

New Program Proposal

Date Submitted: 02/27/26 10:16 am

Viewing: : **Bachelor in Facilities Management**

Last edit: 02/27/26 10:16 am

Changes proposed by: jmann12

Program Status	Active		
Requestor	Name	James Mann	E-mail
	jmann12@iit.edu		
Origination Date	2026-2-27		
Is this an interdisciplinary program?	No		
Is this stem-eligible?	Yes		
Available for direct application?	Yes		
Academic Unit	Industrial Technology & Mgmt College Armour College of Engineering		
Program Title	Bachelor in Facilities Management		
Effective Academic Year	2026 - 2027	Effective Term	
	Fall 2026		
Academic Level	Undergraduate		

In Workflow

1. INTM Curriculum Committee Chair
2. INTM Chair
3. Academic Affairs
4. Undergraduate Academic Affairs
5. Director of Assessment
6. AC Dean
7. Marketing and Communications
8. Undergraduate Studies Committee Chair
9. Faculty Council Chair
10. Faculty Council Chair
11. Provost
12. President
13. Board of Trustees
14. Academic Affairs

Approval Path

1. 02/27/26 10:24 am
James Mann (jmann12):
Approved for INTM Curriculum Committee Chair
2. 02/27/26 10:25 am
James Mann (jmann12):
Approved for INTM Chair

If all courses in a subject in your department are required, please enter each subject followed by the number ranges in the "Quick Add" field in the pop up box when you click the green plus button below. For example: ARCH 100-499.

What courses will factor the major INTM 301 - Communications for the Workplace
INTM 322 - Industrial Project Management

GPA? INTM 405 - Maintenance Technology and Management
INTM 407 - Construction Technology
INTM 410 - Operations Management
INTM 411 - Functional Facilities Management
INTM 413 - Contract Administration for Construction Projects
INTM 415 - Advanced Project Management
INTM 416 - Integrated Facilities Management
INTM 417 - Construction Estimating
INTM 418 - Industrial Risk Management
INTM 419 - Budgeting and Finance for Facility Managers
INTM 423 - Sustainable Facilities Operations
INTM 425 - Human Resource Management
INTM 459 - Issues in Industrial Sustainability
INTM 460 - Sustainability of Critical Materials
INTM 461 - Energy Options for Industry
INTM 427 - E-Commerce in Marketing and Supply Chain Networks
INTM 403 - Management and Leadership
INTM 443 - Strategic Procurement and Supply Chain Innovation
INTM 404 - Marketing, Sales, and Product Introduction

Program Type Degree

Degree Type Professional Bachelor (BAC)

CIP Code
46.0412 - Building/Construction Site Management/Manager.

Is there more than one Academic Unit proposer?

No

Program Code

Program Attribute

Total Program 126
Credit Hours

Program Narrative and Justification

Narrative description of how the institution determined the need for the program. For example, describe what need this program will address and how the institution became aware of that need. If the program is replacing a current program(s), identify the current program(s) that is being replaced by the new program(s) and provide details describing the benefits of the new program(s). If the program will be offered in connection with, or in response to, an initiative by a governmental entity, provide details of that initiative.

The proposed Bachelor's in Facilities Management (BFM) positions Illinois Tech as a leader in technology-driven, industry-aligned education by directly addressing the convergence of smart infrastructure, digital buildings, sustainability, and tech-enabled operations that are key pillars of modern facilities management. Building on Illinois Tech's longstanding mission to provide distinctive and relevant education in an environment of scientific, technological, and professional knowledge creation and innovation, the BFM integrates cutting-edge topics such as IoT, AI-driven building systems, energy optimization, and sustainable facility operations into its curriculum. This focus not only equips graduates to lead in Chicago's evolving built environment which is centered around urbanization, green regulations, and digital transformation. This environment creates substantial demand advanced FM expertise and reinforces the Illinois Tech's identity as a hub for practical, STEM-focused programs that solve real-world challenges. By elevating the current FM specialization to a named degree emphasizing these forward-looking elements, the BFM strengthens Illinois Tech's reputation for preparing non-traditional learners to drive innovation in high-impact sectors, aligning seamlessly with institutional priorities like experiential learning, cross-disciplinary technology integration, and contributions to economic and environmental progress in the global city of Chicago.

