



SOUTHERN ILLINOIS UNIVERSITY  
**EDWARDSVILLE**

SCHOOL OF ENGINEERING

**Department of Construction  
Land Surveying  
Specialization**

Engineering Building  
Room 3052  
Campus Box 1803  
Edwardsville, IL 62026-1803  
(618) 650-2088



SOUTHERN ILLINOIS UNIVERSITY  
**EDWARDSVILLE**

SCHOOL OF ENGINEERING



Department of Construction

# Land Surveying Specialization

## Scholarships and Awards

The Office of Student Work and Financial Aid administers federal, state and institutional financial aid programs, including scholarships, grants, and loans. Special financial assistance is available for students majoring in Construction Management. Industry organizations such as the Illinois Professional Land Surveyors' Association offer scholarships for students pursuing the land surveying specialization. Information on eligibility and application deadlines and forms can be found at:

[siue.edu/engineering/scholarships.shtml](http://siue.edu/engineering/scholarships.shtml)

[siue.edu/engineering/construction](http://siue.edu/engineering/construction)

[iplsa.org](http://iplsa.org)

Office of Student Financial Aid (618) 650-3880

Department of Construction (618) 650-2088

Coordinator Email [dsherri@siue.edu](mailto:dsherri@siue.edu)

## Faculty

**David J. Sherrill, P.L.S (Surveying Coordinator)**

CNST 264 Construction Surveying

CNST 310 Legal Aspects of Land Surveying

CNST 364 Boundary Surveying

CE 206 Civil Engineering Surveying

**Mark Grinter, P.L.S.**

CNST 415 Land Development

**James P. Peterson III, P.E., P.L.S.**

CNST 482 Advanced Survey Systems

CNST 484 Survey Computations & Applications

**Randall Pearson, Ph.D. and Shunfu Hu, Ph.D.**

GEOG 418 Geographic Information Systems

GEOG 422 Remote Sensing & Digital Image Processing

GEOG 423 Computer Mapping



Printed by authority of the State of Illinois, 1/13, 500, 13010722



[siue.edu/engineering/construction](http://siue.edu/engineering/construction)

[siue.edu/engineering/construction](http://siue.edu/engineering/construction)



## Land Surveying Specialization

The SIUE Department of Construction offers a Bachelor of Science degree in Construction Management with a minor in Business Administration and with an optional specialization in land surveying. The curriculum contains the 24 semester hours of land surveying coursework required for eligibility for the Land Surveyor in Training (LSIT) examination in Illinois. The LSIT must complete four years of qualifying work experience to be eligible to sit for the examination to become a professional land surveyor (PLS).

The Department of Construction is offering three courses in land surveying each semester and one each summer. Elective courses may also be selected from the Department of Geography. State of the art equipment, modern facilities in the Engineering Building, real-life projects on the 2,660 acre SIUE campus, and dedicated, highly qualified faculty create an ideal learning environment.



## Land Surveying Specialization Courses

### CORE COURSES

CNST 264 Construction Surveying	4 hours
or	
CE 206 Civil Engineering Surveying	2 hours
CNST 310 Legal Aspects of Land Surveying	3 hours
CNST 364 Boundary Surveying	3 hours
CNST 482 Advanced Survey Systems	4 hours
CNST 484 Survey Computations and Applications	4 hours

### ELECTIVES

CNST 415 Land Development	3 hours
CNST 470 Construction Internship (Surveying)	3 hours
GEOG 418 Geographical Information Systems	3 hours
GEOG 422 Remote Sensing and Digital Information Processing	3 hours
GEOG 423 Computer Mapping	3 hours

## Educational Preparation

Students pursuing the B.S. in Construction Management can come directly from high school, from related academic fields, from the military, or from careers in the construction industry. Students pursuing the Land Surveying Specialization should have:

- Math including college algebra, and trigonometry, and be prepared to start Calculus I
- 1 year high school chemistry or physics
- 4 years high school English

Job experience in surveying is a good complement to the academic experience. Annual summer employment in land surveying is encouraged, and a formal internship with some level of managerial responsibility is required after the junior year. In addition, successful land surveying students should have:

- The ability to work as part of a team of design and construction professionals
- Aptitude for learning and effectively using computer software and hardware
- Good problem-solving ability
- Discipline to think and reason logically
- Ability to read and comprehend legal documents
- Strong written communication skills
- Strong sense of ethics, and a high level of personal integrity and professionalism

