

College of Lake County to NIU course requirements for an AAS in Electronics Engineering Technology plus courses required for the NIU Industrial Technology BS Degree

CLC Courses to complete the AAS in Electronics Engineering Technology

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| ___ ELT 111 – Electronic Drafting | ___ ELT 113 – Transistor Electronics |
| ___ ELT 170 - DC Circuit Fundamentals (NIU Tech 175/175A) | ___ ELT 216 – Microprocessors I |
| ___ ELC 173 – DC Analysis-Network Theorems | ___ MTH 224 – Calculus for Bus. & Soc. Science |
| ___ MTH 117 & MTH 118 (NIU Math 155 – Trig) | ___ PHY 120 – Physics (NIU Phys 150A) |
| ___ ELT 116 – Technical Programming | ___ CMM 121 – Fund of Speech (NIU Coms 100) |
| ___ ENG 121 – Engl Comp I (NIU Engl 103) | ___ ELT 115 – Electronic Lab Techniques or approved Technical Elective |
| ___ ELT 213 – Intro to Digital Electronics | ___ ELT 211 – Adv. Solid State Electronics |
| ___ ELC 174 – AC Fundamentals | ___ ELT 212 – Electronic Communication Sys. |
| ___ ELC 175 – AC Analysis & Circuit Theorems | ___ ELT 217 – Microprocessors II |
| ___ SOC 121 – Intro to Sociology (NIU Social Science Elective) | ___ ECO 221 – Principles of Macroeconomics (NIU Social Science Elective) |
| ___ Humanities Elective per NIU requirements | |

CLC Courses needed in completion of NIU IT degree

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| ___ ENG 122 - English Comp II (NIU Engl 104) | ___ ENG 126 (NIU Tech Writing) |
| ___ Humanities Elect (per NIU requirements) | ___ ACC 121 (NIU Accy 206) |
| ___ Humanities Elect (per NIU requirements) | ___ EGR 121 – Engineering Graphics (NIU Tech 211) |
| ___ Interdisciplinary Elect (per NIU requirements) | ___ MCD 111 (NIU Tech 265) |
| ___ CHM 121 (NIU Chem 110 & 111) | |
| ___ MTH 222 (NIU Stat 208) | |

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

Required NIU courses

- ___ 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

NIU Requirements for graduation – See 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

7-25-06