

TRANSFER GUIDE: WAUBONSEE COMMUNITY COLLEGE TO ILLINOIS INSTITUTE OF TECHNOLOGY

**AAS in Advanced Manufacturing Technology (MTT) (840A)-to-
BAC in Industrial Technology and Management (INTM)**

Waubonsee Community 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 setting. This transfer guide outlines curriculum for both programs and identifies how the Waubonsee coursework aligns with INTM admission requirements. Courses must be graded 'C' or better in order to transfer to Illinois Tech.

| Waubonsee MTT Required Coursework | Transfers to Illinois Tech as... |
|---|---|
| <p><u>Communications: 3 courses (9 credits)</u></p> <p>COM 100 Fund. of Speech (3) -or- COM 121 Comm in the Workplace (3) ENG 101 First Yr Comp. I (3) -or- ENG 152 Business Communication (3) ENG 102 First Yr Comp. II (3) -or- ENG 153 Technical Writing (3)</p> <p><u>Mathematics: 1 course (3 credits)</u></p> <p>One course from Section F, IIT-Waubonsee Transfer Credits List http://web.iit.edu/ugaa/transfer-credits/waubonsee/</p> <p><u>Social and Behavioral Science: 1 course (3 credits)</u></p> <p>One course from Section C, IIT-Waubonsee Transfer Credits List</p> <p><u>MTT Major/Technical Coursework: 12 courses (31 credits)</u></p> <p>MTT 100 Safety Principles (1) MTT 101 Introduction to Machine Tool (3) MTT 102 Manual Machine Shop Operations (3) MTT 110 Print Reading for Manufacturing (2) MTT 111 Metrology/Mechanical Inspection (2) MTT 112 Metallurgy Principles (2) MTT 120 CNC Operations (3) MTT 125 CNC Mill Programming (3) MTT 126 CNC Lathe Programming (3) MTT 200 Computer Aided Machining (CAM) (3) MTT 201 Advanced CAM Programming (3) MTT 202 Job Shop Processes (3)</p> <p><u>Electives: 4-5 courses (14 credits)</u></p> <p>Select courses from ABR, AMT, AUT, BUS, CAD, CIS, CMT, EGR, ELT, HVA, IDT, MTT, WLD <i>Recommended: ELT 110 (4)</i> <i>Recommended: CAD 100 (3) and CAD 102 (3)</i> <i>Recommended: MTT 103 (2) and MTT 104 (2)</i></p> | <p>ENG courses satisfy IIT's Writing Proficiency Requirement INTM 301 (Taking both ENG 153 + COM 121 -or- ENG 152)</p> <p>Math (MTH 101 or MTH 107 recommended)</p> <p>Social Science (ECN 100, PSYC 100, or SOC 100 recommended)</p> <p>Technical coursework Technical coursework Technical coursework Technical coursework Technical coursework Natural Science/Engineering (Physics) Technical coursework Computer Science Technical coursework Technical coursework Technical coursework Technical coursework</p> <p>Natural Science/Engineering (Physics) Natural Science/Engineering (Drafting/Eng Graphics) Technical coursework</p> |
| <p>TOTAL CREDITS REQUIRED FOR WAUBONSEE AAS IN MTT/ADVANCED MANUFACTURING TECHNOLOGY: 60</p> | |
| <p><u>Additional course(s)* required for transfer to IIT: 3 course (9 credits)</u></p> <ul style="list-style-type: none"> - MATH (3): At WCC, MTH 107 Basic Statistics recommended, or take one course from Section F, IIT-Waubonsee Transfer Credits List - SOCIAL SCIENCE (3): At WCC, select one course from Section C, IIT-Waubonsee Transfer Credits List; PSYC or SOC recommended. - HUMANITIES (3): At Waubonsee, select one course from Section B, IIT-Waubonsee Transfer Credits List http://web.iit.edu/ugaa/transfer-credits/waubonsee/industrial-or-information-technology | |
| <p><i>*Equivalent coursework completed at another institution may satisfy this requirement. Students with college credit over and above that taken for Waubonsee AAS in MTT/Advanced Manufacturing Technology should consult with INTM at IIT before taking additional courses.</i></p> | |

| INTM Admission Requirements: 60 credits | Satisfied by Waubonsee AAS Coursework |
|---|--|
| Technical Coursework: 31 credits Mathematics: 5-6 credits Natural Science/Engineering: 10-11 credits Computer Science: 3 credits Humanities/Social Sciences: 9 credits | MTT Major/Technical Coursework MTH 101 & MTH 107 (or other) MTT 112, ELT 110, CAD 100, CAD 102 MTT 125 See above and IIT-Waubonsee Transfer Credits List |

| 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 (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 477 Entrepreneurship in Industry | |
| Specialization Electives | |
| Industrial Facilities (IF) INTM 407 Construction Technology INTM 413 Contract Administration for Construction Projects INTM 415 Advanced Project Management INTM 416 Integrated Facilities Management INTM 417 Construction Estimating INTM 423 Sustainable Facilities Operations | 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 |
| 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 Manufacturing Processes in Industry INTM 435 Performance Management in Food Operations INTM 446 Manufacturing and Logistics Info Systems | Supply Chain Management (SCM) INTM 427 E-Commerce in Marketing and Supply Chain Networks 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 |
| 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 | |
| TOTAL CREDITS TO BE COMPLETED AT ILLINOIS TECH: 66 | |
| TOTAL CREDITS REQUIRED FOR BAC IN INDUSTRIAL TECHNOLOGY & MANAGEMENT: 126 | |

FOR MORE INFORMATION...

WAUBONSEE COMMUNITY COLLEGE

Sugar Grove Campus
Route 47 at Waubonsee Drive
Sugar Grove, IL 60554-9454

Sarah Kocunik
Graduation/Transfer Coordinator
630.466.7900 x2933
skocunik@waubonsee.edu

Dr. David Beer
Assistant Dean for Business and Career Technologies
630.466.7900 x 2264
dbeer@waubonsee.edu

MTT Program Description: <http://www.waubonsee.edu/learning/academics/career/machineTool/840/index.php>

Waubonsee Admissions Procedure: <http://www.waubonsee.edu/admission/enroll/index.php>

ILLINOIS INSTITUTE OF TECHNOLOGY

3424 S. State Street, Tech South 4001
Chicago IL 60616

IIT School of Applied Technology 
ILLINOIS INSTITUTE OF TECHNOLOGY

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](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>