

**Elgin Community College & Aurora University  
BS Chemistry 2 + 2 plan**

**First Year at ECC**

<b>First Semester</b>		<b>Second Semester</b>	
<b>ECC</b>	<b>AU</b>	<b>ECC</b>	<b>AU</b>
ENG 101 English Composition I (3)	ENG 1000 Composition (4)	ENG 102 English Composition II (3)	English Elective (4)
MTH 190 Calculus I (5)	MTH 2210 Calculus (4, Quant and Formal Reasoning)	MTH 210 Calculus II (5)	MTH 2220 Calculus II (4)
CHM 142 General Chemistry I (5)	CHM 1310/Z General Chemistry I (4, Scientific Inquiry)	CHM 143 General Chemistry II (5)	CHM 1320/Z General Chemistry II (4)
Fine Arts Gen Ed* (3)	General Education (4, Artistic Literacy)	APS 101 Earth Science (4)	NSM 1400 Earth and Space Science (4, Scientific Inquiry)

**Second Year at ECC**

<b>Third Semester</b>		<b>Fourth Semester</b>	
<b>ECC</b>	<b>AU</b>	<b>ECC</b>	<b>AU</b>
CMS 101 Fundamentals of Speech (3)	COM 1550 Professional Communication (4)	CHM 235 Organic Chem II (5)	CHM 2420/Z Organic Chm II (4)
CHM 234 Organic Chemistry I (5)	CHM 2410 Organic Chemistry I (4)	PHY 212 Engineering Physics II (5)	PHY 2250/Z Physics II (4, Calc based)
PHY 211 Engineering Physics (5)	PHY 2240(Z) Physics I (4, Calc based)	Humanities Gen Ed* (3)	Elective (3-4)
Behavioral Science Gen Ed* (3)	General Education (4, Human Inquiry)	Social Science Gen Ed* (3)	General Education (4, Cultural Literacy)

\*Must complete 1 Human Relations (Non-Western/Human Diversity course) to satisfy A.S. degree requirement at ECC, including options in **bold** below.

FINE ARTS (AU Artistic Literacy) –

ART 115, 130, 151, 152, **154**, 155, 231, 232

MUS **104**, 105, 106, 107, 145, 146

THE 100, 122, **124**, CMS 106

SBS – (one of these, AU Human Inquiry) –

PSY 100, 212, 214, 218, PSY/SOC 215

SOC 100, 201, **209**, 210, **220**

SBS - (one of these, AU Cultural Literacy) –

HIS 101, 102, **115**, **116**, **119**, **120**, **121**, **130**, **131**, **140**, **141**, 151, 152, **180**, **189**, **190**

ATR **120**, 210, **220**

GEO **116**, **216**

*Consider a double-major in chemistry, math, health science, human animal studies, or environmental studies and sustainability*

**Third Year at Aurora University**

**(Consider Double Majors)**

<b>Fifth Semester</b>	<b>Sixth Semester</b>
IDS 3500 Junior Mentoring (0.5)	IDS 3550 Junior Mentoring (0.5)
CHM 3510 Physical Chemistry (3)	CHM 3520 Physical Chemistry II (3)
CHM 3510Z Physical Chemistry I Lab (1)	CHM 3650 Instr. Methods of Analysis (3)
CHM 2450 Analytical Chemistry (3)	CHM 3650Z Instr. Methods of Analysis Lab (1)
CHM 2450Z Analytical Chemistry Lab (1)	Course toward double major (4)
Course towards double major (4)	

**Fourth Year at Aurora University**

<b>Seventh Semester</b>	<b>Eighth Semester</b>
CHM 3570 Inorganic Chemistry of Materials (4)	CHM 4500 Chemical Research Methods (1)
CHM 3555 Biochemistry (3)	Course toward double major (4)

CHM 3555Z Biochemistry Lab (1)	Course toward double major (4)
Course toward double major (4)	Course toward double major (4)
Course toward double major (4)	Course toward double major (4)

**Fifth Year at Aurora University – Plus One MAT (Master of Arts in Teaching)**

<b>Summer</b>	<b>Fall</b>	<b>Spring</b>
EDU 6180 Methods of ESL/BE education (3)	EDU 6195 Methods of Reading (3)	EDU 6780 Secondary Student Teaching Seminar (1)
EDU 6185 Methods of Teaching Exceptional Children (3)	EDU 6245 Methods of Teaching and Assessing Diverse Learners in Secondary classroom (3)	EDU 6260 Methods of Educational Research (1)
EDU 6190 Methods of Educational Psychology (3)	EDU 6205 Methods of Content Area Literacy (3)	EDU 6730 Student Teaching (10)
	EDU 6270 or 6280 or 6285 or 6275 Methods of Teaching Secondary English (Science or Social Studies or Mathematics) (3)	