

Rock Valley College to NIU course requirements for an AAS in Industrial Computer Systems plus courses required for the Industrial Management and Technology BS Degree

RVC courses to complete the AAS in Industrial Computer Systems

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| ___ CIS 102 – Intro. to Computers & Info. Sys.
(NIU Tech 395) | ___ ENG 101 – Composition I (NIU Engl 103) |
| ___ CIS 180 – Intro. to Visual Basic Programming
or CIS 276 – Intro. to C/C++ Programming | ___ ENG 103 – Composition II (NIU Engl 104) |
| ___ EET 141 – DC/AC Circuits & Electronics I | ___ SPH 131 (NIU Coms 100) |
| ___ EET 142 – DC/AC Circuits & Electronics II | ___ MTH 160 – Topics in Finite Math (NIU Math
Core Comp – Trigonometry requirement) |
| ___ EET 240 – DC/AC Circuits & Electronics III
(Tech 175/175A) | ___ BUS 101 – Introduction to Business |
| ___ EET 135 – Digital Electronics | ___ BUS 223 – Business Statistics (NIU Stat 208) |
| ___ EET 125 – Electronics Fabrications Skills | ___ CHM 101 – General Inorganic Chemistry
(NIU Chem 110 & 111) |
| ___ CDT 146 – Hydraulics, Pneumatics & PLCs | ___ PSY 170 – Gen. Psychology (SS Elective) |
| ___ PCT 110 – Networking Essentials or | ___ Select 9 credits CIS, PCT, or EET electives
(see program director) |
| ___ PCT 120 – Cisco Networking I | |

RVC College courses needed in completion of NIU Industrial Management and Technology Degree

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| ___ Humanities Elective (per NIU requirements) | ___ ENG 110 (NIU Tech Writing) |
| ___ Humanities Elective (per NIU requirements) | ___ ATG 110 – Financial Acctg. (NIU Accy 206) |
| ___ Humanities Elective (per NIU requirements) | ___ EET 141 (NIU Tech 175 and 175A) |
| ___ Social Science Elect (per NIU requirements) | ___ CDT 108 (NIU Tech 211) |
| ___ Interdisciplinary Elect (per NIU requirements) | ___ CDT 105 (NIU Tech 265) |
| ___ PHY 201 (NIU Phys 150A) | |

NIU Course work – Taken at NIU – Rockford

Required NIU courses

- ___ Tech 302 – Graphic Presentation and Communication
- ___ Tech 391 – Industrial Quality Control
- ___ 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 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