Prairie State 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 MT Required Coursework**

<table>
<thead>
<tr>
<th>Communications: 2 courses (6 credits)</th>
<th>Transfers to Illinois Tech as...</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 Composition I (3)</td>
<td>Communications/COM 101 (Writing Proficiency)</td>
</tr>
<tr>
<td>COMM 101 Principles of Communication (3)</td>
<td>Communications/COM 101</td>
</tr>
</tbody>
</table>

**Humanities/Fine Arts: 1 course (3 credits)**

<table>
<thead>
<tr>
<th>Humanities; ENG, HIST, HUMAN or PHIL recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>One course from Area B, PSC General Education Core</td>
</tr>
</tbody>
</table>

**Mathematics: 1 course (4 credits)**

<table>
<thead>
<tr>
<th>Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECH 109 Technical Mathematics I (4)</td>
</tr>
</tbody>
</table>

**Physical/Life Sciences: 1 course (4 credits)**

<table>
<thead>
<tr>
<th>Natural Science/Engineering (Physics)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSI 120 College Physics I (4)</td>
</tr>
</tbody>
</table>

**Social/Behavioral Sciences: 1 course (3 credits)**

<table>
<thead>
<tr>
<th>Social Science; PSYCH, SOCIO or POLSC recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>One course from Area E, PSC General Education Core</td>
</tr>
</tbody>
</table>

**MT Major/Technical Coursework: 13 courses (41-42 credits)**

<table>
<thead>
<tr>
<th>Technical Coursework</th>
</tr>
</thead>
<tbody>
<tr>
<td>CADMD 141 Technical Drafting I (3)</td>
</tr>
<tr>
<td>CADMD 243 Introduction to AutoCAD (3)</td>
</tr>
<tr>
<td>MT 101 Machining Basics - Measurement, Materials and Safety (3)</td>
</tr>
<tr>
<td>MT 102 Machining Job Planning, Benchwork and Layout (3)</td>
</tr>
<tr>
<td>MT 105 Metal Working Processes III (3)</td>
</tr>
<tr>
<td>MT 210 CNC Milling Level I (3)</td>
</tr>
<tr>
<td>MT 211 CNC Turning Level I (3)</td>
</tr>
<tr>
<td>MT 212 Introduction to Robotics (3)</td>
</tr>
<tr>
<td>MT 214 CAD/CAM Systems (3)</td>
</tr>
<tr>
<td>MT 215 Manufacturing Systems (4)</td>
</tr>
<tr>
<td>MATH 151 College Algebra (4)</td>
</tr>
<tr>
<td>PHYSI 130 College Physics II (4)</td>
</tr>
<tr>
<td>ELECTIVE CADMD 244 (3), HYDR 101 (2) or WELD 115 (3)</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS REQUIRED FOR PRAIRIE STATE AAS IN MANUFACTURING TECHNOLOGY: 61-62**

**Additional course(s) required for transfer to IIT: 3 courses (8 credits)**

Before taking additional courses, student should contact IIT’s INTM Office to consult with an academic advisor (see pg. 3).

- **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

<table>
<thead>
<tr>
<th>Technical Coursework: 31 credits</th>
<th>Satisfied by PSC AAS Coursework</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics: 5-6 credits</td>
<td>MT Major/Technical Courses</td>
</tr>
<tr>
<td>Natural Science/Engineering: 10-11 credits</td>
<td>TECH 109 plus MATH 153 or 115</td>
</tr>
<tr>
<td>Computer Science: 3 credits</td>
<td>PHYSI 120, PHYSI 130, CADMD 141</td>
</tr>
<tr>
<td>Humanities/Social Sciences: 9 credits</td>
<td>ELECT 208 or ITAPP 101</td>
</tr>
</tbody>
</table>

### Illinois Tech/INTM Coursework

**Core Curriculum: 45 credits**
- 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/Social Sciences (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)**

### INTM Technical and Specialization Electives (21 credits)

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.

**General Technical Electives**
- 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

**Specialization Electives**

**Industrial Facilities (IF)**
- INTM 407 Construction Technology
- INTM 413 Facilities and Construction Administration
- INTM 415 Advanced Project Management
- INTM 416 Integrated Facilities Management
- INTM 417 Construction Estimating

**Manufacturing Technology (MT)**
- 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

**Telecommunication Technology (TT)**
- 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

**Industrial Sustainability (ST)**
- INTM 459 Issues in Industrial Sustainability
- INTM 460 Sustainability of Critical Materials
- INTM 461 Energy Options in Industry
- INTM 462 Special Topics in Industry

**Supply Chain Management (SCM)**
- 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

**TOTAL CREDITS TO BE COMPLETED AT ILLINOIS INSTITUTE OF TECHNOLOGY: 66**

**TOTAL CREDITS REQUIRED FOR BACHELOR IN INDUSTRIAL TECHNOLOGY & MANAGEMENT: 126**
FOR MORE INFORMATION...

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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

MT Program Website:  http://prairiestate.edu/academics/academic-programs/industrial-technology/manufacturing-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

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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 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