

Joliet Junior College to NIU course requirements for an AAS in Construction Technology plus courses required for the NIU Industrial Technology BS Degree

JJC Courses to complete the AAS in Construction Technology

___ CIS 126 – Microsoft Office	___ AEC 121 – Technical Drafting & Sketching
___ ECON 103 (Social Science elective)	___ AEC 205 – Technical Statics
___ ENG 101 – Rhetoric I (NIU Engl 103)	___ AEC 206 – Applied Strength of Materials
___ ENG 130 (NIU Tech Writing)	___ AEC 210 – Estimates & Costs of Construction
___ MATH 135 – Plane Trigonometry	___ AEC 215 – Construction Scheduling & Site Operations
___ PHYS 100 (NIU Phys 150A)	___ AEC 220 – Civil Design
___ AEC 100 – Construction Fundamentals	___ AEC 225 – Mechanical Sys. in Construction
___ AEC 102 – Construction Materials & Testing	___ AEC 230 – Construction Contracting & Specs.
___ AEC 104 – Methods of Building Construction	___ AEC 260 – Project Management
___ AEC 106 – Blueprint Reading for Architecture & Construction	___ BLAW 101 – Business Law I
___ AEC 150 – Construction Surveying & Layout	

JJC Courses needed in completion of NIU IT degree

___ ENG 102 (NIU Engl 104)	___ Interdisciplinary Elect (per NIU requirements)
___ SPCH 101 (NIU Coms 100)	___ MATH 141 (NIU Math 155 - Trigonometry)
___ Humanities Elective (per NIU requirements)	___ CHEM 100 (NIU Chem 110 & 111)
___ Humanities Elective (per NIU requirements)	___ MATH 128 (NIU Stat 208)
___ Humanities Elective (per NIU requirements)	___ ACCY 101 (NIU Accy 206)
___ Social Science Elect (per NIU requirements)	___ EGR 102 (NIU Tech 211)

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

Required NIU courses

___ Tech 175 & 175A – Electricity and Electronics Fundamentals and Lab
___ 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

___ Technology Department elective – must be upper level 300/400 (consult NIU Technology Dept. Advisor)

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