

**TRANSFER GUIDE: TRITON COLLEGE TO ILLINOIS INSTITUTE OF TECHNOLOGY**

**AAS in Engineering Technology/Mechatronics (ENT/MEC) (C249V) -to-  
BAC in Industrial Technology and Management (BINTM)**

Triton 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 Triton coursework aligns with admission requirements for the INTM degree. Courses must be graded 'C' or better in order to transfer to Illinois Tech.

Triton ENT/MEC Required Coursework	Transfers to Illinois Tech as...
<b><u>Communications: 2 courses (6 credits)</u></b>	
RHT 101 Freshman Rhetoric and Composition I (3)	Communications/COM 101 (Writing Proficiency)
SPE 101 Principles of Comm <b>-or-</b> RHT 102 Rhetoric & Comp II (3)	--
<b><u>Mathematics: 2 courses (6-7 credits)</u></b>	
MAT 114 Plane Trigonometry (3)	Math
MAT 122 Technical Math (3) <b>-or-</b> MAT 170 Elementary Statistics (4)	Math; Statistics recommended
<b><u>Science: 2 courses (7 credits)</u></b>	
PHY 101 General Physics (Mechanics, Heat & Sound) (5)	Natural Science/Engineering (Physics)
HTH 104 Science of Personal Health <b>-or-</b> HTH 281 First Aid & CPR (2)	--
<b><u>Social Science: TAKE 1 of the following (3 credits)</u></b>	
HIS 151 History of the U.S. to 1877 (3)	Humanities
PSC 150 American National Politics (3)	Social Science
SSC 190 Contemporary Society (3)	Social Science
<b><u>Humanities: 1 course (3 credits)</u></b>	
<i>Elective</i> One course from Section B, IIT-Triton Transfer Credits	HIS, HUM or PHL recommended
<a href="http://web.iit.edu/ugaa/transfer-credits/triton/">http://web.iit.edu/ugaa/transfer-credits/triton/</a>	
<b><u>ENT Major/Technical Coursework: 12 courses (41 credits)</u></b>	
ENT 104 Electricity I (3)	Natural Science/Engineering (Physics)
ENT 110 Production Drawings & CAD (4)	Natural Science/Engineering (Drafting)
ENT 252 Introduction to Mechanical AutoCAD (3)	Technical coursework
ENT 205 Robotics I (4)	Technical coursework
ENT 115 Fluid Power (3)	Technical coursework
ENT 232 Descriptive Geometry (3)	Technical coursework
ENT 204 Programmable Logic Control I (3)	Computer Science
ENT 202 Electricity II (4)	Technical coursework
ENT 260 Jig & Fixture Design (3)	Technical coursework
ENT 206 Programmable Logic Control II (4)	Technical coursework
ENT 207 Robotics II (4)	Technical coursework
ENT XXX Program Elective (3)	Technical coursework
<b>TOTAL CREDITS REQUIRED FOR TRITON AAS IN ENT/MECHATRONICS: 66-67</b>	
<b><u>Additional course(s)* required for transfer to IIT: 1 course (3 credits)</u></b>	
One course from Section C, IIT-Triton Transfer Credits	Social Science; SOC or PSY recommended
<a href="http://web.iit.edu/ugaa/transfer-credits/triton/">http://web.iit.edu/ugaa/transfer-credits/triton/</a>	

\*Equivalent coursework completed at another institution may satisfy this requirement. Students with college credit over and above that taken for Triton AAS in ENT/Mechatronics should consult with INTM at IIT before taking additional courses.

INTM Admission Requirements: 60 credits	Satisfied by Triton AAS Coursework
<b>Technical Coursework: 31 credits</b> <b>Mathematics: 5-6 credits</b> <b>Natural Science/Engineering: 10-11 credits</b> <b>Computer Science: 3 credits</b> <b>Humanities/Social Sciences: 9 credits</b>	ENT Major/Technical Courses MAT 114 w/ MAT 122 or MAT 170 PHY 101, ENT 104, ENT 110 ENT 204 HIST 151, PSC 150, SSC 190 or elective

Illinois Tech/INTM Coursework	
<b>Core Curriculum: 45 credits</b>	
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)	
<b>INTM Technical and Specialization Electives (21 credits)</b>	
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>	
<b>Industrial Facilities (IF)</b>	<b>Industrial Sustainability (ST)</b>
INTM 407 Construction Technology INTM 413 Facilities and Construction Administration INTM 415 Advanced Project Management INTM 416 Integrated Facilities Management INTM 417 Construction Estimating	INTM 459 Issues in Industrial Sustainability INTM 460 Sustainability of Critical Materials INTM 461 Energy Options in Industry INTM 462 Special Topics in Industry
<b>Manufacturing Technology (MT)</b>	<b>Supply Chain Management (SCM)</b>
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	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
<b>Telecommunication Technology (TT)</b>	
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	
<b>TOTAL CREDITS TO BE COMPLETED AT ILLINOIS TECH: 66</b>	
<b>TOTAL CREDITS REQUIRED FOR BAC IN INDUSTRIAL TECHNOLOGY &amp; MANAGEMENT: 126</b>	

**FOR MORE INFORMATION...**

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**Triton Admissions and Records Office**  
708.456.0300 x3130  
[admissions@triton.edu](mailto:admissions@triton.edu)  
[www.triton.edu/admissions](http://www.triton.edu/admissions)

ENT Program Description: <http://www.triton.edu/CollegeCatalog/engineering-technologymechatronics-degree.htm>  
Triton College Online Application: <http://www.triton.edu/application/>

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**ILLINOIS INSTITUTE OF TECHNOLOGY**  
**Industrial Technology and Management**  
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Chicago, IL 60616

**School of Applied Technology**   
ILLINOIS INSTITUTE OF TECHNOLOGY

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**IIT Office of Undergraduate Admissions**  
312.567.3025  
[admission@iit.edu](mailto: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>