

SURVEYING EDUCATION IN CHICAGO LAND
Offered By
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING, SIUC

The first step for attaining licensure as a Professional Land Surveyor (P.L.S.) is to become a Land Surveyor-in-Training (L.S.I.T.). In order to take the L.S.I.T. examination (Fundamentals of Surveying), applicants must have completed at least 24 credit hours of land surveying courses from a Board approved curriculum of an accredited institution. The Civil and Environmental Engineering Department at Southern Illinois University Carbondale is a Board approved curriculum that offers all of the required 24 credit hours of land surveying courses.

SIUC Off-Campus Weekend Surveying Education

SIUC's high quality surveying courses are also offered off-campus in the Chicago Land area for those students that cannot attend SIUC full-time. Generally, one course per semester is offered on weekends in the Fall, Spring, and Summer semesters. New students can now join the 24 credit hour sequence every summer by taking the Basic Surveying course. Those who have already taken an approved Basic Surveying course or equivalent can join the sequence in a fall semester. The new sequence of surveying courses is scheduled to begin in the 2011 summer semester.

Surveying Courses offered in the Chicago Land Area (Each course is 3 Credit Hours)

1. CE 263 - Basic Surveying
2. CE 361 - Civil Engineering Surveying, Prerequisite: 263.
3. CE 362 - Land Surveying, Prerequisite: 263.
4. CE 363 - Control/Construction Surveying, Prerequisite: 263.
5. CE 461 - Legal Aspects of Surveying, Prerequisite: 362.
6. CE 462 - Survey Design and Land Development, Prerequisite: 362.
7. CE 463 - Field Survey Problems, Prerequisite: 361 or 362 or 363.
8. CE 464 - Field Survey Planning and Computation, Prerequisite: 361 or 362 or 363

Please review SIUC's latest undergraduate catalogue, which is available at <http://registrar.siu.edu/catalog/undergraduatecatalog.html>, for detailed description of these courses.

Chicago Land Surveying Education - Course Sequences:

(Sequence 1 Begins)
Summer
Course 1 - CE 263
Fall
Course 2 - CE 361
Spring
Course 3 - CE 363
Summer
Open
Fall
Course 4 - CE 362
Spring
Course 5 - CE 462
Summer
Course 6 - CE 461

(Sequence 2 Begins)
Summer
Course 1 - CE 263
Fall
Course 2 - CE 362
Spring
Course 3 - CE 462
Summer
Course 4 - CE 461
Fall
Course 5 - CE 361
Spring
Course 6 - CE 363
Summer
Open

(Sequence 1 Repeated)
Summer
Course 1 - CE 263
Fall
Course 2 - CE 361
Spring
Course 3 - CE 363
Summer
Open
Fall
Course 4 - CE 362
Spring
Course 5 - CE 462
Summer
Course 6 - CE 461

NOTE:

Courses 7 & 8 (CE 463 and CE 464) may be taken at any time during the sequence on an internship basis after the first 300 level course is completed.

The above course sequences and offerings may change depending on students' interest and availability of resources. In order to effectively offer surveying education in the Chicago Land area, we are expecting at least 30 students in each course, except the basic surveying course (CE 263). Generally, the classes will meet from 8:00 a.m. to 5:30 p.m. on Saturday and Sunday, four to five times throughout the semester. The Summer semester meetings occur in June and July. The Fall semester meetings are held in August, September, October, November and December and the Spring semester meetings are held in January, February, March, April and May. These months are subject to change.

Tuition and fees for taking these courses and the exact location of instruction will be announced shortly. These courses will be offered if there is sufficient interest. Therefore, if you are planning to take surveying courses offered by SIUC in the Chicago Land area, please contact Mr. Brandon Edwards (bpedward@siu.edu) or Ms. Laura Anz (cedept@enr.siu.edu) in the Department of Civil and Environmental Engineering (Phone: 618-536-2368). Additional information is also available at the department website <http://civil.enr.siu.edu>.

