

College of Lake County to NIU course requirements for an AAS in CAD-Drafting Technology (Architectural/Civil Option) plus courses required for the NIU Industrial Technology BS Degree

CLC Courses to complete the AAS in CAD-Drafting Technology (Architectural/Civil Option)

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| ___ CAD 110 - CAD/CAM Concepts (NIU Tech 211) | ___ ARC 171 - Architectural Working Drawings |
| ___ CAD 117 - Introduction to AutoCAD | ___ CAD 214 – Architectural Applications |
| ___ MATH 122 – College Algebra | ___ ARC 228 – Hist of Architecture or Humanities |
| ___ CIV 111 - Surveying or CMT 111 – Construction Layout | ___ Elective per NIU requirements |
| ___ CMT 113 - Construction Materials | ___ ECO 221 or PSC 122 or Social Science |
| ___ CMT 117 – Construction Methods | ___ Elective per NIU requirements |
| ___ ARC 121 – Architectural Graphics I | ___ CAD 217 – AutoCAD II |
| ___ ARC 170 – Architectural Design | ___ ARC 271 – Architectural Working Drawings II |
| ___ ENG 121 – Engl Comp I (NIU Engl 103) | ___ CIV 213 – Subdivision Planning |
| ___ CMM 121 – Fund of Speech (NIU Coms 100) | ___ ARC 216 – Architectural Illustrations |
| ___ CAD 179 – CAD Animation & Rendering I | ___ CAD 279 – CAD Animation & Rendering II |
| ___ CAD 177 – Site Plan & Drafting | ___ CAD 273 - CAD Specialization or EWE 220 – Cooperative Work Experience II |

CLC Courses needed in completion of NIU IT degree

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| ___ ENG 122 - English Comp II (NIU Engl 104) | ___ PHY 120 (NIU Phys 150A) |
| ___ MTH 123 - Trigonometry (NIU Math 155) | ___ MTH 222 (NIU Stat 208) |
| ___ Humanities Elect (per NIU requirements) | ___ ENG 126 (NIU Tech Writing) |
| ___ Humanities Elect (per NIU requirements) | ___ ACC 121 (NIU Accy 206) |
| ___ Interdisciplinary Elect (per NIU requirements) | ___ MCD 111 (NIU Tech 265) |
| ___ CHM 121 (NIU Chem 110 & 111) | ___ ELT 170 & 172 (NIU Tech 175/175A) |

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