

College of DuPage to NIU course requirements for an AAS in Drafting/Design plus courses required for the NIU Industrial Technology BS Degree

COD Courses to complete the AAS in Drafting/Design

- ___ Manuf 1101 – Industrial Design/CAD (NIU Tech 211)
- ___ Manuf 1104 – Technical Mechanics
- ___ Manuf 1180 – Quality Control (NIU Tech 391)
- ___ Elect 1100 – Electricity & Electronics Fund. (NIU Tech 175/175A)
- ___ Manuf 1151 – Machine Shop I
- ___ Manuf 2202 – Solid Modeling & Design
- ___ Manuf 2203 - Manufacturing Process&Design
- ___ Manuf 2206 – Mechanical CAD/Drafting
- ___ Manuf 2207 – Tool Design
- ___ Manuf 2208 – Mechanical Design Portfolio
- ___ Manuf 1121 – Physical Metallurgy

- ___ Program electives (13 credits) see catalog for complete course list.
- ___ Suggested courses: Manuf 1141, Manuf 1190, Manuf 2201, Manuf 2251
- ___ Math 1432 - (NIU Math 155 - Trigonometry)
- ___ Chemi 1211 - (NIU Chem 110/111)
- ___ Engli 1101 – Eng. Comp. I (NIU Engl 103)
- ___ Speec 1100 (NIU Coms 100)
- ___ Humanities Elective (per NIU requirements)
- ___ Social Science Elect (per NIU requirements)
- ___ 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)
- ___ Humanities Elective (per NIU requirements)
- ___ Humanities Elective (per NIU requirements)
- ___ Social Science Elect (per NIU requirements)
- ___ Interdisciplinary Elect (per NIU requirements)

- ___ Engli 1105 (NIU Tech Writing)
- ___ Accou 1140 – Finan. Acctg. (NIU Accy 206)
- ___ (NIU Phys 150A)
- ___ Math 1635 – Statistics (NIU Stat 208)

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