



## Jefferson College

### /Associate of Arts to Bachelor of Science in Chemistry: Biochemistry

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

JEFFERSON COLLEGE / FIRST SEMESTER	
CIS 125 Computer Concepts and Applications	3
CHM 111 General Chemistry I	5
COL 101 Intro to College: Strategies for Success	1
ENG 101 English Composition I	3
MTH 180 Calculus I	5
<b>Total Hours</b>	<b>17</b>

JEFFERSON COLLEGE / SECOND SEMESTER	
BIO 101 General Biology	5
CHM 112 General Chemistry II	5
ENG 102 English Composition II	3
MTH 185 Calculus II	5
<b>Total Hours</b>	<b>18</b>

JEFFERSON COLLEGE / THIRD SEMESTER	
CHM 200 Organic Chemistry I	5
ECO 101 Macroeconomics	3
PSC 102 U.S. and Missouri Governments and Constitutions	3
Humanities course	3
Social Science course	3
<b>Total Hours</b>	<b>17</b>

JEFFERSON COLLEGE / FOURTH SEMESTER	
CHM 201 Organic Chemistry II	5
COM 100 Fundamentals of Communication	3
HST 103 US History I to Reconstruction	3
Humanities course	3
Humanities course	3
<b>Total Hours</b>	<b>17</b>

SOUTHEAST / FIFTH SEMESTER	
BI 173 Cell and Organismal Biology	4
CH 271 Foundations of Analytical Chemistry	5
CH 531 Foundations of Biochemistry	3
PH 120 Introductory Physics I	5
<b>Total Hours</b>	<b>17</b>

SOUTHEAST / SIXTH SEMESTER	
BI 283 Genetics	4
CH 295 Chemistry Seminar II	2
CH 532 Advanced Biochemistry	2
CH 533 Biochemistry Laboratory	2
PH 121 Introductory Physics II	5
<b>Total Hours</b>	<b>15</b>

SOUTHEAST / SEVENTH SEMESTER	
BI 310 General Microbiology	4
CH 420 Forensic Chemistry	4
BI, CH, FS Electives (300 level or higher)	4
CH 306 Inorganic Chemistry	3
Elective (300 level or above)	3
<b>Total Hours</b>	<b>18</b>

SOUTHEAST / EIGHTH SEMESTER	
BI 245 Laboratory Methods in Biotechnology	3
CH 495 Chemistry Seminar III	1
CH 575 Chemical Instrumentation	4
FS 552 Forensic Serology & DNA Analysis	2
MA 423 Statistical Analysis for Forensic Science	3
Elective (300 level or above)	4
<b>Total Hours</b>	<b>17</b>

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.