Accelerated 4 + 1 Program for the BA or BS and MS in Mathematics

Through the BA+MS or BS+MS program, students may complete a BA or BS with a Master of Science degree in five years, instead of the six academic years normally required of full-time students. High performing undergraduate students may apply to the 5-year program after the second year of undergraduate study and, if accepted, complete bachelor’s and master’s coursework during the third, fourth and fifth year.

Admissions Requirements

Students seeking admission to the 4+1 program must satisfy the following and apply to the department.

- Complete 60 undergraduate credit hours
- Complete MTH 181, MTH 182, MTH 220, MTH 281, MTH 286, and MTH 288
- Earn a GPA of 3.5 in MTH 220, MTH 281, MTH 286, and MTH 288 and a 3.0 GPA overall.
- File Accelerated 4+1 Masters Program Application

Program Requirements (BA or BS Mathematics)

This program will have students use up to 12 credits at the graduate level to count towards the BS degree in Mathematics. The 4+1 Requirements for the BS degree are:

- MTH 181, MTH 182
- MTH 220, MTH 281, MTH 286, MTH 288
- MTH 396 and MTH 496
- Total of 21 credits at the 300–500 level, (excluding MTH 325, MTH 326, MTH 327, MTH 328, MTH 329, MTH 330, MTH 347, MTH 421, MTH 431, MTH 435, MTH 436, and MTH 467) to include up to, but no more than, 12 credits at the 500 level. At least 9 or these credits must be at the 400 level or above. The 500 level courses must include MTH 514 and up to 8 credits from courses that satisfy the requirements of the MS in Mathematics. The 300 and 400 level courses must satisfy the requirements of the Mathematics Major.

For the Bachelor of Arts (BA) degree:

There are no additional course requirements.

For the Bachelor of Science (BS) degree:

A Mathematics major must also complete PHY 241 (or PHYS 243) and PHY 242 (or PHY 244 and a minimum of 12 science credits chosen from one or any combination of the following fields: biology, geology, environmental sciences, chemistry, physics, and computer and information science, or from the courses MTH 347, MTH 421, MTH 431, MTH 435, MTH 436 and MTH 467. These credits must be numbered 200 or above. The courses in computer and information science that meet this requirement are those that satisfy CIS major-field requirements (excluding CIS 306).
**Program Requirements (MS Mathematics)**

The program requirements for the Accelerated 4+1 program are the same as for the MS degree.

Students who are accepted for an accelerated 4+1 program may apply or transfer a maximum of 12 graduate credit hours taken while an undergraduate to their graduate record. No additional graduate credit hours taken as an undergraduate may be applied or transferred to the graduate record.