

# BIOLOGY



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
<b>ENG 121</b>	Rhetoric & Composition I	3
<b>BIOL 221</b>	General Biology I	4
<b>CHEM 121</b>	General Chemistry I	5
<b>MATH 161</b>	Pre-Calculus	4
Total Hours		16
Spring Semester		Credit Hrs
<b>ENG 122</b>	Rhetoric & Composition II	3
<b>BIOL 222</b>	General Biology II	4
<b>CHEM 122</b>	General Chemistry I	5
<b>MATH 162</b>	Calculus I	5
Total Hours		17

### SECOND YEAR

Fall Semester		Credit Hrs
<b>PHYS 221</b>	General Physics I	5
<b>CHEM 241</b>	Organic Chemistry I	5
<b>HIST 141</b>	Latin American History	3
<b>HUMANITIES AND FINE ARTS (See Below)</b>		3
Total Hours		16
Spring Semester		Credit Hrs
<b>PHYS 222</b>	General Physics II	5
<b>COM 121</b>	Principles of Speaking	3
<b>CHEM 242</b>	Organic Chemistry II	5
<b>SOCIAL AND BEHAVIORAL SCIENCES (See Below)</b>		3
<b>HUMANITIES AND FINE ARTS (See Below)</b>		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.

**Biology Education:** To become a high school Biology teacher, please see the Secondary Education curriculum for courses required for the Illinois Teachers Licensure.

**Suggested electives:** BIOL 261-4 Anatomy & Physiology I and BIOL 262-4 Anatomy & Physiology II, BIOL 242-4 Microbiology, BTC 121-3 Scientific Literature for Biotech, BTC 221-4 Introduction to Biotechnology, BTC 241-3 Immunology for Biotechnology, BTC 242-3 Cell & Molecular Biology, or MATH 141-4 Statistics.

Foreign Language is required for most colleges and universities, usually for the Bachelor of Arts Degree.

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

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		
Area	___ENG 243-3 (H3 902) Introduction to Drama	___ENG 261-3 (H3 914) American Literature I	___PHIL 121-3 (H4 900) Intro to Philosophy
2	___ENG 245-3 (H3 906) World Literature	___ENG 262-3 (H3 915) American Literature II	___PHIL 122-3 (H4 906) Fundamentals of Logic
	___ENG 246-3 (H3 907) Modern Literature		___PHIL 221-3 (H4 904) Fundamentals of Ethics
			___PHIL 224-3 (H5 904N) Comparative Religions

#### **SOCIAL & BEHAVIORAL SCIENCES: 3 semester hours.**

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

#### **Career Opportunities:**

Positions are available in such specialties as Education, Medical Laboratory, Public Health, Industrial Laboratory, Industrial Safety and Hygiene, Forensic Science, Quality Control, Botany, Agriculture, Veterinary, Marine, Environmental Analyst, Conservation, Genetics, Pharmaceutical, Pollution Control, Physiology, Microbiology, Wildlife, Zoology, Entomology, Parks and Recreation, Horticulture, Biostatistics, Toxicology, Molecular, Aquarium, Fisheries, Museum, Health and Biological Sciences Information, Technical Writing, Scientific/Medical Illustration, Technical Sales.

#### **Major Employers:**

Schools; Colleges and Universities; Pharmaceutical, Chemical Products, Food and Agricultural Products Manufacturers; Medical Laboratories; Hospitals; Independent and Research or Testing Laboratories; Environmental Consulting Firms; Laboratory Equipment and Supply Companies; Publishing Firms; Federal, State and Local Government Including the U.S. Departments of Agriculture, Health and Human Services, Interior & Defense; U.S. Environmental Protection Agency; National Science Foundation; the Illinois Departments of Agriculture, Conservation, Public Health & Law Enforcement; Illinois Environmental Protection Agency; Local Public Health Agencies; Local Crime Labs; Public Utilities and Sanitation Districts; Soil and Water Conservation Districts; Park Districts; Zoological and Botanical Parks; Museums.

09/17