

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

**AAS in Advanced Manufacturing Technology-Supply Chain Management (AMT/SCM) -to-  
BAC in Industrial Technology and Management (BINTM)**

Harper College students can 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 Harper coursework aligns with admission requirements for the INTM degree. Courses must be graded 'C' or better in order to transfer, and a maximum of 68 hours can be accepted from a 2-year institution.

Harper AMT/SCM Required Coursework	Transfers to Illinois Tech as...
<p><b><u>Communications: 2 courses (6 credits)</u></b>            ENG 101 Composition (3)            ENG 103 Technical &amp; Report Writing <u>-or-</u> SPE 101 Fund of Speech (3)</p> <p><b><u>Mathematics: 1 course (3 credits)</u></b>            MTH 097 Basic Technical Mathematics (3)</p> <p><b><u>Social Science: 2 courses (6 credits)</u></b>  <i>Electives</i> Two courses from Section C, IIT-Harper Transfer Credits  <a href="http://web.iit.edu/ugaa/transfer-credits/harper/">http://web.iit.edu/ugaa/transfer-credits/harper/</a></p> <p><b><u>Humanities: 1 course (3 credits)</u></b>  <i>Elective</i> One course from Section B, IIT-Harper Transfer Credits  <a href="http://web.iit.edu/ugaa/transfer-credits/harper/">http://web.iit.edu/ugaa/transfer-credits/harper/</a></p> <p><b><u>AMT/SCM Major/Technical Coursework: 13 courses (37 credits)</u></b>            MFT 102 Introduction to Manufacturing and Safety (4)            MFT 104 Quality and Measurement (2)            MFT 108 Manufacturing Processes (3)            MFT 109 Introduction to Manufacturing Maintenance (2)            MFT 119 Manufacturing Internship (2)            SCM 101 Supply Chain Management (3)            SCM 120 Production Control (3)            SCM 122 Inventory Management (3)            SCM 123 Transportation (3)            SCM 124 Warehouse Operations (3)            SCM 125 Procurement (3)            SCM 126 Demand Planning (3)            SCM 226 Advanced Planning and Integration (3)</p> <p><b><u>AMT/SCM Electives: 2 courses (5 credits)</u></b>            Select courses from ELT, MFT, MNT, SCM or WLD</p>	<p>Communications/COM 101 (Writing Proficiency)            ENG 103 may be applied as INTM 301 (IIT core)</p> <p>MTH 097 non-transferable; take MTH 101, 124, 134, 140 or 165</p> <p>PSY or SOC, and ECO recommended</p> <p>HUM, HST or PHI recommended</p> <p>Technical coursework            Technical coursework            Technical coursework            Technical coursework            --            Technical coursework            Technical coursework            Technical coursework            Technical coursework            Technical coursework            Technical coursework            Technical coursework            Technical coursework</p> <p>Take ELT 110 (4) plus ELT 125 (2) or ELT 135 (2), which can be applied as Natural Science/Physics at IIT</p>
<b>TOTAL CREDITS REQUIRED FOR HARPER AAS IN AMT/SCM: 60</b>	
<p><b><u>Additional course(s)* required for transfer to IIT: 3-4 courses (10-13 credits)</u></b></p> <ul style="list-style-type: none"> <li>- MATH (3-6): <i>If MTH 097 taken for core, two MTH courses needed from Section F, IIT-Harper Transfer Credits List. MTH 165 recomm.</i></li> <li>- NATURAL SCIENCE/ENGINEERING (4): <i>If ELT 110 and ELT 125 <u>or</u> 135 are taken to satisfy AMT/SCM electives, one additional 4-credit course (other than Physics, Physical Science, Astronomy or Geology) will be required; BIO or CHM recommended. If ELT 110, 125 <u>and</u> 135 are taken (totaling 8 credits), then one additional 3-credit course (BIO, CHM or EGR 120) would be required. If ELT courses are not taken as AMT/SCM electives, a total of 3 courses (10 credits) must be completed to satisfy this requirement, with 2 courses in a single field and the 3rd course in a separate field. Up to 6 credits may be in Drafting/Engineering Graphics.</i></li> <li>- COMPUTER SCIENCE (3): <i>CIS 101 or CIS 106</i></li> </ul>	

