

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
ENG 121	Rhetoric & Composition I	3
COM 121	Principles of Speaking	3
MATH 161	Pre-Calculus	4
BIOL 121	Intro to Biology	4
SOCIAL AND BEHAVIORAL SCIENCES (See Below)		3
Total Hours		17

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

SECOND YEAR

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

Spring Semester		Credit Hrs
PHYS 222	General Physics II	5
MATH 222	Calculus III	5
MATH 225	Differential Equations	3
SPAN 122	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	___ ART 121-3 (F2 900) Art Appreciation	___ MUS 121-3 (F1 900) Music Appreciation	___ COM 128-3 (F2 905) Film Appreciation
	___ 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 2	___ ENG 243-3 (H3 902) Introduction to Drama	___ ENG 261-3 (H3 914) American Literature I	___ PHIL 121-3 (H4 900) Intro to Philosophy
	___ 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: 6 semester hours. Course must be taken from two different areas.

Area 1	___ ECE 141-3 (S6 903) Child Development	___ PSYC 121-3 (S6 900) Intro Psychology	___ SOC 121-3 (S7 900) Intro Sociology
		___ PSYC 221-3 (S6 903) Child Psychology	___ SOC 221-3 (S7 902) The Family in Society
Area 2	___ 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
	___ 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 3	___ ECON 121-3 (S3 901) Macroeconomics	___ GOVT 121-3 (S5 900) American Government	
	___ ECON 122-3 (S3 902) Microeconomics	___ 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.