The mathematics major prepares students for careers, graduate study, and professional programs requiring solid mathematical, quantitative, or analytical skills.

There are several degree programs from which to choose:

- Bachelor of Arts in Mathematics,
- Bachelor of Science in Mathematics,
- Bachelor of Science in Applied Mathematics,
- Bachelor of Science in Mathematics with Teaching,
- Bachelor of Science in Mathematics Technology with Teaching,
- Bachelor of Science in Mathematics/Computer Science with Teaching, and
- Joint programs with Computer and Information Science, Economics, and Physics

The Bachelor of Arts in Mathematics provides a solid mathematical foundation and also allows for the most flexibility.

The Bachelor of Science in Mathematics provides an in-depth theoretical background focusing on the traditional core areas of mathematics. This program provides a foundation for graduate study or careers in fields using sophisticated quantitative and mathematical analysis. In particular, this program is suitable preparation for graduate study in mathematics.

The Bachelor of Science in Applied Mathematics focuses on mathematical and computational methods applicable in the sciences, engineering, and industry. In particular, this degree is suitable preparation for professions featuring sophisticated mathematical modeling and/or scientific computing. This degree is also suitable preparation for graduate study in applied mathematics or related disciplines.

The Bachelor of Science in Mathematics with Teaching programs are aimed at students interested in teaching mathematics, possibly combined with technology or computer science, at the high school level. These programs combine a solid mathematical foundation with the pedagogical training necessary for success as a high school teacher. The programs also satisfy Pennsylvania's teacher certification requirements.

Five-year combined bachelor's and master's programs are also available.

Students should consult with an advisor to design a program best fitted to their interests and goals.

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**Programs**