Degree Benefits
For more than 150 years, Cal U education programs have enjoyed an excellent reputation, with graduates teaching in nearly every state. Secondary Education programs meet the standards of accrediting agencies. The University is accredited by the Middle States Association of Colleges and Universities, and the College of Education is accredited by the National Council for Accreditation of Teacher Education. This program is approved by the Pennsylvania Department of Education for teacher certification.

Job Options
The earth and space science education program leads to Pennsylvania teacher certification to teach earth and space science in grades 7-12. Most of our graduates pursue careers in teaching. Some graduates have also pursued employment in other educational settings.

Program Objectives
Students acquire the knowledge, attitudes, skills and understanding necessary to becoming an effective educator in a specific content area. This balances the need to be an expert in a subject area and the need to have strong teaching skills. Students participate in early and continuous field experiences that approximate full-time employment appropriate to certification. This is a coherent program organized by educators to meet current standards and trends in education that is also enriched by extensive studies in the subject area (earth and space science). The program includes a focus on technology integration, teaching and learning strategies, and standards-based education (including the Common Core Standards).

Certification Program
Admission to the certification program requires:
- 2.80 GPA
- Successful completion of the PAPA assessments
- Successful completion of a three-credit American/English literature course and a three-credit English composition course
- Successful completion of six credits of college level math
- Current Act 34 (criminal record) Act 114 (fingerprinting), and Act 151 (child abuse) clearances

The above requirements must be made by the time you earn 65 credits. Additional time is provided for transfer students.

University Resources
Students have the opportunity to student teach in younger grades, and in secondary grades under the supervision of a qualified teacher and a university professor. Prior to student teaching, they gain experience by assignment to various school settings to observe and report their observations in their education courses. Students also receive individual advising and guidance from permanent faculty members in the Department of Secondary Education and Administrative Leadership.

BACHELOR OF SCIENCE PROGRAMS IN SECONDARY EDUCATION — 121-124 CREDITS

Programs
Secondary certification is offered in Art (K-12), Biology, Chemistry, Communication, Earth and Space Science, English, Mathematics, (Spanish K-12), Social Studies and Physics.

The department also offers several graduate programs including: educational administration (Principals and Superintendents Letter of Eligibility), and advanced studies in secondary education and leadership. Individuals with bachelor’s degrees in one of our approved areas may also become certified through the Master of Arts Teaching program.

All Pennsylvania teachers must pass the PAPA test and Praxis II examinations for certification. Art education students also must pass the Fundamental Subjects test. A grade-point average of 3.0 must be maintained overall.

The eight-semester schedule of courses on the other side of this sheet provides a recommended framework for completing this program of study in four years. Additional details are available from the department. To ensure that they are making satisfactory academic progress, students should consult with their faculty adviser, ensure that they complete necessary prerequisites and required courses in sequence, and complete a minimum of 15 credits each semester.
SECONDARY EDUCATION: EARTH AND SPACE SCIENCE EDUCATION

Freshman Year

First Semester ..............................................................14 credits
ENG 101 English Composition I ..............................................3 crs.
UNI 100 First-Year Seminar ......................................................1 cr.
MAT 181 College Algebra .........................................................3 crs.
EAS 150 Geology ............................................................................3 crs.
EAS 240 Meteorology .................................................................4 crs.

Second Semester ..............................................................16 credits
Literature Course ..............................................................................3 crs.
ESP 210 Special Education Foundations ........................................3 crs.
Math course ....................................................................................................3 crs.
EAS 200 Historical Geology ..............................................................4 crs.
PSY 100 Psychology.................................................................3 crs.

Sophomore Year

Third Semester ..............................................................16 credits
PSY 206 Adolescent Psychology .........................................................3 crs.
HPE 314 First Aid ..............................................................................3 crs.
CHE 101 Chemistry I ............................................................................4 crs.
EAS 303 Hydrology .............................................................................3 crs.
ESP 311 Assessment and Positive Behavior ........................................3 crs.

