

## College of DuPage to NIU course requirements for an AAS in Electronics Technology plus courses required for the NIU Industrial Technology BS Degree

### COD Courses to complete the AAS in Electronics Technology

___ Elect 1100 - Electricity & Electronics Fund. (NIU Tech 175/175A)	___ Elect 2255 – Industrial Controls
___ Elect 1101 – Circuits I	___ Cis 1400 – Prgramming Logic & Technique
___ Elect 1102 – Circuits II	___ Physi 1201 Gen. Physics I (NIU Phys 150A)
___ Elect 1118 – Calculus for Electronics	___ Physi 1202 – General Physics II
___ Elect 1120 – Electronic Documentation	___ Math 1431 – Precalculus I
___ Elect 1130 - Electronics Materials & Fabrication	___ Math 1432 - (NIU Math 155 - Trigonometry)
___ Elect 1141 – Digital Fundamentals	___ Social Science Elect (per NIU requirements)
___ Elect 1151 - Electronic Devices & Apps. I	___ Humanities Elective (per NIU requirements)
___ Elect 1152 – Electronic Devices & Apps. II	___ Engli 1101 – Eng. Comp. I (NIU Engl 103)
___ Elect 1161 – Electronic Communication I	___ Speec 1100 (NIU Coms 100)
___ Elect 1162 – Electronic Communication II	___ Global/Multicultural Studies or Contemporary Life Skills category (2 credits)

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

___ Engli 1102 - Eng. Comp II (NIU Engl 104)	___ Math 1635 – Statistics (NIU Stat 208)
___ Humanities Elective (per NIU requirements)	___ Engli 1105 (NIU Tech Writing)
___ Humanities Elective (per NIU requirements)	___ Chemi 1105 or 1211 - (NIU Chem 110/111)
___ Social Science Elect (per NIU requirements)	___ Accou 1140 – Finan. Acctg. (NIU Accy 206)
___ Interdisciplinary Elect (per NIU requirements)	___ Engin 1101 - (NIU Tech 211)

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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