

# BIOTECHNOLOGY

Toward a Bachelor of Science 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
<b>ENG 121</b>	Rhetoric & Composition I	3
<b>BIOL 221</b>	General Biology I	4
<b>BTC 121</b>	Scientific Literature for Biotech.*	3
<b>MATH 128</b>	College Algebra	4
<b>CHEM 121</b>	General Chemistry I	5
Total Hours		19

Spring Semester		Credit Hrs
<b>ENG 122</b>	Rhetoric & Composition II	3
<b>BTC 221</b>	Intro to Biotechnology	4
<b>MATH 141</b>	Statistics	4
<b>CHEM 122</b>	General Chemistry II	5
Total Hours		16

### SECOND YEAR

Fall Semester		Credit Hrs
<b>COM 121</b>	Principles of Speaking	3
<b>SOCIAL AND BEHAVIORAL SCIENCES</b> (See Below)		3
<b>CHEM 241</b>	Organic Chemistry I	5
<b>HUMANITIES AND FINE ARTS</b> (See Below)		3
<b>SOCIAL AND BEHAVIORAL SCIENCES</b> (See Below)		3
Total Hours		17

Spring Semester		Credit Hrs
<b>BIOL 242</b>	Microbiology	4
<b>BTC 242</b>	Cell Biology / Molecular Genetics	4
<b>CHEM 242</b>	Organic Chemistry II	5
<b>HUMANITIES AND FINE ARTS</b> (See Below)		3
Total Hours		16

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.

\*BTC 121 is an online introductory course useful for any science major.

**NOTE:** ECON 121-3 Macroeconomics, ECON 122-3 Microeconomics, GOVT 121-3 American Government, PHIL 122-3 Ethics are required by some colleges and universities.

#### **HUMANITIES AND FINE ARTS: 6 semester hours. At least one course must be taken from each area.**

Area 1	<input type="checkbox"/> ART 121-3 (F2 900) Art Appreciation	<input type="checkbox"/> MUS 121-3 (F1 900) Music Appreciation	<input type="checkbox"/> COM 128-3 (F2 905) Film Appreciation
	<input type="checkbox"/> ART 222-3 (F2 901) Prehistory to Medieval Art	<input type="checkbox"/> MUS 126-3 (F1 904) Intro to American Music	<input type="checkbox"/> THTR 121-3 (F1 907) Introduction to Theater
	<input type="checkbox"/> ART 223-3 (F2 902) Renaissance to Contemporary Art		
Area 2	<input type="checkbox"/> ENG 243-3 (H3 902) Introduction to Drama	<input type="checkbox"/> ENG 261-3 (H3 914) American Literature I	<input type="checkbox"/> PHIL 121-3 (H4 900) Intro to Philosophy
	<input type="checkbox"/> ENG 245-3 (H3 906) World Literature	<input type="checkbox"/> ENG 262-3 (H3 915) American Literature II	<input type="checkbox"/> PHIL 122-3 (H4 906) Fundamentals of Logic
	<input type="checkbox"/> ENG 246-3 (H3 907) Modern Literature		<input type="checkbox"/> PHIL 221-3 (H4 904) Fundamentals of Ethics
			<input type="checkbox"/> PHIL 224-3 (H5 904N) Comparative Religions

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

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

#### **Career Opportunities:**

Agricultural and Food Technician, Biological Technician, Chemical Technician, Environmental Science and Protection Technician, Forensic Science Technician, Forest and Conservation Technician.

#### **Major Employers:**

Research Laboratories, Hospitals, Pharmaceutical Companies, Public Health Laboratories, Forensic Laboratories, Industrial Laboratories, U.S. Department of Agriculture (USDA), U.S. Forest Service.