Narrative description of how the program was designed to meet local market needs, or for an online program, regional or national market needs. For example, indicate if Bureau of Labor Statistics data or State labor data systems information was used, and/or if State, regional, or local workforce agencies were consulted. Include how the course content, program length, academic level, admission requirements, and prerequisites were decided; including information received from potential employers about course content; and information regarding the target students and employers.

Program Design and Differentiation

The BFM is a 66-credit completion program following the same model as the current Bachelor's of Industrial Technology and Management (BINTM) degree (typically referred to as a 2+2 program). This degree is tailored to non-traditional students and elevates the current INTM specialization, offering clearer branding and targeted appeal while leveraging existing infrastructure for low-risk launch.

Transfer Pathways: Up to 60 credits from partners (e.g., Triton, Moraine Valley, College of DuPage, Harper, Oakton) in relevant AAS programs.

Curriculum: Example courses cover maintenance technology management, budgeting and finance for facilities management, functional facilities management, sustainable facility operations, energy options, integrated facility management, project/contract management, leadership, and digital transformation (IoT, AI). The curriculum leverages existing course structures, and new course developments are not anticipated until year 2.

Delivery: Evening/online, part-time (typically 4-5 years), with experiential learning: practitioner faculty, projects, plant tours, internships, and seminars by industry leaders.

Differentiation: As the first named bachelor's degree from five INTM's specializations, it provides stronger branding than the current FM track, emphasizing union partnerships and Chicago-focused applications (e.g., industrial buildings or high-rise management).

To further elevate program quality and professional recognition, INTM intends to partner with relevant facilities management organizations, such as the International Facility Management Association (IFMA) Foundation and its Facility Management Accreditation Commission (FMAC). This partnership is intended only for program alignment with globally recognized FM education standards. Importantly, accreditation through IFMA/FMAC is optional and not required, and such alignment carries no cost implications for the proposed BFM degree. This approach allows the program to benefit from internationally informed best practices without adding budgetary or administrative burden, while preserving the option to pursue formal accreditation in the future if advantageous.

Unambiguous Stakeholder Support and Demand Evidence

The INTM Advisory Board, including industry leaders from Chicago manufacturing, construction, facilities, IUOE Local 399 and IBEW 134 support the BFM launch, viewing it as vital for closing workforce gaps in managerial/leadership FM talent. Board commitments include guest lectures and tuition assistance via the IBEW/NECA Tuition Reimbursement Program and the IUOE 399 Education Training Fund. A recent INTM survey of alumni and industry leaders revealed compelling demand:

- >2/3 of FM-role INTM alumni cited needs for more sustainability/technology training.

- >75% believed a specialized BFM would better prepare graduates for career advancement

and management.

90% would recommend; 60% noted employer preference for bachelor's-level FM credentials, linking to higher pay/promotions.

Narrative description of any wage analysis the institution may have performed, including any consideration of Bureau of Labor Statistics wage data related to the new program.

