

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

COD Courses to complete the AAS in Integrated Engineering Technology

___ Elect 1101 – Circuits I (NIU Tech 175/175A)	___ Manuf 1104 – Technical Mechanics
___ Elect 1141 – Digital Fundamentals	___ Manuf 1180 – Quality Control (NIU Tech 391)
___ Elect 1151 – Electronic Devices & Applica. I	___ Manuf 1190 – Introduction to PLCs
___ Elect 1161 – Electronic Communication I	___ Engli 1101 – Eng. Comp. I (NIU Engl 103)
___ Elect 2241 – Wireless Telecommunications I	___ Engli 1102 - Eng. Comp II (NIU Engl 104)
___ Elect 2242 – Wireless Telecommunications II	___ Speec 1100 (NIU Coms 100)
___ Elect 2273 – Real-Time Sys. & Programming	___ Math 1115 & 1116– Tech. Math I & II (NIU Math 155 – Trigonometry)
___ Elect 2255 – Industrial Controls	___ Humanities Elective (per NIU requirements)
___ Physi 1100 - Physics	___ Social Science Elect (per NIU requirements)
___ Physi 1201 (NIU Phys 150A)	___ Global/Multicultural Studies or Contemporary Life Skills category (2 credits)
___ Manuf 1101 - Industrial Design/CAD (NIU Tech 211)	

COD Courses needed in completion of NIU IT degree

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

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 496 - Industrial Project Management

Technology Electives - Choose 3

___ 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