

TRANSFER GUIDE: PRAIRIE STATE COLLEGE TO ILLINOIS INSTITUTE OF TECHNOLOGY

**AAS in CAD/Mechanical Design Technology (CAD/MDT) -to-
BACHELOR in Industrial Technology and Management (BINTM)**

Prairie State College students have the opportunity to expand their career options and professional abilities by transferring into the Bachelor of Industrial Technology and Management (INTM) program at Illinois Tech. The INTM program is designed to broaden students' knowledge of how to manage operations, resources, and technology within an industrial organization. This transfer guide outlines curriculum for both programs and identifies how the Prairie State College (PSC) AAS Degree aligns with admission requirements for the INTM degree. Courses must be graded 'C' or better in order to transfer to Illinois Tech.

Prairie State CAD/MDT Required Coursework	Transfers to Illinois Tech as...
<p><u>Communications: 2 courses (6 credits)</u></p> <p>ENG 101 Composition I (3) COMM 101 Principles of Communication (3)</p>	<p>Communications/COM 101 (Writing Proficiency) Communications/COM 101</p>
<p><u>Humanities/Fine Arts: 1 course (3 credits)</u></p> <p>One course from Area B, PSC General Education Core</p>	<p>Humanities; ENG, HIST, HUMAN or PHIL recommended</p>
<p><u>Mathematics: 1 course (4 credits)</u></p> <p>TECH 109 Technical Mathematics I (4)</p>	<p>Math</p>
<p><u>Physical/Life Sciences: 1 course (4 credits)</u></p> <p>PHYSI 120 College Physics I (4)</p>	<p>Natural Science/Engineering (Physics)</p>
<p><u>Social/Behavioral Sciences: 1 course (3 credits)</u></p> <p>One course from Area E, PSC General Education Core</p>	<p>Social Science; PSYCH, SOCIO or POLSC recommended</p>
<p><u>CAD/MDT Major/Technical Coursework: 13 courses (41 credits)</u></p> <p>CADMD 141 Technical Drafting I (3) CADMD 201 Mechanical Layout and Design I (3) CADMD 203 Statics and Strength of Materials (4) CADMD 243 Introduction to AutoCAD (3) CADMD 244 Intermediate AutoCAD (3) CADMD 245 Computer Aided Design (3) MT 101 Machining Basics - Measurement, Materials and Safety (3) MT 102 Machining Job Planning, Benchwork and Layout (3) MT 210 CNC Milling Level I (3) MT 211 CNC Turning Level I (3) MATH 151 College Algebra (4) PHYSI 130 College Physics II (4) ELECTIVE CADMD 246 (2) or CADMD 247 (2)</p>	<p>Natural Science/Engineering (Drafting/Eng Graphics) Technical Coursework Technical Coursework Technical Coursework Technical Coursework Technical Coursework Technical Coursework Technical Coursework Technical Coursework Technical Coursework Technical Coursework Technical Coursework Technical Coursework -- (Required for PSC AAS degree) Natural Science/Engineering (Physics) Technical coursework</p>
<p>TOTAL CREDITS REQUIRED FOR PRAIRIE STATE AAS IN CAD/MECHANICAL DESIGN TECHNOLOGY: 61</p>	
<p><u>Additional course(s) required for transfer to IIT: 3 courses (9-10 credits)</u></p> <p><i>Before taking additional courses, student should contact IIT's INTM Office to consult with an academic advisor (see pg. 3).</i></p> <ul style="list-style-type: none"> - COMPUTER SCIENCE (3): At PSC, ELECT 208 recommended, or ITAPP 101 - MATH (3-4): At PSC, select MATH 115, 153, 155, 157, or 165 (MATH 153 recommended) - SOCIAL SCIENCE or HUMANITIES (3): At PSC, choose one course in PSYC, SOCIO or POLSC, Area E, PSC General Education Core, -or- one course in HIST, ENG, HUMAN or PHILO from Area B, PSC General Education Core 	

INTM Admission Requirements: 60 credits	Satisfied by PSC AAS Coursework
Technical Coursework: 31 credits	CAD/MDT Major/Technical Courses
Mathematics: 5-6 credits	TECH 109 plus MATH 153 or 115
Natural Science/Engineering: 10-11 credits	PHYSI 120, PHYSI 130, CADMD 141
Computer Science: 3 credits	ELECT 208 or ITAPP 101
Humanities/Social Sciences: 9 credits	3 courses as specified

