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 in Mathematics)

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

- MTH 181, MTH 182
- MTH 220, MTH 281, MTH 286, MTH 288
- MTH 396 and MTH 496
- 21 credits chosen from MTH courses at the 300-500 level (excluding MTH 325, MTH 326, MTH 328, MTH 329, MTH 330, and some offerings of MTH 493 or MTH 497), STA 323, and STA 424/524. At least nine of these credits must be from courses numbered 400 or above. The 500 level courses must include MTH 514.
- A grade of C or better must be earned in each of MTH 181, MTH 182, MTH 220, MTH 281, MTH 286, and MTH 288

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 STA 347, STA 421/521, STA 431/531, STA 435, STA 436/536, STA 467/567, and STA 564. 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.