

## LAND SURVEYING (CONT'D)

### LAND SURVEYING CERTIFICATE

Program Code: E.CLS.CER

#### Certificate

Graduation requirement — 24 semester hours

The Land Surveying certificate program provides approved surveying courses for the student who plans to become a professional land surveyor and who has or will have satisfied all other educational requirements for licensure prior to applying for admission to the Illinois Surveyor Intern (NCEES: Fundamentals of Land Surveying) examination.

See Professional Licensing Notes\*\* for education requirements for becoming a professional land surveyor.

All of the surveying courses offered in this program have been accepted by the Illinois Land Surveyors Licensing Board as meeting the requirements of the 24 credit hours required by the Illinois Professional Land Surveyor Act of 1989 and the Illinois Administrative Code as amended.

#### Program Notes\*

- Students may substitute a technical elective for SRV 233 with approval of a land surveying faculty member.
- Meet with program director as soon as possible to review educational requirements for professional licensing and to develop an appropriate academic plan.
- This program prepares students to meet the specific Land Survey course requirements for licensure in the state of Illinois. See Professional Licensing notes for additional requirements. Parkland College has not yet determined that this program meets the requirements for licensure of any other state.

#### Suggested Part-time Sequence

Starting in odd-numbered year

FALL	SPRING	SUMMER
1st Semester	2nd Semester	SRV 254
SRV 113	SRV 134	
SRV 133	SRV 253	

FALL	SPRING	SUMMER
3rd Semester	4th Semester	SRV 234
SRV 211	SRV 235	SRV 233*

Starting in even-numbered year

FALL	SPRING	SUMMER
1st Semester	2nd Semester	SRV 234
SRV 113	SRV 134	
SRV 133	SRV 235	

FALL	SPRING	SUMMER
3rd Semester	4th Semester	SRV 254
SRV 211	SRV 253	SRV 233*

#### Required Program Courses (24 hours)

Cr. Hrs.

SRV 113	Basic Surveying	3
SRV 133	Surveying Computations I	2
SRV 134	Surveying Computations II	2
SRV 211	Construction Surveying	3
SRV 233*	Surveying Field Experience	2
SRV 234	Design Surveying	3
SRV 235	Control Surveying	3
SRV 253	Legal Aspects of Surveying	3
SRV 254	Boundary Surveying	3

Total Semester Credit Hours

24

#### Professional Licensing Notes \*\*

Per the Illinois Professional Land Surveyor Act of 1989 (225 ILCS 330/12), to qualify for admission to the Illinois Surveyor-In-Training (NCEES: Fundamentals of Land Surveying) examination, the candidate must have "a baccalaureate degree in a related science if he or she does not have a baccalaureate degree in land surveying from an accredited college or university."

Per Title 68, Section 1270.15 of the Illinois Administrative Code, "a baccalaureate degree in a Related Science is a baccalaureate degree from an accredited college or university that includes core courses in at least the following subjects, or their equivalents, for the minimum semester hours shown. The following subjects all may be completed prior to, concurrent with, or subsequent to receiving the baccalaureate degree.

a) Mathematics (College Algebra and beyond) – 15 semester hours

b) Basic Sciences (Physics and/or Chemistry) – 8 semester hours

c) Additional Basic Sciences (including, but not limited to: Geology, Geography, Dendrology, Astronomy, Biology, Soil Mechanics, and engineering sciences) – 20 semester hours

d) Land Surveying courses (including, but not limited to: fundamentals of land surveying, boundary surveying, route surveying, topographic surveying, descriptions, legal aspects, subdivision design, data computations and adjustments, map projections, and geometric geodesy and photogrammetry) – 24 semester hours