*\*Equivalent coursework completed at another institution may satisfy this requirement. Students with college credit over and above that taken for Harper AAS in AMT/SCM should consult with INTM at Illinois Tech before taking additional courses.*

INTM Admission Requirements: 60 credits	Satisfied by Harper AAS Coursework
<b>Technical Coursework: 31 credits</b>	SCM Major/Technical Courses
<b>Mathematics: 5-6 credits</b>	Two MTH courses as identified above
<b>Natural Science/Engineering: 10-11 credits</b>	ELT 110, ELT 125/ELT 135, plus BIO, CHM or EGR 120
<b>Computer Science: 3 credits</b>	CIS 101 or 106
<b>Humanities/Social Sciences: 9 credits</b>	1 HUM (HST or HUM) and 2 SOC SCI (PSY and SOC)

Illinois Tech/INTM Coursework	
<b>Core Curriculum: 45 credits</b>	
INTM 301 Communications for the Workplace (3)	Humanities (6 credits): Two (2) 300- or 400-level courses (choose from HIST, HUM, PHIL or LIT)
INTM 315 Industrial Enterprises (3)	Social Science (6 credits): Two (2) 300- or 400-level courses (choose from PSYC, PS, SOC or ECON)
INTM 322 Industrial Project Management (3)	Interprofessional Project (IPRO) (6 credits)
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)	
<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 477 Entrepreneurship in Industry	
<u>Specialization Electives</u>	
<b>Industrial Facilities (IF)</b>	<b>Industrial Sustainability (ST)</b>
INTM 407 Construction Technology	INTM 459 Issues in Industrial Sustainability
INTM 413 Facilities and Construction Administration	INTM 460 Sustainability of Critical Materials
INTM 415 Advanced Project Management	INTM 461 Energy Options in Industry
INTM 416 Integrated Facilities Management	INTM 462 Special Topics in Industry
INTM 417 Construction Estimating	
INTM 423 Sustainable Facilities Operations	
<b>Manufacturing Technology (MT)</b>	<b>Supply Chain Management (SCM)</b>
INTM 406 Quality Control	INTM 427 E-Commerce in Marketing & Supply Chain Networks
INTM 412 Mfg Processes for Metals/Mechanical Systems	INTM 430 Transportation
INTM 431 Mfg Processes for Electronics/Electrical Systems	INTM 441 Supply Chain Management
INTM 433 Chemical Processes in Industry	INTM 442 Warehousing and Distribution
INTM 435 Performance Management for Food Operations	INTM 443 Purchasing
INTM 446 Manufacturing and Logistics Info Systems	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**: 60-66</b>	
<b>TOTAL CREDITS REQUIRED FOR BAC IN INDUSTRIAL TECHNOLOGY &amp; MANAGEMENT: 126</b>	
<b>OVERALL CREDITS REQUIRED**: 130-139 (Harper: 60&gt;AAS + 10-13&gt;GenEd + IIT: 60-66)</b>	

\*\* Total credits required based on amount and makeup of transfer credit from Harper College; all courses must be graded "C" or better to transfer

**FOR MORE INFORMATION...**

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**AMT/SCM Program Description:** <http://goforward.harpercollege.edu/academics/areas/transportation/index.php>  
**AMT/SCM Curriculum:** [http://goforward.harpercollege.edu/catalog/fall-2016/programs/career-certificate/manufacturing\\_technology\\_698.pdf](http://goforward.harpercollege.edu/catalog/fall-2016/programs/career-certificate/manufacturing_technology_698.pdf)  
**Harper College Online Application:** <http://goforward.harpercollege.edu/start/apply/>

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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>