

**Fulton Montgomery Community College A.A.S. Electrical Technology
to Excelsior College B.S. Electrical Engineering Technology**
Revision: May 2020

This program plan outlines how students may transfer from the **Fulton Montgomery Community College A.A.S. Electrical Technology** program to the **Excelsior College B.S. Electrical Engineering Technology** program. Upon completion of the **A.A.S. Electrical Technology**, the following credits may apply for students enrolling in the **B.S. Electrical Engineering Technology** program.

This guide is only a sample scenario. Excelsior College reviews every student individually. Actual requirements will be dependent on the courses a student transfers and the application date with Excelsior.

| Fulton Montgomery Community College Credits | Semester Hours | Excelsior College Requirements | Semester Hours |
|---|-----------------------|--|-----------------------|
| ENG 103: English I | 3 | Written English Requirement | 3 |
| ENG 104: English II OR ENG 127: Technical/Professional Writing | 3 | Written English Requirement | 3 |
| Mathematics Electives <i>Recommend MAT 170: Analytic Geometry and Calculus I AND MAT 175: Analytic Geometry and Calculus II</i> | 8 | Calculus I Requirement AND Calculus II Requirement | 8 |
| Physics Electives Choose one of the following sequences: <i>SCI 161 and SCI 162 PHY 151 and PHY 152 PHY 171 and PHY 172</i> | 8 | Physics I Requirement AND Physics II Requirement AND Physics Lab Requirement | 8 |
| Liberal Arts Elective | 3 | Arts & Sciences Requirement | 3 |
| Physical Education or Wellness Education | 1 | N/A | 0 |
| ELT 125: Electric Circuit Analysis I | 4 | DC Circuits Core | 4 |
| ELT 132: Digital Electronics | 4 | Digital Electronics Core | 4 |
| ELT 126: Electrical Circuit Analysis II | 3 | AC Circuits Core | 3 |
| ELT 131: Industrial Automation and Robotics I | 3 | Technology Elective | 3 |
| ELT 229: Electronics I | 4 | Electronics I Core | 4 |
| ELT 230: Electronics II | 3 | Electronics II Core | 3 |
| ELT 231: Industrial Automation and Robotics II | 3 | Technology Elective | 3 |
| ELT 232: Nanotechnology and Integrated Circuits | 3 | Technology Elective- NANO concentration only. Others free elective | 3 |
| ELT 236: Microcontroller Fundamentals | 4 | Microprocessors Core | 4 |
| ELT 234: Telecommunications | 3 | Electronic Communications | 3 |
| CIS 105L Computer Applications | 3 | Free Elective | 3 |
| CAD 174: Computer Aided Drafting | 3 | Technology elective | 3 |
| Total Credits Required for Associate | 66 | Total Credits Accepted from Associate | 65 |

Credits Beyond The Associate That Can Be Transferred OR Taken At Excelsior

| Fulton Montgomery Community College Credits | Semester Hours | Excelsior College Requirements |
|--|-----------------------|--|
| Communications Elective | 3 | Communications Requirement |
| Humanities Electives | 3 | Humanities Requirement |
| HU 2581: Ethics | 3 | Ethics Requirement |
| Social Sciences/History Electives | 9 | Social Sciences/History Requirement |
| Mathematics Elective (MAT 140: Pre-calculus) | 3 | Mathematics Requirement (College Algebra or Above) |
| Differential Equations | 3 | Differential Equations Requirement |
| CHM 173: General Chemistry I | 3 | Chemistry I Requirement |

| | | |
|-----------------------------------|-----------|-----------------------------|
| Arts & Sciences Electives | 8 | Arts & Sciences Requirement |
| Total Additional Credits * | 35 | |

| Credits To Be Taken At Excelsior College * | |
|---|-----------------------|
| Excelsior College Requirements | Semester Hours |
| INL 102: Information Literacy (<i>MUST be completed with Excelsior</i>) | 1 |
| IND 301: Cornerstone B (Pathways) (<i>MUST be completed with Excelsior</i>) | 3 |
| IT 240: Introduction to Programming (Computer Programming Core) | 3 |
| IT 390: Project Management (Project Management Core) | 3 |
| Concentration Electives (12 credits at the upper level) Choose ONE concentration area | 12 |
| ELEC 495: Integrated Technology Assessment Capstone (<i>MUST be completed with Excelsior</i>) | 3 |
| Total Credits | 25 |

*All coursework, except where noted, may be completed at Excelsior or transferred from another accredited institution.

| Evaluation Summary | Semester Hours |
|---|-----------------------|
| Credits Accepted from Associate Degree | 65 |
| Additional Credits beyond the Associate Degree | 35 |
| Credits from Excelsior * | 25 |
| Total Credits Required for Bachelor's Degree | 125 |

* Students are required to take a minimum of **12.00 online course credits** from Excelsior to qualify for partner pricing.

| What are Arts and Sciences? |
|--|
| We offer the following definitions to help you make these determinations. Remember, however, that before you pay to take a course or examination you should always consult with your advisor to make sure that it will help meet your degree requirements. |
| Humanities |
| Humanities subjects focus on developing knowledge and skills in critical reading, logical thought, and esthetic appreciation. Here are some subject areas typically classified as Humanities: |
| Art, Philosophy, Music, Foreign Language, Literature, Theater, Ethics, Speech, Religion, Communication |
| Social Sciences and History |
| Social Sciences and History subjects focus on individuals and society and the processes individuals use to order their world. Here are some subject areas typically classified as Social Sciences and History: |
| Psychology, Economics, Sociology, Geography, Political Science, History, Anthropology |
| Natural Sciences and Mathematics |
| Natural Sciences and Mathematics subjects focus on understanding the natural world and problem-solving processes. Here are some subject areas typically classified as Natural Sciences and Mathematics: |
| Anatomy and Physiology, College Algebra, Microbiology, Calculus, Chemistry, Genetics, Biology, Physics |