

SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

Administration

Dean: Matthieu Rouffet, Ph.D.

Office: Rohr Science Hall, Room 340

Telephone: (619) 849-3278

Email: mroutfet@pointloma.edu

Director of Operations: Kerry Alcorn

General Information

The School of Science, Technology, Engineering, and Mathematics (STEM) provides multidisciplinary education in the sciences, technology, engineering, and mathematics that prepares students to explore, understand, and engage the world through the lens of Christian faith. The School is defined by dedicated and highly trained faculty who are professionally active and committed to innovative teaching, meaningful scholarship, and a student-centered approach to learning. Through rigorous programs in biology, chemistry, environmental science, computer science, engineering, physics, data science, and mathematics, students develop theoretical insight, practical skills, and a deep appreciation for the complexity and beauty of the created world. We extend the mission of Point Loma Nazarene University to engage and challenge minds, to form and model character, and to view service as an expression of faith.

Accreditations and Affiliations

For information about Accreditations and Affiliations, please click here (<https://pointloma-public.courseleaf.com/tug-catalog/about-the-university/accreditation-affiliations-state-authorization/>).

Academic Organization

The School of Science, Technology, Engineering, and Mathematics, under the direction of the dean of the College, functions with the supervision of academic departments, schools, and centers. The following is a list of departments in the school.

Departments

Department of Biology - Dr. Kris Koudelka, Associate Dean

Department of Chemistry - Dr. Katherine Maloney, Assistant Dean

Department of Mathematics, Information, and Computer Sciences - Dr. Maria Zack, Associate Dean

Department of Physics and Engineering - Dr. Maria Zack, Associate Dean

Curricula

Students should refer to the following pages in this catalog for a complete listing of program characteristics, degree requirements, and descriptions of courses offered by academic areas within the School of STEM.

- Department of Biology (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/bio/>)
 - Biology, B.A. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/bio/biology-ba/>)
 - Biology, B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/bio/biology-bs/>)

- Biology-Chemistry, B.S. (Biology) (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/bio/biology-chemistry-bs/>)
- Environmental Science (Biology), B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/bio/environmental-science-biology-bs/>)
- Biology: Cell and Molecular Biology Minor (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/bio/biology-cell-molecular-biology-minor/>)
- Biology: Environmental Biology Minor (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/bio/biology-environmental-biology-minor/>)
- Biology: Organismal Biology Minor (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/bio/biology-organismal-biology-minor/>)
- Data Analytics Minor (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/bio/data-analytics-minor/>)
- Science-Business Minor (Science Majors - Biology Department) (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/bio/science-business-minor/>)
- Science-Marketing Minor (Science Majors - Biology Department) (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/bio/science-marketing-minor/>)
- Department of Chemistry (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/che/>)
 - Biology-Chemistry, B.S. (Chemistry) (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/che/biology-chemistry-bs/>)
 - Chemistry, B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/che/chemistry-bs/>)
 - Environmental Science (Chemistry), B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/che/environmental-science-bs/>)
 - Data Analytics Minor (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/che/data-analytics-minor/>)
 - Science-Business Minor (Science Majors - Chemistry Department) (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/che/science-business-minor/>)
 - Science-Marketing Minor (Science Majors - Chemistry Department) (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/che/science-marketing-minor/>)
- Department of Mathematical, Information, and Computer Sciences (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/>)
 - Applied Mathematics, B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/applied-mathematics-bs/>)
 - Computer Science: Cyber Security, B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/computer-science-cyber-security-bs/>)
 - Computer Science: Software Engineering, B.A. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/computer-science-software-engineering-ba/>)
 - Computer Science: Software Engineering, B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/computer-science-software-engineering-bs/>)

- departments/stem/mics/computer-science-software-engineering-bs/)
- Computer Science: Technical Applications, B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/computer-science-technical-applications-bs/>)
 - Data Science, B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/data-science-bs/>)
 - Engineering, B.S.E. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/engineering-bse/>)
 - Information Systems, B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/information-systems-bs/>)
 - Mathematics, B.A. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/mathematics-ba/>)
 - Mathematics, B.A. for Associate Degree for Transfer (ADT) Students (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/mathematics-ba-adt/>)
 - Mathematics, B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/mathematics-bs/>)
 - Computer Science Minor (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/computer-science-minor/>)
 - Computer Technology - Business Minor (Math and Computer Science Majors) (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/computer-technology-business-minor/>)
 - Computer Technology - Marketing Minor (Math and Computer Science Majors) (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/computer-technology-marketing-minor/>)
 - Data Analytics Minor (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/data-analytics-minor/>)
 - Mathematics Minor (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/mathematics-minor/>)
 - Software Engineering Minor (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/software-engineering-minor/>)
 - Software Engineering Certificate (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/mics/software-engineering-certificate/>)
 - Department of Physics and Engineering (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/phy/>)
 - Engineering, B.S.E. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/phy/engineering-bse/>)
 - Physics, B.A. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/phy/physics-ba/>)
 - Physics, B.A. for Associates Degree Transfer (ADT) Students (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/phy/physics-ba-adt/>)
 - Physics, B.S. (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/phy/physics-bs/>)
 - Data Analytics Minor (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/phy/data-analytics-minor/>)
 - Physics Minor (<https://pointloma-public.courseleaf.com/tug-catalog/colleges-schools-departments/stem/phy/physics-minor/>)