Chicago-Specific Demand and Regional Impact

National data from the U.S. Bureau of Labor Statistics (BLS) projects 4% growth for administrative services and facilities managers through 2034, with a median annual wage of \$106,880 [A]. However, Chicago's regional market underscores even stronger demand due to the city's dense urban infrastructure, including high-rises, industrial facilities, and critical sectors like healthcare and transportation. In the Chicago-Naperville-Elgin metro area, BLS data shows approximately 4,070 facilities managers employed as of May 2021 (latest available detailed metro-level estimate), with an annual mean wage of \$110,100 (above the national median) reflecting competitive local compensation [B]. Local job postings highlight shortages: As of February 2026, over 12,000 facilities management-related positions are available in Chicago on platforms like Indeed, with roles emphasizing skills in sustainability, HVAC, and smart tech integration [C]. Regional reports note persistent talent gaps in skilled FM leaders, intensified by Chicago's focus on energy efficiency and infrastructure upgrades, with half of surveyed FM professionals citing scarcity of candidates with required skills as a key challenge [D]. Union partnerships provide a robust pipeline: IUOE Local 399, with over 9,000 members in Illinois and Indiana, operates extensive training programs and an Education Training Fund that supports tuition for members pursuing degrees like the proposed BFM [E]. Similarly, IBEW Local 134 represents over 12,000 electricians in the Chicago region, many in facilities-related roles, with apprenticeship programs feeding into higher education pathways [F]. These unions have committed to guest lectures and ongoing sponsored student scholarships, potentially channeling 15-20 candidates annually from their ranks based on current INTM enrollment patterns and union education initiatives. Feeder volumes from partner community colleges bolster this: Programs such as Oakton's Facilities Management and Engineering AAS, Triton's Facilities Engineering Technology AAS, and Moraine Valley's technical trades certificates (e.g., HVAC and Welding) serve as key transfer pathways, with up to 60 credits accepted [G] [H]. While specific enrollment data is not publicly detailed, these colleges collectively enroll thousands in technical AAS programs annually; for instance, Triton and Moraine Valley report strong demand in engineering and trades, projecting 5-10 annual transfers per partner based on historical INTM data and regional workforce needs. The INTM Advisory Board, including Chicago-based leaders from manufacturing, construction, and facilities (with overlap from the Chief Engineers Association of Chicago), endorses the BFM as essential for addressing local managerial gaps, supported by commitments for experiential opportunities.

Chicago-Specific Bibliography

[A] U.S. Bureau of Labor Statistics, Occupational Outlook Handbook: Administrative Services and Facilities Managers (updated projections for 2024–2034).

www.bls.gov/ooh/management/administrative-services-managers.htm

[B] U.S. Bureau of Labor Statistics, Occupational Employment and Wages: Facilities Managers (May 2021 data for Chicago-Naperville-Elgin, IL-IN-WI).

www.bls.gov/oes/2021/may/oes113013.htm

[C] Indeed.com, Facilities Management Jobs in Chicago, IL (search results as of February 2026). www.indeed.com/q-facilities-management-l-chicago,-il-jobs.html

[D] JLL, Global State of Facilities Management 2025 Report (noting talent scarcity in FM).

www.jll.com/en-us/insights/global-state-of-facilities-management-report

[E] International Union of Operating Engineers Local 399, Organizing Booklet (2021, stating over 9,000 members). www.iuoe399.org/media/filer_public/89/06/89062de0-6935-4353-bc07-0288721086c3/2021_organizing_booklet_digital.pdf

[F] UnionFacts.com, International Brotherhood of Electrical Workers Local 134 Membership (2024 data, 12,045 members). unionfacts.com/local-union/35399/IBEW/134/membership

[G] Oakton College, Facilities Management and Engineering Program Description and Catalog. www.oakton.edu/academics/list-of-programs/facilities-management-and-engineering.php

[H] Triton College, Facilities Engineering Technology Program Description and Catalog. www.triton.edu/about/dept/academic/school-of-business-and-technology/facilities-engineering-technology

Narrative description of how the program was reviewed or approved by, or developed in conjunction with, one or more of the following: a) business advisory committees; b) program integrity boards; c) public or private oversight or regulatory agencies (not including the state licensing/authorization agency and accrediting agency); and d) businesses that would likely employ graduates of the program. For example, describe the steps taken to develop the program, identify when and with whom discussions were held, provide relevant details of any proposals or correspondence generated, and/or describe any process used to evaluate the program.

