

LAND SURVEYING TECHNOLOGY (A.A.S.)

Land surveying technology students obtain a sound technical background in fundamental land surveying principles, techniques and skills, augmented by field training in forestry and natural resources concepts and techniques. They become well-rounded technical specialists capable of teamwork, communication and problem solving, with life-long learning skills and abilities.

The program provides students with a unique and highly valued combination of surveying and land resource knowledge and related skills. Students gain basic field skills in tree identification, ecological concepts, natural resources measurements, geographic information systems, and the use and maintenance of hand and power tools, while also being exposed to focused topics including subdivision surveys, boundary surveys, construction and topographic surveying, survey law, and more. Graduates are well prepared to enter the field of land surveying through a carefully planned combination of classroom lectures, demonstrations and hands-on experience. Students earning this degree are also positioned to pursue New York State licensure in land surveying. The educational program in land surveying technology, leading to the associate of applied science degree in land surveying technology, is accredited by the ETAC Accreditation Commission of ABET, <https://www.abet.org/>.

Students wishing to pursue a baccalaureate degree may wish to investigate programs in the Sustainable Resources Management Department such as Construction Management. The Ranger School also has an articulation agreement with SUNY Alfred State for students wishing to pursue a baccalaureate in the land surveying field.

The first year land surveying technology curriculum consists of general studies courses which may be taken at ESF or any accredited four-year, community, or technical college.

First Year Required Courses

EFB 100

OR

EFB 101

AND

EFB 102

OR

EFB 103

AND

EFB 104

EPH 101

AND

EPH 102

OR

HIGHER

EWP 190

EWP 290

APM 103

OR
HIGHER

DIVERSITY, EQUITY, INCLUSION
& SOCIAL JUSTICE GENERAL
EDUCATION COURSE

3

Total Maximum Transfer Credit: 20 Credits

Course	Codes*	Credits
General Biology with lab	G	4
Physics with a lab	G	4
English with a Focus on Writing (Two 3-credit courses)	G	6
Trigonometry or pre-calculus (1 course)	G	3
Diversity, Equity, Inclusion & Social Justice	G	3
Total Maximum Transfer Credits		20

Second Year Required Courses

FTC 200

FTC 202

FTC 204

FTC 205

FTC 206

FTC 207

FTC 208

FTC 214

FTC 225

FTC 239

FTC 251

FTC 253

FTC 255

FTC 256

FTC 257

FTC 259

Total Minimum Credits for Degree: 64

