

# MATHEMATICS



Toward a Bachelor of Arts or  
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>COM 121</b>	Principles of Speaking	3
<b>MATH 161</b>	Pre-Calculus	4
<b>BIOL 121</b>	Intro to Biology	4
<b>SOCIAL AND BEHAVIORAL SCIENCES (See Below)</b>		3
Total Hours		17

Spring Semester		Credit Hrs
<b>ENG 122</b>	Rhetoric & Composition II	3
<b>MATH 162</b>	Calculus I	5
<b>HUMANITIES AND FINE ARTS (See Below)</b>		3
<b>HUMANITIES AND FINE ARTS (See Below)</b>		3
<b>SOCIAL AND BEHAVIORAL SCIENCES (See Below)</b>		3
Total Hours		17

### SECOND YEAR

Fall Semester		Credit Hrs
<b>PHYS 221</b>	General Physics I	5
<b>MATH 221</b>	Calculus II	5
<b>MATH 165</b>	Scientific Programming	3
<b>SPAN 121</b>	Elementary Spanish I	4
Total Hours		17

Spring Semester		Credit Hrs
<b>PHYS 222</b>	General Physics II	5
<b>MATH 222</b>	Calculus III	5
<b>MATH 225</b>	Differential Equations	3
<b>SPAN 122</b>	Elementary Spanish II	4
Total Hours		17

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.

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

If interested in Education, please see the **SECONDARY EDUCATION** transfer Curriculum Guide for courses required for Illinois Teacher Certification.

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

Area 1	<input type="checkbox"/> MUS 121-3 (F1 900) Music Appreciation	<input type="checkbox"/> COM 128-3 (F2 905) Film Appreciation
	<input type="checkbox"/> MUS 126-3 (F1 904) Intro to American Music	<input type="checkbox"/> THTR 121-3 (F1 907) Introduction to Theater
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"/> ENG 245-3 (H3 906) World Literature	<input type="checkbox"/> ENG 262-3 (H3 915) American Literature II
	<input type="checkbox"/> ENG 246-3 (H3 907) Modern Literature	<input type="checkbox"/> PHIL 121-3 (H4 900) Intro to Philosophy
		<input type="checkbox"/> PHIL 122-3 (H4 906) Fundamentals of Logic
		<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. Courses must be taken from two different areas – one course must be selected from Area 1**

Area 1	<input type="checkbox"/> HIST 161-3 (S2 923D) Black American History	<input type="checkbox"/> PSYC 121-3 (S6 900) Intro Psychology	<input type="checkbox"/> SOC 121-3 (S7 900) Intro Sociology
	<input type="checkbox"/> HIST 121-3 (S2 902) Western Civilization to 1648	<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 122-3 (S2 903) Western Civilization from 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 121-3 (S2 902) Western Civilization to 1648		<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:**

Actuary, Mathematician, Mathematics Teacher, Computer Applications Engineer, Applied Mathematician, Computational Engineer, Systems Analyst, Operations Research Analyst, Statistician, Mathematical Technician, Financial Analyst, Securities Analyst, Bond Advisor, Weight Analyst, Information Systems Programmer, Econometrician, Market Research Analyst, Budget/Management Analyst, Computing Analyst, Research Mathematician, Applied Statistician, Biostatistician, Data Reduction Technician, Business Programmer, Investment Analyst, Commodity Analyst, Insurance Analyst, Engineering and Scientific Programmer, Financial Analyst.

#### **Major Employers:**

Aerospace, Communications, Machinery, Pharmaceutical and Electrical Equipment Industries, Public Utilities, Finance and Insurance Companies, Management and Consulting Services, Government Agencies Including U.S. Departments of Defense, Labor, Commerce, Transportation and Treasury.