

# BS in Mathematics

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## Program Requirements

For the Bachelor of Science (BS) degree in mathematics:

Course	Title	Hours
Complete all courses in Group R	<sup>1</sup>	15
Select one course each in Groups A, B and C	<sup>1</sup>	9
Select two additional courses from Groups B and/or C. MATH 451 is recommended		6
Total Credit Hours		30

<sup>1</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/>).

All bachelor's degrees in mathematics require a high-level algorithmic computer language. The MATLAB course, MATH 451, is strongly recommended.

For students who are contemplating graduate work, it is highly recommended that they include MATH 513, MATH 547 and MATH 640 in their program, along with courses in one or more of French, German or Russian.

### **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.