

## Joliet Junior College to NIU course requirements for an AAS in Electronics Engineering Technology plus courses required for the NIU Industrial Technology BS Degree

### JJC Courses to complete the AAS in Electronics Engineering Technology

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| ___ ENG 101 – Rhetoric I (NIU Engl 103)                  | ___ EET 213 – Power Supplies                   |
| ___ MATH 135 – Plane Trigonometry                        | ___ EET 214 – Microcomputer Electronics        |
| ___ MATH 141 (NIU Math 155 - Trigonometry)               | ___ EET 215 – Adv. Solid State Circuitry       |
| ___ Social Science Elect (per NIU requirements)          | ___ EET 223 – Adv. Electrical Circuits         |
| ___ Humanities Elective (per NIU requirements)           | ___ EET Electives (min. 9 hrs) See catalog     |
| ___ EET 102 – Electronic Soldering                       | ___ EET 224 – Adv. Microcomputer Electronics   |
| ___ EET 103 – Project Construction                       | ___ EET 225 – Electronic Communications Sys.   |
| ___ EET 113 - Electrical Circuits<br>(NIU Tech 175/175A) | ___ Non-EET Electives (min. 6 hrs) See catalog |
| ___ EET 114 – Digital Electronics                        | ___ CAD 101 (NIU Tech 211)                     |
| ___ EET 125 – Solid State Circuitry                      |  |

### JJC Courses needed in completion of NIU IT degree

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| ___ ENG 102 (NIU Engl 104)                         | ___ PHYS 100 (NIU Phys 150A)      |
| ___ SPCH 101 (NIU Coms 100)                        | ___ CHEM 100 (NIU Chem 110 & 111) |
| ___ Humanities Elective (per NIU requirements)     | ___ MATH 128 (NIU Stat 208)       |
| ___ Humanities Elective (per NIU requirements)     | ___ ENG 130 (NIU Tech Writing)    |
| ___ Social Science Elect (per NIU requirements)    | ___ ACCY 101 (NIU Accy 206)       |
| ___ Interdisciplinary Elect (per NIU requirements) |                                   |

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## NIU Course work – Taken at NIU – DeKalb, Hoffman Estates, Naperville, or Rockford

### Required NIU courses

- \_\_\_ Tech 265 – Basic Manufacturing Processes
- \_\_\_ Tech 302 – Graphic Presentation and Communications
- \_\_\_ Tech 395 – Industrial Data Processing
- \_\_\_ Tech 404 – Supervision in Industry
- \_\_\_ Tech 429 - Plant location, Layout and Materials Handling
- \_\_\_ Tech 434 – Human Factors in Industrial Accident Prevention
- \_\_\_ Tech 391 – Industrial Quality Control
- \_\_\_ Tech 496 - Industrial Project Management

### Technology Electives - Choose 4

- \_\_\_ Tech 402 - Industrial Training and Evaluation
- \_\_\_ Tech 442 - Work Simplification
- \_\_\_ Tech 443 - Engineering Economy
- \_\_\_ Tech 444 - Production Control systems
- \_\_\_ Tech 484 - Energy Management
- \_\_\_ Tech 492 – Manufacturing Distribution Applications

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NIU Requirements for graduation – See [www.ceet.niu.edu/tech](http://www.ceet.niu.edu/tech) for more information

- A minimum of 120 hours for graduation
- A minimum of 30 hours in NIU course work
- A minimum of 40 Hours in NIU 300/400 level courses
- Completion of the NIU General Education Core