

B.S. in Science and Technology: Multidisciplinary Studies

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Program Description

The Bachelor of Science in Science and Technology: Multidisciplinary Studies degree offers students a means to design a program of study that reflects current business, industry, government, education/training development and technology needs. Through the flexibility of this program, students are able to build a unique skill set that focuses on two or more distinct disciplines integrated around a unifying theme that cannot be subsumed by a single area of study.

Delivery Modes

- Traditional (on campus)
- Global Online (100% online)

Curriculum

Course	Credits
General Education	40 or 41
ENG 101 Composition I	3
MAT 181 College Algebra	3
UNI 100 First Year Seminar	1
Ethics and Multicultural Awareness Course	3
Fine Arts Course	3
General Education Courses	9
Health and Wellness Course	3
Humanities Course	3
Natural Sciences Course	3 or 4
Public Speaking Course	3
Technological Literacy Course	3
Social Sciences Course	3
Program Requirements	60
Capstone Area	3
Discipline Program Areas	33
STEM Area	24
Electives	19 or 20
Free Electives*	19 or 20
Total	120

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Additional Requirements

(not counted toward the General Education requirements)

- **Special Experience Course (one course required):** Any approved Special Experience course from the Eberly College of Science and Technology program disciplines.
- **Upper-Division Writing Component Courses (two courses required):** Any approved Upper-Division Writing courses from the Eberly College of Science and Technology program disciplines.
- **Laboratory Course (one course required):** Any approved Laboratory course from the Eberly College of Science and Technology program disciplines.

Program Notes

1. Provides a highly flexible and agile platform for the "Just-In-Time" development of technicians, STEM, technology-level degree concentrations and careers that can be tailor-made to workforce needs of specific businesses, industries, government agencies, educational institutions and other related sectors.
2. Provides services to enroll, retain and graduate non-traditional students.
3. Provides a service for returning students to complete a degree.
4. Articulates up to 90 transfer semester hours from accredited institutions of the 120 hours required for graduation. Thirty (30) of the last 45 credits have to be taken at California University of Pennsylvania (Cal U). In addition, students must complete at least 50% of the major coursework within their department from Cal U, with the exception of intra-system transfer students.
5. Permits up to 30 earned credits of prior learning assessment (PLA) work and other applicable nontraditional learning experiences. All credit awarded for work and other non-traditional experience is called "college equivalent" credit and is on the transcript as "P" credits. Portfolios describing these experiences and their relationship to the learning objectives of course(s) being challenged are required. Additional fees may apply.
6. Provides a sound educational foundation (identical general education requirements of the University) without rigid specialization requirements.
7. Provides advanced knowledge and higher-level skills for career advancement to management and professional careers in the workforce.
8. Requires students to develop an approved academic plan of study. The Professional Core is derived from "two or more" distinct programs and that is integrated around a unifying theme or topic that cannot be subsumed under a single discipline or occupational field, for degree completion with a faculty adviser and/or department chair from the student's selected professional program core.
 - Professional program core discipline codes: BIO, CAD, CET, CHE, CIS, CSC, EAS, EET, ENS, GCM, GEO, GET, GIS, IST, ITE, MAT, MTR, NMT, PHY, REC, RET and WFD.
 - The professional core will have a minimum of 6 credits of science, 6 credits of technology, 6 credits of engineering, 6 credits of mathematics (STEM) and a 3-credit capstone experience course.
 - General Education requirements that specifically pertain to the minimum professional core STEM and capstone courses can count toward that requirement.
 - Students will still need to meet the 120-credit graduation requirement.
 - Students must complete a minimum 15-credit-hour special area of interest (300- or 400-level classes from one of the following disciplines: BIO, CET, CAD, CHE, CIS, CSC, EAS, EET, ENS, GCM, GEO, GET, GIS, IST, ITE, MAT, MTR, NMT, PHY, REC, RET and WFD) — applies to the professional program core and advanced standing course requirements.
9. * Free Electives are to be used to build the Bachelor of Science in Science and Technology: Multidisciplinary Studies degree.
10. Students are required to meet every semester with their adviser to tailor their program of study to their own personal/professional interests, needs or occupational employment demands/projections.
11. Requires students to have at least 42 credits of their overall coursework be advance-standing courses. There is a 120-credit graduation requirement. Students must have a minimum 2.0 grade point average to qualify for graduation.

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Program Webpages

<https://www.calu.edu/academics/undergraduate/bachelors/science-technology/index.aspx>

<https://www.calu.edu/academics/undergraduate/bachelors/science-technology/online.aspx>