The proposed Bachelor's in Facilities Management (BFM) reflects a multi year, collaborative development process involving input from industry partners, advisory committees, union leadership, and employers that hire facilities management professionals. The program review incorporated both qualitative consultation and quantitative components from survey data and professional discussions. Importantly, survey data included industry participants from IUOE 399, IBEW 134, and other Chicago-based FM employers. These data reinforced market demand and validated the decision to elevate the existing FM specialization into a named bachelor's degree.

Review and Recommendation by the INTM Industrial Advisory Board

The INTM Industrial Advisory Board, representing Chicago-area leaders in facilities management, operations, construction technology, and sustainability, also emphasized the need for a separate BFM degree (fall 2025 INTM Advisory Board meeting) to address:

- 1) Persistent shortages of supervisory/management/leadership FM talent across data centers, high-rise buildings, and industrial/laboratory facilities.
- 2) Employer frustration with applicants lacking formal FM education.
- 3) Increasing requirements for sustainability, smart building technology, and compliance knowledge.

The Advisory Board unanimously recommended launching a named BFM degree. The recommendation was informed by first-hand employer interactions and by the INTM industry survey results that were completed in prior years.

2. Program Integrity Review Through INTM Curriculum Committees

INTM Internal Curriculum Review (2020-2026)

INTM Curriculum Committees reviewed the BFM program and made recommendations based on Employer expectations; Learning outcomes; Transfer-credit alignment with community college pathways, and; Industry survey data was solicited from practicing facilities managers.

Integration of Survey

Survey feedback including IUOE 399 engineers, IBEW 134 electricians, facility directors, chief engineers, and alumni, highlighted opportunities for a focused FM degree. The committee assessments were incorporated the survey analysis to strengthening the business, digital, and sustainability components of the proposed BFM curriculum in key areas, including:

- Leadership and management
- Budgeting and business operations
- Sustainability and energy efficiency skill sets
- Smart building technology, IoT, and digital operations
- Project and contract management

3. Alignment with Industry Standards Through Non-Regulatory FM Organizations

While no external accreditation is required for the BFM degree, INTM consulted with the International Facility Management Association (IFMA) during the program development. These discussions identified key thrusts:

- Integrating competencies in energy management, asset lifecycle management, and digital building controls

- Aligning BFM learning outcomes to IFMA FM competency areas (11 areas).

- Maintaining future flexibility for optional accreditation

- The alignment helps ensure relevance and industry recognition.

4. Engagement with Employers and Industry Stakeholders

Illinois Tech conducted structured interviews, focus groups, and distributed surveys to industry professionals between early 2019 and 2021. Respondents included:

- IUOE Local 399 chief and operating engineers

- IBEW Local 134 journeymen and construction electricians working in facility roles

- CEAC members

- Facility directors, energy managers, and building engineers in Chicago commercial and industrial sectors.

- INTM alumni currently employed in FM roles

Key Survey Findings

Industry-wide survey responses

- >2/3 of FM-role INTM alumni cited needs for more sustainability/technology training.

- >75% believed a specialized BFM would better prepare graduates for career advancement and management.

- 90% would recommend; 60% noted employer preference for bachelor's-level FM credentials, linking to higher pay/promotions.

- IUOE 399 respondents emphasized the need for more coursework in building automation systems, preventive/predictive maintenance, and compliance.

- IBEW 134 respondents identified growing demand for FM professionals who can interpret electrical systems data, integrate smart sensors/IoT, and coordinate project management tasks.

Employer qualitative input

Interviewed employers reported:

- Talent shortages exacerbated by retirements and increasing system complexity.

- A need for graduates who understand both technical systems and managerial responsibilities.

- Strong interest in collaborating on experiential learning, tours, and applied projects.

This dual quantitative qualitative evidence strongly shaped course emphasis areas and validated the market case for a standalone BFM degree.

