

## Fundamentals of Engineering – Certificate (FUEN.CERT) At Jackson College to Bachelor of Science in Electrical/Electronic Engineering Technology at Wayne State University

The Bachelor of Science in Electrical/Electronic Engineering Technology is available to JC students who earn the Michigan Transfer Agreement (MTA), complete the WSU Expected Electrical/Electronic Engineering Technology Pathway Courses, and finish one of the Associate Degree programs listed in the Engineering Technology Pathway with a cumulative GPA of 2.5 or higher.

Under this agreement, Wayne State University will waive the 60-hour rule and require that a minimum of 58 credits be completed in courses offered by WSU. This allows students to complete more than 60 credit hours at Jackson College, and have those hours applied toward their bachelor's degree.

### FUNDAMENTALS OF ENGINEERING CORE REQUIREMENTS (32 CREDITS)

Course	Credits
CEM 141 General Chemistry I	5
MAT 151 Calculus I	4
MAT 154 Calculus II	5
MAT 251 Calculus III	4
MAT 254 Differential Equations	4
PHY 251 Modern University Physics I	5
PHY 252 Modern University Physics II	5
SEM 140 Seminar in Life Pathways	3

### MTA Requirements (35 Credits)

Course	Credits
ENG-131-Writing Experience I	3
ENG-232-Tech & Business Writing	3
MAT-141-Pre-Calculus	5
CEM-131-Fundamentals of Chemistry	5
PHY-231-College Physics	4
Social Science (See MTA)	3
Approved Social Science (See MTA)	3
PHL-236-Ethics (PHL2320)	3
Approved Humanities/Fine Arts (See Arts)	3

### Expected WSU Engineering Technology Pathway Courses (8 Credits)

\*If courses are not completed at JC, students may not meet requirements and/or acceptance into desired program

Credits	Credits
PHY-232-College Physics II	4
ELT-140-Intro to Digital Electronics	4

Subtotal

75