



BACHELOR OF TECHNOLOGY



Advance your career by earning a bachelor's degree in Instrumentation 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 instrumentation engineering technology. Through the RSU/OSUIT partnership, students pursuing RSU's Associate of Science in Physical Science may seamlessly transfer and apply up to fifty (50) credit hours toward the OSUIT Associate in Applied Science in Electrical-Electronics/Bachelor of Technology in Instrumentation Engineering Technology program pathway. The remaining coursework, listed below, will be completed through OSUIT.

AAS General Education Requirements: 35 hours

ETD 1102 Basic Mechanics	ETDE 2113 Introduction to PLCs
*ETDE 1243 DC Electronics & Metrology	*ETDE 2123 PLC Applications
*ETDE 1263 AC Electronics & Photonics	*ETDE 2223 Electrical Power Distribution
ETDE 1343 Electrical Motors & Controls	*ETDE 2253 Hydraulics & Pneumatics
*ETDE 1363 Electronic Devices & Standards	*ETDE 2273 Electronic Control Devices
*ETDE 1373 Digital Systems & Microcontrollers	*ETDG 1143 Introduction to Design Drafting

BT General Education Requirements: 3 hours

*ENGL 3323 Technical Writing III

BT Technical Requirements: 40 hours

ETD 2411 Employment Exploration	*ETDE 3223 Industrial Networks
*ETDE 3112 Internship	*ETDE 3313 Heat Transfer & Fluid Mechanics
*ETDE 3123 Instrumentation	*ETDE 3513 Programming for Instrumentation
*ETDE 3133 Process Measurement & Control	*ETDE 4233 Liquid & Gas Flow Measurement
ETDE 3213 Project Management & Engineering Economics	*ETDE 4313 Distributed Control Systems
	*ETDE 4813 Capstone

*Has a prerequisite

TOTAL: 78 HOURS

FIND OUT MORE

Contact OSUIT School of Engineering Technologies
918.293.5150 or melissa.knobloch@okstate.edu

Contact RSU School of Mathematics, Science & Health Sciences
918.343.6886 or jgraham@rsu.edu

REQUIREMENTS

Rogers State University

OSU Institute of Technology

GENERAL EDUCATION REQUIREMENTS: 50 HOURS

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: 12 hours

*PHYS 1114 General Physics I or
*PHYS 2015 Engineering Physics I and
*PHYS 1214 General Physics II or
*PHYS 2115 Engineering Physics II and
*CHEM 1315 General Chemistry I

*PHYS 1114 General Physics I and
*PHYS 1214 General Physics II 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

*Course has a prerequisite

TOTAL: 50 HOURS