

# Bachelor of Science in Engineering Technology

## Engineering Technology with a Major in Civil Engineering Technology (BSET)

Web Site: <https://ww1.odu.edu/engtech.html>

### Degree Program Guide <sup>1</sup>

The Degree Program Guide is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.

Critical CET course sequences within the Civil Engineering Technology curricula require a minimum grade of C before progressing to subsequent courses. Refer to the individual CET course descriptions for information on specific C grade prerequisites. A grade of C- does not satisfy the requirement for a C grade.

Course	Title	Credit Hours
<b>Freshman</b>		
<b>Fall</b>		
CET 120	Civil 2D Computerized Aided Drafting	3
ENGN 110	Explore Engineering and Technology	2
MATH 162M	Precalculus I (grade of C or better required)	3
CHEM 121N	Foundations of Chemistry I Lecture	3
CHEM 122N	Foundations of Chemistry I Laboratory	1
Human Behavior Way of Knowing		3
<b>Credit Hours</b>		<b>15</b>
<b>Spring</b>		
Human Creativity Way of Knowing		3
ENGT 111	Engineering Technology Information Literacy/Research	2
MATH 163	Precalculus II (grade of C or better required)	3
PHYS 111N	Introductory General Physics	4
ENGL 110C	English Composition (grade of C or better required)	3
<b>Credit Hours</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
CET 200	Statics (grade of C or better required)	3
CET 210	Fundamentals of Building Construction (grade of C or better required)	3
MATH 211	Calculus I (grade of C or better required)	4

PHYS 112N	Introductory General Physics	4
ENGL 211C or ENGL 231C	Writing, Rhetoric, and Research (grade of C or better required) or Writing, Rhetoric, and Research: Special Topics	3
<b>Credit Hours</b>		<b>17</b>
<b>Spring</b>		
CET 205	Principles of Surveying	3
CET 220	Strength of Materials	3
CET 345W	Materials Testing Laboratory (grade of C or better required)	2
COMM 101R	Public Speaking	3
ENMA 480	Ethics and Philosophy in Engineering Applications <sup>2</sup>	3
Literature Way of Knowing		3
<b>Credit Hours</b>		<b>17</b>
<b>Junior</b>		
<b>Fall</b>		
CET 301	Structural Analysis	3
CET 330	Fluid Mechanics	4
CET Elective <sup>5</sup>		3
ENGT 305	Advanced Technical Analysis	3
Upper Division Gen Ed <sup>3</sup>		3
<b>Credit Hours</b>		<b>16</b>
<b>Spring</b>		
CET 260	Plan and Specifications <sup>4</sup>	3
CET 340	Soils and Foundations	3
CET 341W	Soils Testing Laboratory (grade of C or better required)	2
CET Elective <sup>5</sup>		3
ENMA 302	Engineering Economics	3
<b>Credit Hours</b>		<b>14</b>
<b>Senior</b>		
<b>Fall</b>		
CET 355	Sustainable Building Practices	3
CET 440	Contract Documents	3
CET Elective <sup>5</sup>		3
Upper Division Gen Ed <sup>3</sup>		3
Interpreting the Past Way of Knowing		3
ENGT 434	Introduction to Senior Project	1
<b>Credit Hours</b>		<b>16</b>
<b>Spring</b>		
CET 410 or CET 450	Reinforced Concrete Design or Structural Steel Design	3
ENGT 435W	Senior Design Project (grade of C or better required)	3
Two CET Electives <sup>5</sup>		6
EET 370	Energy and The Environment	3
ENGN 401	Fundamentals of Engineering Review	1
<b>Credit Hours</b>		<b>16</b>
<b>Total Credit Hours</b>		<b>126</b>

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1 Does not include the University's General Education  
language and culture requirement. Additional hours may  
be required.

2 Meets the philosophy and ethics general education  
requirement.

3 One or more additional courses will be required to  
complete a minor. See advisor for details.

4 Students with an interest in construction, design or site  
development may substitute an alternate course with  
approval of their advisor.

5 Senior electives CET 445, CET 460 and CET 465 are in  
the area of Construction Management, CET 325, CET 332,  
and CET 420 are in the area of Site Development, and  
CET 400, CET 405, and both CET 410 and CET 450 are in  
the area of Structural Design.