

SOUTH CAROLINA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS

Statement of Policy Qualifying Education for Registration As Land Surveyor-in-Training, TIER A Land Surveyor And TIER B Land Surveyor

Authority: §40-22-225; R49-201 (A)(1)

The Board Education Consultant must evaluate all education. The purpose of such evaluation shall be to determine whether or not the curriculum presented by the applicant includes the courses required by the statutes. Applicants must provide a transcript from their academic institution before the Board can accept an application for consideration. The documents must include course description and subjects taken and verification of degree. The academic institution shall provide such supporting documentation as necessary for a proper and sufficient evaluation by the Consultant. For experience and examination requirements, applicants should refer to "Qualifications for Land Surveyor-in-Training", "Qualifications for TIER A Land Surveyor" and "Qualifications for TIER B Land Surveyor". An applicant applying on the basis of comity registration with another state must meet the same requirements as an applicant applying for original registration.

The Board has interpreted the statutes to include the following education:

A) Certification as Land Surveyor-in-Training/Registration as TIER A Land Surveyor

- (1) Graduation from a school or college of four or more years with a Bachelor of Science in Surveying or Surveying & Mapping accredited by the Related Accreditation Commission (RAC) of ABET, including completed courses in surveying and mapping of not less than twelve semester hours or the equivalent in quarter hours satisfactory to the Board
- (2) Graduation from a school or college of four or more years with a Bachelor of Engineering Technology degree accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology (ABET), including completed courses in surveying and mapping of not less than twelve semester hours or the equivalent in quarter hours satisfactory to the Board.
- (3) Graduation from a school or college of four or more years with a Bachelor of Science Degree (approved by the Board), including completed courses in surveying and mapping of not less than twelve semester hours or the equivalent in quarter hours satisfactory to the Board. (Includes Civil Engineering, Forestry, etc.)

Statement of Policy-Qualifying Education for LS Registration—Page 2

- (4) Graduation from a school or college of two or more years with an associate degree in an engineering technology curriculum accredited by TAC/ABET (approved by the Board), including completed courses in surveying and mapping of not less than twelve semester hours or the equivalent in quarter hours of surveying and mapping courses satisfactory to the Board.

B) Registration as TIER B Land Surveyor. (An applicant must be registered as a TIER A Land Surveyor prior to applying for registration as TIER B Land Surveyor.)

- (1) Graduation from a school or college of four years or more with a Bachelor of Science Degree (approved by the Board), including in the curriculum not less than fifteen semester hours or the equivalent in quarter hours of surveying, mapping, hydraulics, and hydrology courses satisfactory to the Board.
- (2) Graduation from a school or college of four years or more with a Bachelor of Science in Land Surveying or Land Surveying & Mapping accredited by RAC/ABET, including in the curriculum not less than fifteen semester hours or the equivalent in quarter hours of surveying, mapping, hydraulics, and hydrology courses satisfactory to the Board.
- (3) Graduation from a school or college of four years or more with a Bachelor of Engineering Technology accredited by TAC/ABET, including in the curriculum not less than fifteen semester hours or the equivalent in quarter hours of surveying, mapping, hydraulics, and hydrology courses satisfactory to the Board.

**South Carolina State Board of Registration
For Professional Engineers and Surveyors**

**Approved Programs/Courses Offered by the South Carolina Institutions
For
Certification as Land Surveyor-in-Training
Registration as TIER A Land Surveyor**

Authority: §40-22-20; §40-22-250; R49-202(D)

Programs and courses listed below have been approved by the Board for meeting the education requirements for registration as TIER A Land Surveyor. The applicant must take progressive courses above the level of those previously completed. Courses such as “Surveying I” taken at two different institutions will not be accepted. Applicants should verify with the institutions as to the approved programs and courses. (Note: To determine experience and examination requirements for certification as Land Surveyor-in-Training and registration as TIER A Land Surveyor, applicants should refer to the “Qualifications” policy.)

A. Engineering Technology Programs/Courses:

Name of Institution/Program/Courses	Credits
Central Carolina Technical College (formerly Sumter Technical College)	
Accredited Program: Civil Engineering Technology (2 Year Degree)	
Approved Courses: CET 105 Surveying I	3
CET 205 Surveying II	4
CET 251 Highway Design	3
EGT 105 Basic Civil Drafting	<u>2</u>
	<u>12</u>
Florence-Darlington Technical College	
Accredited Program: Civil Engineering Technology (2 Year Degree)	
Accredited Program: Engineering Graphics Technology (2 Year Degree)	
Approved Courses: CET 105 Surveying I	3
CET 205 Surveying II	4
CET 250 Transportation Engineering Technology (credits given only if course includes Highway Design)	3
(EGT 102 Technical Drawing)	
(EGT 105 Basic Civil Drafting)	
(Credit will be given for either EGT 102 or EGT 105, not for both)	<u>2</u>
	<u>12</u>

Approved LS Education—Page 4

A. Engineering Technology Programs/Courses—continued

Name of Institution/Program/Courses	Credits
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Greenville Technical College

Accredited Program:	Architectural Engineering Technology (2 Year Degree)	
Approved Courses:	CET 102 Fundamentals of Surveying	2
	CET 105 Surveying I	3
	CET 205 Surveying II	4
	CET 251 Highway	<u>3</u>
		<u>12</u>