5. Process for Evaluation and Structuring

An integrated process ensures that the BFM degree is motivated by workforce needs, industry standards, employer expectations, and alignment with Illinois Tech's mission.

The final evaluation combined:

- Advisory Board recommendations

- Survey data from IUOE 399, IBEW 134, CEAC, and industry employers

- Labor market analyses for the Chicago region

- Internal academic and administrative expertise

internal academic and curriculum review

Alignment with community colleges as direct feeders to the BFM degree program

Projected enrollment

Conclusion

The comprehensive, multi year review process confirms that the proposed Bachelor's in Facilities Management (BFM) is a relevant, well aligned, and strategically justified degree for launch in Fall 2026. The BFM program was developed through extensive consultation, reflecting business advisory committees such as the INTM Industrial Advisory Board, internal program INTM Curriculum Committees, and guidance from professional organizations like IFMA. Additionally, employers and unions that directly hire facilities management professional (including IUOE 399, IBEW 134, CEAC, and a wide range of Chicago area facilities organizations) contributed critical insights into workforce needs and skill gaps. Survey data from industry professionals provided quantitative evidence of employer demand, reinforcing the necessity for a specialized FM bachelor's degree. These efforts ensure that the BFM degree addresses documented industry needs and prepares graduates with the competencies required for current and future facilities management roles.

Admission Entry Details

Available Fall Admit	Yes	Available Spring Admit	Yes	Available Summer Admit
No				
Available On Campus	Yes		Available Online	
Available Full-Time	Yes		Available Part-Time	
Yes				
Available International	Yes		Available Domestic	
	Yes			

What are the enrollment estimates?

Year 1	15	Year 2	20	Year 3	25
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Attach Additional Program Justification Document(s)	INTM BFM Proposal 25Feb2026.pdf AdministrativeServices Facilities Managers OccupationalOutlookHbk USBureauLaborStatistics.pdf Facilities Managers.pdf Facilities Engineering Technology Triton College.pdf
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Academic Information

Advising

Since quality advising is a key component of good retention, graduation, and career placement, how will students be mentored? What student professional organizations will be formed? How will the department work with the Career Services office to develop industry connections?

INTM program will implement the following student advising and mentoring structure to support retention, graduation success, and career placement.

1. Dedicated Academic Advising

Each student is assigned a professional academic advisor familiar with transfer pathways, AAS backgrounds, and working adult schedules.

Advisors guide course sequencing, progress toward graduation, and transfer credit evaluation.

Industry Mentorship Opportunities

INTM is building a mentorship network of INTM alumni and industry partners.

Students can pursue future opportunities for one-on-one mentorship and structured mentoring groups

Special Support for Adult and Transfer Students

Evening advising hours and virtual appointments

Tailored academic plans for students that are working

Support for students balancing shift-based work schedules

2. Student Professional Organizations

To foster engagement and professional identity, the INTM will support or create student organizations aligned with the FM profession:

International Facility Management Association (IFMA) Student Chapter

A flagship organization for students pursuing facility, property, and building operations careers. A student chapter can sponsor Industry guest speakers; Jobsite tours; IFMA conferences and workshops

Building Owners and Managers Association (BOMA) Student Group

Focused on property management, operations, and real-estate FM pathways. Offers exposure to building owners, property managers, and operations executives.

3. Collaboration with Career Services to Build Industry Connections

The department will implement a coordinated strategy with the Career Services office:

INTM staff will work with Illinois Tech Career Services to address unique needs of working adult students, transfer students, and part-time students.

Specialized workshops for 1) FM resume development; 2) Interviewing guidance for supervisory roles

Program Resources

Which program
resources are

necessary to offer
this program?

Personnel

Describe the personnel requirements necessary to offer the program. Describe how and when resources will be made available to hire any additional personnel that are required.

The personnel resources include the current INTM staff (Director, Senior Associate Director, and Program Manager).

