

CHEMISTRY



Toward a Bachelor of Science Degree
or a Bachelor of Arts Degree

Minimum 62 hours

Transfer Curriculum • Associate in Science Degree • Minimum 2.0 OGPA • Major Code: DAS

This curriculum is designed for transfer to four year institutions for this major. Consult the website of the four year institution where you plan to transfer, regarding specific course needs, requirements and deadlines.

FIRST YEAR

Fall Semester		Credit Hrs
ENG 121	Rhetoric & Composition I	3
MATH 161	Pre-Calculus	4
CHEM 121	General Chemistry I	5
BIOL 221	General Biology I	4
Total Hours		16

Spring Semester		Credit Hrs
ENG 122	Rhetoric & Composition II	3
MATH 162	Calculus I	5
CHEM 122	General Chemistry II	5
BIOL 222	General Biology II	4
PHIL 122	Fundamentals of Logic	3
Total Hours		20

SECOND YEAR

Fall Semester		Credit Hrs
COM 121	Principles of Speaking	3
MATH 221	Calculus II	5
CHEM 241	Organic Chemistry I	5
PHYS 221	General Physics I	5
Total Hours		18

Spring Semester		Credit Hrs
SOCIAL AND BEHAVIORAL SCIENCES (See Below)		3
FINE ARTS (See Below)		3
CHEM 242	Organic Chemistry II	5
PHYS 222	General Physics II	5
SOCIAL AND BEHAVIORAL SCIENCES (See Below)		3
Total Hours		19

The bolded classes on this curriculum guide indicate the minimum a student must complete in order to receive an Associate degree. See advisor for specific transfer information.

Recommended Course: MATH 225-3 Differential Equations

Suggested electives: BTC 121-3 Scientific Literature for Biotech, BTC 221-4 Introduction to Biotechnology, BTC 241-3 Immunology for Biotechnology, or BTC 242-3 Cell & Molecular Biology.

Physical Chemistry majors: take MATH 222-4 Calculus III

If pursuing a Forensic Science minor: take CRJ 112-3 Criminal Behavior, CRJ 136-3 Intro to Criminal Justice, and PHIL 221-3 Ethics.

It is suggested that students take classes during the summer to lessen course loads in the fall and spring semesters.

FINE ARTS: 3 semester hours.

Area	___ ART 121-3 (F2 900) Art Appreciation	___ MUS 121-3 (F1 900) Music Appreciation	___ COM 128-3 (F2 905) Film Appreciation
1	___ ART 222-3 (F2 901) Prehistory to Medieval Art	___ MUS 126-3 (F1 904) Intro to American Music	___ THTR 121-3 (F1 907) Introduction to Theater
	___ ART 223-3 (F2 902) Renaissance to Contemporary Art		

SOCIAL & BEHAVIORAL SCIENCES: 6 semester hours. Courses must be taken from two different areas – one course must be selected from Area 1.

Area	___ ECE 141-3 (S6 903) Child Development	___ PSYC 121-3 (S6 900) Intro Psychology	___ SOC 121-3 (S7 900) Intro Sociology
1		___ PSYC 221-3 (S6 903) Child Psychology	___ SOC 221-3 (S7 902) The Family in Society
Area	___ HIST 121-3 (S2 902) Western Civilization to 1648	___ HIST 141-3 (S2 901N) Latin American History	___ HIST 241-3 (S2 900N) American History I
2	___ HIST 122-3 (S2 903) Western Civilization from 1648	___ HIST 161-3 (S2 906N) African Culture	___ HIST 242-3 (S2 901N) American History II
Area	___ ECON 121-3 (S3 901) Macroeconomics	___ GOVT 121-3 (S5 900) American Government	
3	___ ECON 122-3 (S3 902) Microeconomics	___ GOVT 226-3 (S5 904N) Intro International Relations	

Career Opportunities:

Analytical Chemist, Organic Chemist, Biochemist, Forensic Scientist, Food Chemist, Industrial Chemist, Nuclear Chemist, Polymer Chemist, Inorganic Chemist, Physical Chemist, Environmental Chemist, Agricultural Chemist, Chemical Analyst, Medical Research Chemist, Quality Control Chemist, Colorist, Assayer, Water Purification Tester, Pollution Control Technician, Technical Writer, Chemical or Industrial Sales Representative, Chemical Laboratory Technician, Chemistry Teacher

Major Employers:

Manufacturing Firms Including Pharmaceutical, Chemical, Food, and Agricultural Firms; Government Agencies Including U.S. Departments of Defense, Commerce, Justice, and Agriculture; Medical Research Laboratories; Colleges and Universities, Schools; Research and Development Laboratories; Commercial Testing Laboratories.

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