Transfer Guide: MVCC to IIT

AAS in Integrated Systems Technology (IST) -to- BAC in Industrial Technology and Management (INTM)

I. IST GENERAL EDUCATION (18 credits)

   Communications (6 credits) ¹
   COM 101 Composition I (3)
   COM 103 Speech Fundamentals (3)

   Mathematics (2 credits)
   MTH 133 Math for Industry (2) ²

   Science (4 credits)
   One course (PHYSICS recommended) from Section E, IIT-MVCC General Education Transfer Credits List:
   www.iit.edu/ugaa/transfer_credit/moraine_valley_community_college/itm.shtml

   Humanities (3 credits)
   One course from Section B, IIT-MVCC General Education Transfer Credits List

   Social Science (3 credits)
   One course from Section C, IIT-MVCC General Education Transfer Credits List

II. IST MAJOR/CAREER COURSEWORK (42 credits) (transfers to IIT as 9 SCI + 3 CS + 30 TECH)

   ELT 101 Electricity and Electronics (3) ³
   ELT 102 Digital Logic/Solid State Devices (3)
   ELT 112 Computers for Industry (1)
   ELT 201 Industrial Controls (3)
   ELT 202 Advanced Industrial Controls (3)
   ELT 211 Introduction to PLCs (3) ⁴
   ELT 222 Advanced PLCs (3)
   IMM 101 Mechanical Systems I (3)
   IMM 103 Machinery Moving and Set-Up (2)
   IMM 107 Mechanical Systems II (3)
   IMM 110 Hydraulics (3) ⁵
   IMM 115 Pneumatics (3)
   WLD 111 Basic Gas/Arc Welding 1 (3)
   IST 109 Prints for Industry (3) ⁶
   WLD 113 Basic Metallurgy and Materials (3)

III. IST ELECTIVES ⁶ (3 credits)

   Career Area elective: Select one course from HAC, IMM, LAN, MDT, MIS, WLD (See note 6 for electives which satisfy Science requirements.)

   CREDIT HOURS REQUIRED FOR MVCC AAS IN INTEGRATED SYSTEMS TECHNOLOGY: 63

IV. ADDITIONAL GENERAL EDUCATION COURSES* TO BE TAKEN AT MVCC OR IIT (10 credits) ⁷

   Mathematics (4 credits): At MVCC, MTH 139 Probability and Statistics is recommended.

   Social Science elective (3 credits): At MVCC, select one course from Section C, IIT-MVCC General Education Transfer Credits List. PSYC or SOC recommended.

   Humanities or Social Science elective (3 credits): At MVCC, select one course from Section B, C, or D, IIT-MVCC General Education Transfer Credits List.

*Equivalent coursework completed at another institution may qualify for transfer to IIT, potentially eliminating the need to take additional courses. Students with college credit over and above that taken for MVCC AAS in IST should consult with INTM regarding additional requirements.

¹ COM 101 and COM 103 are required by MVCC; courses satisfy IIT’s Writing Proficiency Requirement, but credits do not count towards INTM degree requirements.
² A total of 6 credits in Math are required for INTM degree; students are encouraged to complete MTH 133 and MTH 139 Probability and Statistics (4 credits).
³ May be applied as a Physics course within INTM program to satisfy IIT General Education requirements for Science. INTM requires minimum of eleven (11) credit hours in science. Two courses must be in the same field, and at least one course must be in a different field.
⁴ May be applied as a Computer Science (CS) course to satisfy IIT General Education requirements.
⁵ May be applied as a Drafting/Engineering Graphics course within INTM program to satisfy IIT General Education requirements for Science.
⁶ IST electives which satisfy IIT General Education requirements for Science: IST 109, HAC 105, HAC 111, MDT 101, MDT 145
⁷ A total of 12 hours in Social Science/Humanities at the 100- or 200-level are required for the INTM degree; at least 3 hrs, but no more than 6 hrs, must be in HUM.
V. INTM GENERAL EDUCATION (15 credits)

**Humanities** (6 credits): Two (2) 300 or 400 level courses; choose from HIST, PHIL, or LIT

**Social Science** (3 credits): One (1) course 300 or 400 level courses; choose from PSYC, PS, SOC, or ECON

**Interprofessional Project** (IPRO) (6 credits)

VI. INTM CORE COURSEWORK (27 credits)

All INTM courses below are 3 credits.

- INTM 301 Communications for the Workplace
- INTM 315 Industrial Enterprises
- INTM 322 Industrial Project Management
- INTM 404 Marketing, Sales and Product Introduction
- INTM 408 Cost Management
- INTM 409 Inventory Control
- INTM 410 Operations Management
- INTM 425 Human Resource Management
- INTM 432 Sales and Operations Planning

VII. INTM TECHNICAL/SPECIALIZATION ELECTIVES (21 credits)

Select seven (7) courses from all courses listed below. Completing a specialization is optional. To obtain a specialization, student must complete four (4) courses within a single focus area. All courses are 3 credits.

- 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

**Industrial Facilities (IF)**

- INTM 407 Construction Technology
- INTM 413 Facilities and Construction Administration
- INTM 415 Advanced Project Management
- INTM 417 Construction Estimating

**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 Sustainability

**Manufacturing Technology (MT)**

- INTM 406 Quality Control
- INTM 412 Mfg. Processes for Metals/Mechanical Systems
- INTM 431 Mfg. Processes: Electronics/Electrical Systems
- INTM 433 Manufacturing Processes in Chemical Industries
- INTM 446 Manufacturing and Logistics Information Systems

**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

**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 for AAS in IST at MVCC:** 63

**Additional credits* at MVCC or IIT:** 10

**Credits taken at IIT for BAC in INTM:** 63

**Combined Total Credits:** 136

*Equivalent coursework completed at other institutions may qualify for transfer to IIT, thereby reducing the need for additional credits. See Section IV.

CREDIT HOURS TO BE COMPLETED AT IIT: 63
CREDIT HOURS REQUIRED FOR BAC IN INDUSTRIAL TECH & MGMT: 126
FOR MORE INFORMATION...

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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
Online application: http://admissions.iit.edu/undergraduate/apply/transfer-applications