Proposed Catalog Entry

Admission

Requirements

Admission Transfer Requirements: 60 credit hours

Technical coursework: 32 credits

Mathematics: 5-6 credits

Natural Science or Engineering: 10-11 credits

Computer Science: 3 credits

Humanities and Social Sciences: 9 credits

Candidates must complete an application for undergraduate admission and submit official transcripts from all colleges attended. The BINTM program nominally requires the transfer of 60 credit hours as outlined in the following admission requirements:

Mathematics¹ Five to six credit hours at the level of MATH 119 (at IIT) or above. Statistics highly recommended. Technical mathematics is also accepted.

Natural Science¹ 10 to 11 credit hours of science or engineering courses. Relevant courses include physics, chemistry, or biology (physics highly recommended). Up to six credit hours may be in engineering graphics/drafting/CAD. Two sequential courses must be completed in a single field and the third course must be in a different field. In certain cases, technology courses may satisfy requirement.

Computer Science Three credit hours of computer literacy/programming.

Humanities and Social Sciences Nine credit hours. Humanities courses include literature, philosophy (except logic), and history. Social sciences typically include anthropology, geography, political science, psychology, sociology, and economics (recommended). A minimum of three credit hours in humanities and three credit hours in social sciences is required.

Technical Coursework 31-33 credit hours. (Candidates with adequate college credit but lacking the technical coursework may qualify for admission based on a strong interest and/or relevant industrial experience.)

¹ A minimum 16 credit hours is required between mathematics and natural science or engineering.

Course Requirements

The Bachelor's in Facilities Management (BFM) degree in the INTM program requires a total of 126 credit hours of courses. This is comprised of 66 credit hours (22 courses) of junior- and senior-level courses completed at Illinois Institute of Technology and the 60 transfer credit hours required for admission. Students may attend on a part-

time or full-time basis, understanding that INTM courses are generally offered evenings to accommodate full-time work schedules of students.

The core curriculum for the BFM degree (14 courses) emphasizes proficiency in the essential functions of industrial enterprises with a focus on management-related topics. This coursework includes upper-level humanities and social sciences electives and two Interprofessional Projects (IPRO). In addition, students complete seven electives, generally consisting of three technical electives and four specialization electives. Electives provide in-depth coverage of specific aspects of industrial organizations and their related sectors. Students choose elective courses based on career goals and personal interests, and have the option to complete a formal specialization by taking four courses within one specialty area.

Sample
Curriculum/Program
Requirements

Year 1

Semester 1 (9 credit hours)

INTM 301 – 3 credit hours

INTM 322 – 3 credit hours

INTM 405 – 3 credit hours

Semester 2 (9 credit hours)

INTM 407 – 3 credit hours

INTM 403 – 3 credit hours

INTM Elective – 3 credit hours

Year 2

Semester 1 (9 credit hours)

INTM 410 – 3 credit hours

INTM 411 – 3 credit hours

Humanities Elective (300-level or higher) – 3 credit hours

Semester 2 (9 credit hours)

INTM 418 – 3 credit hours

INTM 425 – 3 credit hours

Social Sciences Elective (300-level or higher) – 3 credit hours

Year 3

Semester 1 (9 credit hours)

INTM 415 – 3 credit hours

INTM 423 – 3 credit hours

IPRO Elective I – 3 credit hours

Semester 2 (9 credit hours)

INTM 413 – 3 credit hours

INTM 416 – 3 credit hours

Social Sciences Elective (300-level or higher) – 3 credit hours

Year 4

Semester 1 (6 credit hours)

INTM 419 – 3 credit hours

Humanities Elective (300-level or higher) – 3 credit hours

Semester 2 (6 credit hours)

IPRO Elective II – 3 credit hours

INTM Elective – 3 credit hours

Total Program Credit Hours: 66

Specialization
Requirements

Program Outcomes and Assessment Process

What are your learning objectives in this program? Please list each learning objective in the boxes below:

Note: These should be the same as described in your assessment plan at the bottom of this form.

