

**Board for Architects, Professional Engineers, Land Surveyors,
 Certified Interior Designers and Landscape Architects
 COURSE REQUIREMENTS FOR ENGINEERING TECHNOLOGY PROGRAM**

Based on the information on your application, it is our understanding that you have not graduated from an engineering or related science curriculum of four years or more. In accordance with 18VAC10-20-190.E or 18VAC10-20-210.E of the *Regulations for the Board for Architects, Professional Engineers, Land Surveyors, Certified Interior Designers & Landscape Architects*, please complete the following tables to provide documentation of the academic coursework that meets the requirements of ABET accreditation for the engineering technology curricula.

Attach transcript(s) to verify courses listed on this form.

Full Legal Name (As it appears on your government issued ID or other legal documentation.)

| | | | |
|-----------------|------------------|--------|------------|
| Last (required) | First (required) | Middle | Generation |
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Provide at least **one** of the following identification numbers*:

Social Security Number and/or

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Virginia DMV Control Number

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- Enter the same identification number as used on examination, previous applications or licenses on file with the department.
- * State law requires every applicant for a license, certificate, registration or other authorization to engage in a business, trade, profession or occupation issued by the Commonwealth to provide a social security number or a control number issued by the Virginia Department of Motor Vehicles.

Accreditable Baccalaureate Program

Coursework: Minimum 124 Semester Hour Credits (SHC) or 186 Quarter Hour Credits (QHC)

Requirements:

| | <u>SHC</u> | <u>QHC</u> |
|--|------------|------------|
| Technological Courses (including Technical Sciences, Specialties and Electives) | 48 | 72 |
| Basic Sciences and Mathematics | 24 | 36 |
| Basic Sciences: includes Physics, Chemistry, and Life & Earth Sciences w/lab (8 SHC or 12 QHC) | | |
| Mathematics: includes College Algebra, Trigonometry and Calculus (12 SHC or 18 QHC); excludes Computer Programming | | |
| Social Sciences and Humanities | 24 | 36 |
| Includes good oral and written communications (9 SHC or 13 QHC) and Social Science or Humanities (8 SHC or 12 QHC). Cannot include Physical Education or Military Drill. | | |
| Balance of Program | 28 | 42 |
| Maximum of 8 SHC or 12 QHC of cooperative education exp. for professional development of technologist (credit for work experience does not count here). No more than 1/2 of the maximum (4 SHC or 6 QHC) co-op credit may be counted in the junior/senior years. | | |
| TOTAL | 124 | 186 |

TECHNOLOGICAL COURSES:

Includes technical sciences, specialties and electives. Minimum requirements of 48 semester hour credits (SHC) or 72 quarter hour credits (QHC).

| Institution | Course No. | Course Title | Course Hours | |
|-------------|------------|-----------------------------|--------------|-----|
| | | | SHC | QHC |
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| | | Total Hours | | |
| | | TOTAL HOURS REQUIRED | 48 | 72 |

BASIC SCIENCES AND MATHEMATICS:

Basic Sciences - Includes physics, chemistry and life & earth sciences with labs. Minimum requirements of 8 semester hour credits (SHC) or 12 quarter hour credits (QHC).

| Institution | Course No. | Course Title | Course Hours | |
|-------------|------------|-----------------------------|--------------|-----|
| | | | SHC | QHC |
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| | | Total Hours | | |
| | | TOTAL HOURS REQUIRED | 8 | 12 |

Mathematics - Includes college algebra, trigonometry and calculus, and excludes computer programming. Minimum requirements of 12 semester hour credits (SHC) or 18 quarter hour credits (QHC).

| Institution | Course No. | Course Title | Course Hours | |
|-------------|------------|-----------------------------|--------------|-----------|
| | | | SHC | QHC |
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| | | Total Hours | | |
| | | TOTAL HOURS REQUIRED | 12 | 18 |

Other Sciences and Mathematics - Includes college algebra, trigonometry and calculus, and excludes computer programming. Minimum requirements of 4 semester hour credits (SHC) and 6 quarter hour credits (QHC).

| Institution | Course No. | Course Title | Course Hours | |
|-------------|------------|-----------------------------|--------------|----------|
| | | | SHC | QHC |
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| | | Total Hours | | |
| | | TOTAL HOURS REQUIRED | 4 | 6 |

SOCIAL SCIENCES AND/OR HUMANITIES:

Oral and Written Communications - Minimum requirements of 9 semester hour credits (SHC) or 13 quarter hour credits (QHC).

| Institution | Course No. | Course Title | Course Hours | |
|-------------|------------|-----------------------------|--------------|-----------|
| | | | SHC | QHC |
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| | | Total Hours | | |
| | | TOTAL HOURS REQUIRED | 9 | 13 |

Social Sciences and Humanities - Cannot include physical education or military drill. Minimum requirements of 8 semester hour credits (SHC) or 12 quarter hour credits (QHC).

| Institution | Course No. | Course Title | Course Hours | |
|-------------|------------|-----------------------------|--------------|-----|
| | | | SHC | QHC |
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| | | Total Hours | | |
| | | TOTAL HOURS REQUIRED | 8 | 12 |

Other Social Sciences and Humanities - Cannot include physical education or military drill. Minimum requirements of 7 semester hour credits (SHC) or 11 quarter hour credits (QHC).

| Institution | Course No. | Course Title | Course Hours | |
|-------------|------------|-----------------------------|--------------|-----|
| | | | SHC | QHC |
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| | | Total Hours | | |
| | | TOTAL HOURS REQUIRED | 7 | 11 |

BALANCE OF PROGRAM:

Maximum of 8 semester hour credits (SHC) or 12 quarter hour credits (QHC) of cooperative education experience for professional development of technologist. Credit for work experience does not apply. No more than 1/2 of maximum co-op credit (4 SHC or 6 QHC) may be applied in junior/senior years. Minimum requirements of 28 semester hour credits or 42 quarter hour credits.

| Institution | Course No. | Course Title | Course Hours | |
|-------------|------------|-----------------------------|--------------|-----|
| | | | SHC | QHC |
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| | | Total Hours | | |
| | | TOTAL HOURS REQUIRED | 28 | 42 |