



# BACHELOR OF TECHNOLOGY



**Advance your career by earning a bachelor's degree in Civil Engineering Technology through the Rogers State University and OSU Institute of Technology Bachelor of Technology Partnership Pathway.**

This pathway was created for individuals who wish to pursue rewarding, successful careers in the high-demand field of civil engineering technology. Through the RSU/OSUIT partnership, students pursuing RSU's Associate of Science in Physical Science may seamlessly transfer and apply up to forty-six (46) credit hours toward the OSUIT Associate in Applied Science in Civil Engineering-Surveying Technology/Bachelor of Technology in Civil Engineering Technology program pathway. The remaining coursework, listed below, will be completed through OSUIT.

#### AAS General Education Requirements: 33 hours

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|--|---|
| *ETDG 1143 Introduction to Design/Drafting | *SURV 2223 Land Law II                        |
| *ETDG 1192 Applied AutoCAD                 | *SURV 2303 Surveying I                        |
| *ETDG 2663 Civil Applications              | *CET 2103 Construction Management & Economics |
| *ETDG 2674 Civil Drafting                  | *CET 2123 Properties of Soils                 |
| *SURV 1011 Introduction to Surveying       | *CET 2212 Transportation I                    |
| *SURV 1223 Land Law I                      | *CET 2323 Statics                             |

#### BT General Education Requirements: 3 hours

- \*ENGL 3323 Technical Writing III

#### BT Technical Requirements: 44 hours

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|--|--|
| *CET 3114 Strengths of Materials & Structural Analysis | *CET 4213 Reinforced Concrete Design   |
| *CET 3123 Dynamics                                     | *CET 4224 Hydrology                    |
| *CET 3213 Steel Structures                             | *CET 4233 Water/Waste Water Management |
| *CET 3313 Fluid Mechanics & Hydraulics                 | *CET 4413 Capstone                     |
| *CET 3533 Engineering Mathematics                      | *CET 4812 BT Internship                |
| *CET 3543 F.E. Exam Review                             |  |

\*Has a prerequisite

**TOTAL: 80 HOURS**

## FIND OUT MORE

Contact OSUIT School of Engineering Technologies  
918.293.5150 or [melissa.knobloch@okstate.edu](mailto:melissa.knobloch@okstate.edu)

Contact RSU School of Mathematics, Science & Health Sciences  
918.343.6886 or [jgraham@rsu.edu](mailto:jgraham@rsu.edu)

# REQUIREMENTS

## Rogers State University

## OSU Institute of Technology

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### GENERAL EDUCATION REQUIREMENTS: 46 HOURS

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#### English Composition: 6 hours

ENGL 1113 Composition I and  
\*ENGL 1213 Composition II

\*ENGL 1113 Freshman Composition I and  
\*ENGL 1213 Freshman Composition II

#### Communication: 3 hours

SPCH 1113 Speech Communication

SPCH 1113 Introduction to Speech

#### U.S. History: 3 hours

HIST 2483 American History to 1877 or  
HIST 2493 American History since 1877

HIST 1483 U.S. History to 1865 or  
HIST 1493 U.S. History since 1865

#### U.S. Government: 3 hours

POLS 1113 American Federal Government

POLS 1113 U.S. Government

#### Mathematics: 13 hours

\*MATH 1513 College Algebra and  
\*MATH 1613 Trigonometry  
\*MATH 2264 Analytic Geometry and Calculus I and  
\*MATH 2464 Analytic Geometry and Calculus II

\*MATH 1513 College Algebra and  
\*MATH 1613 Trigonometry  
\*MATH 2144 Calculus I and  
\*MATH 2153 Calculus II

#### Science: 8 hours

\*PHYS 1114 General Physics I or  
\*PHYS 2015 Engineering Physics I and  
\*CHEM 1315 General Chemistry I

\*PHYS 1114 General Physics I and  
  
\*CHEM 1314 General Chemistry I

#### Humanities: 6 hours

PHIL 1313 Values & Ethics and  
Three hours of additional humanities coursework

PHIL 1213 Ethics and  
Three hours of additional humanities coursework

#### Life Skills: 1 hour

ORIE 1151 The College Experience

GTGE 1111 College Cornerstone

#### General Education Elective: 3 hours

Three hours of social science, foreign language  
or fine arts coursework

Three hours of social science, foreign language  
or fine arts coursework

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\*Course has a prerequisite

**TOTAL: 46 HOURS**