Demonstrate comprehensive knowledge of building operations, maintenance, and integrated facility systems.

Apply best practices and implementation in facilities management using digital tools, data analytics, automation systems, and emerging AI technologies.

Understand how to identify, assess, and address operational, technical, and situational challenges across diverse facility environments.

Design and implement emergency preparedness, risk mitigation, and occupant safety plans that incorporate modern resilience and cybersecurity considerations.

Manage and execute sustainability initiatives, including energy management, green building practices, and carbon reduction strategies.

Interpret and use data from digital platforms, IoT systems, and predictive technologies to optimize performance and support decision making.

Lead ethically and effectively, assuming professional responsibility while motivating, managing, and developing personnel.

Communicate clearly and professionally with diverse stakeholders using both traditional and digital communication methods.

Lead, coordinate, and collaborate with multidisciplinary teams in technologically evolving facility environments.

Upload your
assessment plan
here:

[INTM_BFM_Assessment_CurriculumMap.pdf](#)

Undergraduate Program Requirements

What courses will factor the major GPA?

Undergraduate Degree Requirements

Minimum credit hours 126

Specialization required?
No

Minor required?
No

Proposed General Curriculum

List Major Course Requirements

<u>INTM 301</u>	Communications for the Workplace	3
<u>INTM 403</u>	Management and Leadership	3
<u>INTM 405</u>	Maintenance Technology and Management	3
<u>INTM 410</u>	Operations Management	3
<u>INTM 411</u>	Functional Facilities Management	3
<u>INTM 415</u>	Advanced Project Management	3
<u>INTM 418</u>	Industrial Risk Management	3
<u>INTM 419</u>	Budgeting and Finance for Facility Managers	3
<u>INTM 423</u>	Sustainable Facilities Operations	3
<u>INTM 425</u>	Human Resource Management	3
<u>INTM 322</u>	Industrial Project Management	3
<u>INTM 407</u>	Construction Technology	3
<u>INTM 413</u>	Contract Administration for Construction Projects	3
<u>INTM 416</u>	Integrated Facilities Management	3

List Mathematics
Requirements

Five to six credit hours at the level of MATH 119 (at IIT) or above. Statistics highly recommended. Technical mathematics is also accepted. This requirement is based on established requirements for the BINTM program in INTM.

List Science
Requirements

10 to 11 credit hours of science or engineering courses. Relevant courses include physics, chemistry, or biology (physics highly recommended). Up to six credit hours may be in engineering graphics/drafting/CAD. Two sequential courses must be completed in a single field and the third course must be in a different field. In certain cases, technology courses may satisfy requirement. See [Illinois Tech Core Curriculum, section D](#).

List Computer
Science
Requirements

Three credit hours of computer literacy/programming.

List Humanities and
Social Sciences
Requirements

Nine credit hours. Humanities courses include literature, philosophy (except logic), and history. Social sciences typically include anthropology, geography, political science, psychology, sociology, and economics (recommended). A minimum of three credit hours in humanities and three credit hours in social sciences is required.

List
Interprofessional
Project (IPRO)
Requirements

two Interprofessional Projects (IPRO) (6 cr) required

List Technical
Elective Course
Options

INTM 404	Marketing, Sales, and Product Introduction	3
INTM 417	Construction Estimating	3
INTM 443	Strategic Procurement and Supply Chain Innovation	3
INTM 459	Issues in Industrial Sustainability	3
INTM 461	Energy Options for Industry	3
CAE 474	Introduction to Building Information Modeling	3
CAE 468	Architectural Design	3
CAE 573	Construction Management with Building Information Modeling	3
INTM 460	Sustainability of Critical Materials	3

List Free Elective
Credit Hours (if
applicable)

Semester-by-
semester plan of
study for the
degree program

Reviewer
Comments