Surveying Education in Chicagoland

Offered By SIUC CIVIL & ENVIRONMENTAL
ENGINEERING DEPARTMENT

THE FIRST STEP FOR ATTAINING LICENSURE

as a Professional Land Surveyor (PLS) is to become a Surveyor-in-Training (SIT). In order to take the SIT exam, applicants must have at least 24 credit hours of land surveying courses from a Board approved curriculum of an accredited institution. The Civil and Environmental Engineering Department at Southern Illinois University Carbondale is a Board approved curriculum that offers all required 24 credit hours of land surveying courses.

SIUC OFF-CAMPUS WEEKEND SURVEYING EDUCATION

This off-campus weekend surveying education was developed to assist individuals who are already employed in the surveying field or who already hold a Related Science Degree and cannot leave their positions to attend SIUC on a fulltime basis. This program will be offered, as long as the minimum number of students (30) is attending. Currently, a new sequence of 24 semester hours of land surveying courses is scheduled to be offered starting in the Summer or Fall semester of 2011 on a weekend basis at a location to be determined in the Chicagoland area and taught by an instructor of SIUC. One course is offered per semester and meets four weekends in a semester. The Spring Semester meetings occur in January, February, March and April. The Summer Semester meets in June and July. The Fall Semester meetings are held in August, September, October, and December. These months are subject to change. The Basic Surveying course is only offered at the beginning of the sequence. Classes usually meet from 8:00 am – 4:30 pm on Saturday and 9:00 am – 2:30pm on Sunday.

All registration is done at the first class meeting of each semester and is done by the course instructor. Currently, the cost is:

\$190/credit hour or **\$570** per course plus a **\$30** facility rental fee,
for a **total of \$600** each semester for a 3 Semester Hour course.

The cost is subject to change at any time without notice. A discounted course fee is available for military personnel. Also, a onetime SIUC application and admission fee in the amount of \$30 will be charged at the time of entrance to the sequence.

TENTATIVE NEW SEQUENCE:

New students must enroll in the 200 & 300 level classes. Class 1 – CE 263;
Class 2 – CE 361; Class 3 –CE 363; Class 4 – CE 463; Class 5 – CE 362;
Class 6 – CE 462; Class 7 – CE 464; Class 8 – CE 461.

Course Offerings

Those interested in the surveying courses or in other courses offered through the Department of Civil and Environmental Engineering are encouraged to contact the department at (618) 536-2368 or cedept@engr.siu.edu. Additional information is also available at the department website <http://civil.engr.siu.edu>.

263-3 Basic Surveying.

An introductory course designed to introduce the principles, theory and equipment of surveying. Development of survey field practices on the earth's surface and subsurface and related computations.

Prerequisite: MATH 111.

361-3 Civil Engineering Surveying.

Surveying process and theory for Civil Engineering projects, topographic surveys, precise surveys, easements and related computations. Lab fee \$30. Prerequisite: 263., boundary and retracement surveys, basic survey law, legal descriptions, title search, field monument search and related computations.

Lab fee \$30. Prerequisite: 263.

363-3 Control/Construction Surveying.

The surveying processes and theory of control surveying, geodesy, global positioning systems, geographic information systems, all types of construction surveying and related computations.

Lab fee \$30. Prerequisite: 263.

461-3 Legal Aspects of Surveying.

Topics covered include common and statute law; unwritten rights in land and their relationship to land surveys; survey standards; restoration of lost corners; multiple corners; rules of evidence and rights, duties and liability of the surveyor.

Not for graduate credit. Prerequisite: 362.

462-3 Survey Design and Land Development.

Subdivision and land development principles, theory, methods and procedures including laws relating to subdivision and land development. Scope will include rural and urban subdivisions, industrial parks and major recreational developments.

Not for graduate credit. Lab fee \$30. Prerequisite: 362.

463-3 Field Survey Problems.

Perform extensive field projects in the areas of engineering, hydrographic, topographic, land, and control surveying utilizing state-of-the-art equipment.

May be taken concurrently with 464. Not for graduate credit.

Prerequisite: 361 or 362 or 363.

464-3 Field Survey Planning and Computation.

Planning, organization, computations and drafting of field survey projects including the needed mapping utilizing calculators, computers, COGO and CAD.

This course may be taken concurrently with 463. Enrollment limited to 12 students. Not for graduate credit. Prerequisite: 361 or 362 or 363.