Fourth Semester ..............................................................15 credits
EAS 163. Oceanography .................................................................3 crs.
EAS 242 Climatology .........................................................................3 crs.
EDU 333 Technology for Teaching .....................................................3 crs.
SEC 210 Intro to Secondary Education ............................................3 crs.
SEC 220 Standards-based Instruction ..................................................3 crs.

Junior Year

Fifth Semester ..............................................................16 credits
PHY 121 Physics .............................................................................4 crs.
EAS 230 Earth Resources or EAS 39X ............................................3 crs.
SEC 310 Strategies .............................................................................3 crs.
SEC 350 Content Area Literacy ......................................................3 crs.
SEC 360 Technology Integration ......................................................3 crs.

Sixth Semester ..............................................................15 credits
EAS 343 Geomorphology .................................................................3 crs.
PHS 145 Astronomy ............................................................................3 crs.
SEC 400 Classroom Management ....................................................3 crs.
SEC 420 Assessment and Interventions ............................................3 crs.
ESP 413 Evidence-based practices ....................................................3 crs.

Senior Year

Seventh Semester ..............................................................15 credits
SEC 395 Teaching of Science .............................................................3 crs.
EDU 350 Supporting English Language Learners ................................3 crs.
EDU 310 Teaching in a Multicultural ................................................3 crs.
General Education fine art .................................................................3 crs.
EAS elective .........................................................................................3 crs.

Eighth Semester ..............................................................15 credits
SEC 460 Professional Practices in Secondary Ed ..................................3 crs
SEC 461 Student Teaching ...............................................................12 crs.

Program Contact Information
Contact the Secondary Education by phone at 724-938-4140.

Department Website
www.calu.edu/academics/programs/secondary-education

QUESTIONS
ABOUT ADMISSIONS?
Office of Admissions
California University of Pennsylvania
250 University Ave.
California, PA 15419-1394

Phone: 724-938-4404
Toll-free: 888-412-0479
Fax: 724-938-4564
E-mail: inquiry@calu.edu

A proud member of the Pennsylvania State System of Higher Education.

FINANCIAL AID
For information on student loans and undergraduate scholarships, visit www.calu.edu or call 1-888-412-0479.

California University of Pennsylvania is a proud member of the Pennsylvania State System of Higher Education. Located in the borough of California, just 35 miles from Pittsburgh, Cal U serves about 8,200 undergraduate and graduate students.

• Cal U’s main campus houses academic buildings, dining and recreation facilities, and six suite-style residence halls.
• Cal U’s upper campus includes the Vulcanaug Village apartments, athletic facilities at Roadman Park, and space for student meetings and outdoor recreation at SAI Farm.
• Cal U Global Online is the University’s virtual campus, offering degree and certificate programs 100% online.

California University of Pennsylvania is an academic community dedicated to the ideals of justice, fairness and equal opportunity for all. In compliance with federal and state laws, the University is committed to providing equal educational and employment opportunities for all persons without regard to race, color, sex, religion, national origin, age, disability, ancestry, sexual orientation or status as a disabled or Vietnam era veteran. The University will not tolerate racial, ethnic or sexual discrimination. Sexual harassment is considered by law to be a form of sexual discrimination and is, therefore, unacceptable. Direct equal opportunity and affirmative action inquiries or complaints to the Special Assistant to the President for Equal Employment and Educational Opportunity (EEOC), Office of Social Equity, Second Hall 112, 724-938-4014. Direct inquiries regarding services or facilities accessibility to the ADA/504, Compliance Officer, Office of Student Development and Services, G.52 Carter Hall, 724-938-4056. Direct Title IX inquiries to the Senior Women’s Administrator/Title IX Coordinator, Department of Athletics, Hamer Hall 248, 724-938-4351.

Policies and Procedures: Note that the policies and procedures described above may be reviewed and revised at any time. This fact sheet should be used as an informational guide. For details on current policies and procedures, contact the Provost/Vice President of Academic Affairs at 724-938-4407.

Rev 5/14