Horry-Georgetown Technical College

Accredited Program:	Civil Engineering Technology (2 Year Degree)	
Approved Courses:	CET 105 Surveying I	3
	CET 205 Surveying II	4
	CET 251 Highway Design	3
	FOR 240 Mapping & Photo Interpretation	1
	FOR 258 Forest Surveying & Engineering (EGT 101 Basic Technical Drawing, or) (FOR 118 Forest Drafting—Credit will be given for either EGT 101 or) FOR 118, not for both.)	3
	EGT 151 Intro to CAD (Must have taken EGT 101)	2
		<u>3</u>
		<u>19</u>

Midlands Technical College

Accredited Program:	Civil Engineering Technology (2 Year Degree)	
Accredited Program:	Engineering Graphics Technology (2 Year Degree)	
Approved Courses:	CET 105 Surveying I	3
	CET 205 Surveying II	4
	EGT 102 Technical Drawing (CET 251 Highway Design) (EGR 285 Engineering Technology Surveying) Credit will be given for either) CET 251 or EGR 287, not for both)	2
		<u>3</u>
		<u>12</u>

Piedmont Technical College

Accredited Program:	Engineering Graphics Technology (2 Year Degree)	
Approved Courses:	CET 105 Surveying I	3
	CET 205 Surveying II	<u>4</u>
		<u>7</u>

Approved LS Education—Page 5

A. Engineering Technology Programs/Courses—continued

Name of Institution/Program/Courses	Credits
South Carolina State University	
Accredited Program: Civil Engineering Technology (4 Year Degree)	
Approved Courses: CET 311 Plane Surveying	3
CET 312 Route Surveying	3
(CET 205 Advanced Computer-Aided Drawing (ET 101 Mechanical Drawing (ET 102 Basic Computer-Aided Drafting Credit will be given for either CET 205, ET 101, ET 102, not for each course)	3
	<u>9</u>
Spartanburg Technical College	
Accredited Program: Civil Engineering Technology (2 Year Degree)	
Approved Courses: CET 105 Surveying I	3
CET 205 Surveying II	4
(EGT 101 Basic Technical Drawing (*EGT 102 Technical Drawing Credit will be given for either EGT 101 or EGT 102, not for both courses)	2
EGT 105 Civil Drafting *Effective 9/96, EGT 102 was replaced by EGT 105	2
CET 251 Highway Design	3
	<u>14</u>

Approved LS Education—Page 6

A. Engineering Technology Programs/Courses—continued

Name of Institution/Program/Courses	Credits
Trident Technical College	
Accredited Program: Civil Engineering Technology (2 Year Degree)	
Approved Courses: CET 102 Fundamentals of Surveying	2
CET 105 Surveying I	3
CET 205 Surveying II	4
CET 246 Environmental Systems Technology (a 3 credit course for which 1 hour will be allowed)	1
CET 251 Highway Design	3
(EGT 101 Basic Technical Drawing)	
(EGT 105 Basic Civil Drawing)	
(EGR 275 Introduction to Engineering/ Computer Graphics)	
(Credit will be given for either)	
EGT 101 (2 credits) or)	
EGT 105 (2 credits) or)	
EGR 275 (3credits), i.e. only)	
one course)	<u>2 or 3</u>
	<u>15 or 16</u>
York Technical College	
Accredited Program: Engineering Graphics Technology (2 Year Degree)	
Approved Courses: CET 105 Surveying I	3
CET 205 Surveying II	4
CET 251 Highway Design & Construction	3
EGT 112 Engineering Drawing	<u>2</u>
	<u>12</u>

Approved LS Education—Page 7

B. Engineering Programs/Courses:

Name of Institution/Program/Courses		Credits
The Citadel		
Accredited Program:	Civil Engineering Technology (4 Year Degree)	
Approved Courses:	CVL 101 Engineering Drawing	2
	CVL 204 Photogrammetry	1
	CVL 205 Surveying I	3
	CVL 206 Surveying II	3
	CVL 235 Surveying I Laboratory	1
	CVL 236 Surveying II Laboratory	1
	CVL 305 Transportation Engineering	3
	CVL 326 Highway Engineering Laboratory	<u>1</u>
		<u>15</u>
Clemson University		
Accredited Program:	Civil Engineering Technology (2 Year Degree)	
Approved Courses:	CE 201 Surveying	3
	CE 310 Transportation Engineering	4
	EG 200 Engineering Graphics	2
	(FOR 253 Forest Eng. Summer Camp)	
	(FOR 308 Aerial Photographs)	
	(FOR 608 Aerial Photographs)	
	(Applicants must take FOR 253 with FOR 308/608	<u>3</u>
		<u>12</u>
University of South Carolina		
Accredited Program:	Civil Engineering Technology (4 Year Degree)	
Approved Courses:	None Offered	

Note: In addition to approved degree listed above, applicant must have twelve semester hours of approved courses in surveying and mapping.

Due to changes in courses at various institutions, there may be additional courses offered that could meet approval by the Board. It is the responsibility of the applicant to verify the approved courses with the institutions and the Board.