Illinois Tech/INTM Coursework	
<u>Core Curriculum: 45 credits</u>	
INTM 301	Communications for the Workplace (3)
INTM 315	Industrial Enterprises (3)
INTM 322	Industrial Project Management (3)
INTM 404	Marketing, Sales and Product Introduction (3)
INTM 408	Cost Management (3)
INTM 409	Inventory Control (3)
INTM 410	Operations Management (3)
INTM 425	Human Resource Management (3)
INTM 432	Sales & Operations Planning (3)
Humanities (6 credits): Two (2) 300- or 400-level courses; choose from HIST, HUM, PHIL or LIT	
Social Science (6 credits): Two (2) 300- or 400-level courses: choose from PSYC, PS, SOC or ECON	
Interprofessional Project (IPRO) (6 credits)	
<u>INTM Technical and Specialization Electives (21 credits)</u>	
Select seven (7) courses from all electives listed below. Completing a specialization is optional. To complete a specialization, student must complete four (4) courses within an identified focus area. All courses below earn 3 credits.	
<u>General Technical Electives</u>	
INTM 314	Maintenance Technology and Management
INTM 319	Electronics in Industry
INTM 414	Topics in Industry
INTM 418	Industrial Risk Management
INTM 420	Applied Strategies for the Competitive Enterprise
INTM 427	E-Commerce
INTM 477	Entrepreneurship in Industry
<u>Specialization Electives</u>	
<u>Industrial Facilities (IF)</u>	
INTM 407	Construction Technology
INTM 413	Facilities and Construction Administration
INTM 415	Advanced Project Management
INTM 416	Integrated Facilities Management
INTM 417	Construction Estimating
<u>Industrial Sustainability (ST)</u>	
INTM 459	Issues in Industrial Sustainability
INTM 460	Sustainability of Critical Materials
INTM 461	Energy Options in Industry
INTM 462	Special Topics in Industry
<u>Manufacturing Technology (MT)</u>	
INTM 406	Quality Control
INTM 412	Mfg Processes for Metals/Mechanical Systems
INTM 431	Mfg Processes for Electronics/Electrical Systems
INTM 433	Chemical Processes in Industry
INTM 446	Manufacturing and Logistics Info Systems
<u>Supply Chain Management (SCM)</u>	
INTM 430	Transportation
INTM 441	Supply Chain Management
INTM 442	Warehousing and Distribution
INTM 443	Purchasing
INTM 444	Export/Import
INTM 446	Manufacturing and Logistics Info Systems
<u>Telecommunication Technology (TT)</u>	
ITMO 440	Introduction to Data Networks and the Internet
ITMO 441	Network Applications and Operations
ITMS 448	Cyber Security Technologies
INTM 449	Telecommunications over Data Networks
TOTAL CREDITS TO BE COMPLETED AT ILLINOIS INSTITUTE OF TECHNOLOGY: 66	
TOTAL CREDITS REQUIRED FOR BACHELOR IN INDUSTRIAL TECHNOLOGY & MANAGEMENT: 126	

FOR MORE INFORMATION...

PRAIRIE STATE COLLEGE
202 S. Halsted Street
Chicago Heights, IL 60411



Martin Wolfe
Program Coordinator, Manufacturing and Welding
708.709.7807
mwolfe@prairiestate.edu

PSC Counseling and Academic Advising
First Floor, Room 1190
708.709.3506
<http://prairiestate.edu/get-started/index.aspx>

CAD/MDT Program Advising Guide: http://prairiestate.edu/Assets/Global/advisingguides/cadmd_aas.pdf

CAD/MDT Website: <http://prairiestate.edu/academics/academic-programs/industrial-technology/cadmechanical-design-technology.aspx>

PSC Programs Catalog: <http://prairiestate.edu/apply-reg-pay/how-to-enroll/catalogs/index.aspx>

PSC Enrollment Procedures: <http://prairiestate.edu/assets/global/admissions/formfiles/admissionsfunnel.pdf>

PSC Counseling and Advising Center: <http://prairiestate.edu/student-services/advising-and-counseling/index.aspx>

ILLINOIS INSTITUTE OF TECHNOLOGY
Industrial Technology and Management
3424 S. State Street, Tech South 4001
Chicago IL 60616



Pamela Houser
Program Manager, INTM
312.567.3584
houser@iit.edu

IIT Office of Undergraduate Admissions
312.567.3025
admission@iit.edu
<http://admissions.iit.edu/undergraduate/>

INTM Department Website: <http://appliedtech.iit.edu/intm>

INTM Program Description: <http://appliedtech.iit.edu/industrial-technology-and-management/programs>

INTM General Transfer Guidelines: http://appliedtech.iit.edu/sites/sat/files/elements/INTM/pdfs/INTM_CC_Transfer_Guidelines.pdf

INTM Admission: <http://appliedtech.iit.edu/industrial-technology-and-management/admissions/undergraduate-admission>

IIT/INTM Scholarship Information: <http://appliedtech.iit.edu/industrial-technology-and-management/admissions/scholarship>

IIT Online Application for Transfer Students: <http://admissions.iit.edu/undergraduate/apply/transfer-applications>