

CIVIL ENGINEERING



Above: Students participating in the Summer Environmental Exchange program of the Tahoe-Baikal Institute, which focuses on watershed protection, sustainable development, and cultural exchange

STUDY OPPORTUNITIES

- Construction Engineering and Management
- Environmental Engineering
- Structural Engineering

PROGRAM SUMMARY

- Master's degree in one year (non-thesis)
- Thesis-based master's degree in less than two years

FINANCIAL ASSISTANCE

- Fellowships
- Teaching Assistantships
- Graduate Assistantships
- Research Assistantships

MASTER OF SCIENCE IN ENGINEERING SCIENCE

*Integrating Practical Experiential Learning
and Technical Education*

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RESEARCH AREAS:

- Environmental Engineering
- Infrastructure Renewal
- Structural Engineering
- Water Quality
- Water Resources Engineering
- Engineering Management

CONTACT US:

SCHOOL OF ENGINEERING AND COMPUTER SCIENCE

Louise Stark, Ph.D.
 Phone: (209) 946-3071
 Fax: (209) 946-2334
 Email: Lstark@pacific.edu
 Web: engineering.pacific.edu

OFFICE OF GRADUATE STUDIES AND RESEARCH

Cerena Sweetland-Gil, M.A.
 Phone: (209) 946-3765
 Fax: (209) 946-2858
 Web: graduate.pacific.edu



Financial Support

All entering students are eligible for merit-based financial assistance, including fellowships, teaching assistantships, graduate assistantships, and research assistantships; all of which are awarded to students on a competitive basis.

Fellowships. Academic achievement awards are available each year.

Teaching Assistantship. Teaching assistants receive tuition remission plus a monthly stipend. Students assist with instruction in undergraduate courses that contain laboratory components; e.g., surveying, engineering graphics, fluid mechanics, geotechnical engineering, and water quality. Tuition remission pertains to full or partial tuition waivers awarded to graduate students to help defray the cost of tuition.

Research Assistantships. Available from faculty with sponsored research grants.

Internships. Graduate students can be placed in a broad range of paid internships through the Directed Experiential Learning (DEXL) option.

Other Sources. Scholarships, fellowships, grants, and loans are available from government agencies and industry. These are typically awarded on a competitive basis; the Financial Aid Office can assist students in identifying these other sources of financial support.

Admission Requirements

- Bachelor's degree in Civil Engineering or Engineering Management. Candidates holding a bachelor's degree in closely related major may be accepted provided course deficiencies are rectified.
- General subject GRE scores.
- Minimum GPA of 3.00 (however, students with exceptional qualities in other areas will be considered). The last 60 units of the undergraduate degree can be used for this calculation.
- 3 letters of recommendation.
- One-page personal statement that includes: reason for pursuing graduate study in engineering, objectives, and plans for graduate study.

Degree Requirements

Complete a minimum of 30 units in one of two plans:

Thesis Plan

▪ Core Courses	12 units
▪ Electives	12 units
▪ Thesis	6 units

Non-thesis Plan (3 options)

(A) Project

▪ Core Courses	9 units
▪ Electives	15 units
▪ Project Work	6 units

(B) Directed Experiential Learning (DEXL)

▪ Core Courses	9 units
▪ Electives	15 units
▪ DEXL	6 units

(C) Coursework

▪ Core Courses	9 units
▪ Electives	21 units

Apply at: www.pacific.edu