## Board for Architects, Professional Engineers, Land Surveyors, <br> Certified Interior Designers and Landscape Architects <br> 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 18 VAC 10-20-190.5 (or 18 VAC 10-20-210.4) 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 course work that meets the requirements of ABET accreditation for the engineering technology curricula. Attach transcript(s) to verify courses listed on this form.


## Accreditable Baccalaureate Program

Course Work Minimum 124 Semester Credit Hours (SCH) or 186 Quarter Hour Credits (QHC)

## Requirements:

Technological Courses (including Technical Sciences, Specialties and Electives
Basic Sciences and Mathematics
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
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
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.

## TECHNOLOGICAL COURSES:

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

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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).

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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).

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

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## 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 |  |
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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).

|  | Course No. | Course Title | Course Hours |  |
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|  |  |  | Total Hours |  |

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).

|  | Course No. | Course Title | Course Hours |  |
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|  |  |  | THC |  |
|  |  | 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.

|  |  | Course Title | Course Hours |  |
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| Institution | Course No. |  |  |  |
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