

Oakton to NIU course requirements for the AAS in Electronics and Computer Technology to NIU Industrial Management & Technology B.S. Degree

Oakton Courses to complete the AAS in Electronics and Computer Technology

___ EGL 101 – Comp I	___ ELT 221 - Digital Circuit Fund
___ EGL 102 – Comp II	___ ELT 223 - Integrated Circuits
___ MATH 140 – College Algebra	___ ELT 225 – Digital Integrated Circuits
___ Social Science Elective	___ ELT 231 - Fund of Microproc
___ Humanities Elective	___ CNS 105 – Networking Essentials
___ Contemporary Global Studies Elect	___ PHY 131 – College Physics I (Phys 150A)
___ ELT 101 - Intro to Elec. (NIU Tech 175/175A)	Elective courses (minimum of 8 credits)
___ ELT 106 – Semicond. Theory	___ MFG 240 – Programmable Controllers (PLC)
___ ELT 110 – Electronic Drafting (Tech 211)	___ Additional courses – Select from ELT100-299, CNA100-299; CNS140-145
___ ELT 130 – Microcomputer Hardware Systems	

Oakton Courses needed in completion of NIU Industrial Management & Technology degree

___ ACC 153 – Principles of Accounting	___ SPE 103 (NIU COMS 100)
___ MAT 149 – Pre Calculus (NIU Math 155)	___ CHM 101 (NIU CHEM 110 and 111)
___ Humanities Elect (per NIU requirements)	___ MAT 131 (NIU Stat 208)
___ Humanities Elect (per NIU requirements)	___ EGL 111 (NIU Tech Writing)
___ Social Science Elect (per NIU requirements)	___ MEC 105 or 210 (NIU Tech 265)
___ Interdisciplinary Elect (per NIU requirements)	

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

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