

AUTOMATION AND ROBOTICS ENGINEERING TECHNOLOGY, B.S.

Major in Automation & Robotics Engineering Tech

Code	Title	Hours
APPLIED ENGINEERING, SAFETY TECHNOLOGY COURSES		
OSEH 120	Fundamentals of Safety, Health, Environmental Issues	3
AENG 130	Production Materials & Processes	3
AENG 241	Drafting Communications	3
AENG 261	Electronic Systems	3
AENG 262	Semiconductor Electronics	3
AENG 325	Power Conversion and Control	3
AENG 326	Fluid Power	3
AENG 342	Computer-Aided Engineering Drawing	3
AENG 364	Digital Electronics	3
AENG 425	Industrial Robotic Systems	3
AENG 427	Programmable Logic Controllers	3
AENG 467	Mobile Robotics	3
AENG 468	Control Network Integration	3
AENG 494	Total Quality Management	3
Total Hours		42

Req Related for Automation & Robotics Engineering

Code	Title	Hours
CSCI 161	Introduction to Programming 1	4
MATH 130	Elements of Statistics 1	3
MATH 161	Calculus 1	4
CHEM 111	Introductory Chemistry 1	4
PHYS 231	Physics 1 with Calculus	5
OPTION (SELECT/COMPLETE ONE) - Choose 1 of the following options 1-2:		15-16
Option 1. COMPUTER SCIENCE		
CSCI 140	Discrete Structures	
CSCI 162	Introduction to Programming 2	
CSCI 362	Data Structures	
CSCI 450	Artificial Intelligence	
Option 2. TECHNOLOGY MANAGEMENT		
ECON 101	Principles of Macroeconomics	
ECON 102	Principles of Microeconomics	
BUAD 251	Principles of Management	
MGMT 452	Operations and Supply Chain Management	
AENG 492	Technical Entrepreneurship	
Total Hours		35-36