

# BS in Mathematics

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## Program Requirements

A minimum total of 120 credit hours is required for the BS in mathematics. In addition to meeting the requirements of the WSU General Education Program (<http://catalog.wichita.edu/undergraduate/academic-information/general-education-program/>) and the requirements of Fairmount College of Liberal Arts and Sciences, students must meet the following requirements:

Course	Title	Hours
<b>General Education</b>		
Select courses to meet General Education requirements <sup>1</sup>		34-35
<b>College Requirements</b>		
Select courses to complete all LAS Competency Areas <sup>1</sup>		24
<b>Major Requirements</b>		
Complete all courses in Group R <sup>2</sup>		21
Select one course in Group B <sup>2</sup>		3
Select three additional courses from Groups A, B and/or C <sup>2</sup>		9
<b>Open Electives</b>		
Select enough electives to reach 120 credit hours		28-29
<b>Total Credit Hours</b>		<b>120</b>

<sup>1</sup> Required major courses may also count towards General Education and/or LAS Competencies. Students will need to select additional electives to reach 120 credit hours required for graduation with assistance from an advisor.

<sup>2</sup> A list of courses in each group can be found at the beginning of the Mathematics section (<http://catalog.wichita.edu/undergraduate/fairmount-liberal-arts-sciences/mathematics-statistics-physics/mathematics/>).

For students who are contemplating graduate work, it is highly recommended that they include MATH 548, MATH 625 and MATH 640 in their program, along with courses in one or more world languages.

## Applied Learning

Students in the BS in mathematics program are required to complete an applied learning or research experience to graduate from the program. The requirement can be met by completing one of the following:

1. The student completes a thesis.
2. The student attends a conference and presents at least a poster.
3. The student performs outreach in the local school district.
4. The student does a presentation in a venue involving members of the community, such as the Science Expo at Keeper of the Plains, or through participation in Math Circle, Pi Mu Epsilon or Math Awareness.
5. The student carries out a research project followed by a seminar presentation.