



# Mathematics

## Associate in Science Degree with an Emphasis in Mathematics

### Program

*(Recommended Sequence of Courses)*

Semester I	Hrs
COL101 English Composition I	3
MAT123 Calculus with Analytic Geometry I	5
Elective*	3
Fine Arts and Humanities Elective	3
Social and Behavioral Science Elective	3
<b>Total Hours</b>	<b>17</b>

Semester II	Hrs
COL102 English Composition II	3
MAT125 Calculus with Analytic Geometry II	5
Physical or Life Science with Lab	5
Social and Behavioral Science Elective	3
<b>Total Hours</b>	<b>16</b>

Semester III	Hrs
COM101 Public Speaking	3
MAT225 Calculus with Analytic Geometry III	3
PSC151 Physical Science	3
PSC152 Physical Science Lab	2
Fine Arts and Humanities Elective	3
Social and Behavioral Science Elective	3
<b>Total Hours</b>	<b>17</b>

Semester IV	Hrs
MAT115 Statistics	3
Computer Programming Elective	3
Fine Arts and Humanities Elective	3
Fine Arts and Humanities Elective	3
Social and Behavioral Science Elective	3
<b>Total Hours</b>	<b>15</b>

*Associate in Science Graduation Total*      65

\*Elective options in one of the following areas:  
Business, Computer Science, Mathematics, Science

### Careers

- Education
  - Secondary
  - Post-secondary
- Engineering
- Material and New Product Development
- Statistics
- Local, State, or Federal Government
- Computer Science
- Systems Analysis
- Aeronautical Science
- Actuarial Science
- Data Base Management
- Econometrics
- Ecology
- Fluid Dynamics Engineering

### After Allen

*(Transfer Institutions)*

- Emporia State  
[www.emporia.edu/mathecon/programs/](http://www.emporia.edu/mathecon/programs/)
- Fort Hays State  
[www.fhsu.edu/macs/](http://www.fhsu.edu/macs/)
- Kansas State  
<http://www.math.ksu.edu/ugrad/>
- Kansas University  
[www.math.ku.edu/academics/undergraduate.html](http://www.math.ku.edu/academics/undergraduate.html)
- Pittsburg State  
[www.pittstate.edu/math/deptinfo.html](http://www.pittstate.edu/math/deptinfo.html)
- Washburn  
<http://www.washburn.edu/academics/college-schools/arts-sciences/departments/mathematics-statistics/degree-program/index.html>
- Wichita State  
[www.math.wichita.edu/undergrad/degree.html](http://www.math.wichita.edu/undergrad/degree.html)