 Organic Chemistry I	5
Core 42 Social Science Requirement	3
Core 42 Humanities/Fine Arts Requirement	3
Core 42 Humanities/Fine Arts Requirement	3
<i>Total Hours</i>	14

ECC / FOURTH SEMESTER	
CHM 206 Organic Chemistry II	5
Core 42 Social Science Requirement	3
Core 42 Humanities/Fine Arts Requirement	3
PHY211/PHY212 General Physics I	5
<i>Total Hours</i>	16

SOUTHEAST / FIFTH SEMESTER	
CH271 Foundations of Analytical Chemistry	5
CH306 Inorganic Chemistry	3
PH121 Introductory Physics or PH231 General Physics II	5
Electives (300 level or above)	3
<i>Total Hours</i>	16

SOUTHEAST / SIXTH SEMESTER	
CH295 Chemistry Seminar II	2
CH531 Foundations of Biochemistry	3
CH575 Chemical Instrumentation or CH Electives	3-4
Electives	6
<i>Total Hours</i>	14-15

SOUTHEAST / SEVENTH SEMESTER	
CH360 Polymer Chemistry	1
CH Electives (300 level or higher)	3-4
Electives (300 level or above)	9
<i>Total Hours</i>	13-14

SOUTHEAST / EIGHTH SEMESTER	
CH575 Chemical Instrumentation or CH Electives	3-4
CH Electives (300 level or higher)	6
CH495 Chemistry Seminar 3	1
Electives (300 level or above)	3
<i>Total Hours</i>	13-14

Degree requirements for all students: A minimum of 120 credit hours, completion of the General Education program, and 39 senior division hours (at or above the 300-level). In addition, a minimum of 30 credit hours must be taken in residence (at Southeast) which could result in needing additional credit hours.

Students should refer to Southeast's Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.