

Entering Fall 2018 - BS in IM&T: Program Requirements

To graduate with the Bachelor of Science in Information Management and Technology from the School of Information Studies, you must complete 120 credits including the Core Requirement of 42 - 43 credits with a minimum School of Information Studies GPA of 2.5. You must also achieve an overall Syracuse University GPA of 2.0. *It is your responsibility to know and understand your degree requirements. Note: You may not use a course to fulfill more than one requirement.*

Information Management and Technology Primary Core (27-28 Credits):

- | | | | | |
|---|---|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> IST 101 First Year Forum | <input type="checkbox"/> IST 195 | <input type="checkbox"/> IST 233 | <input type="checkbox"/> IST 256 | <input type="checkbox"/> IST 335 |
| <input type="checkbox"/> IST 345 | <input type="checkbox"/> IST 346
(pre-req=233) | <input type="checkbox"/> IST 352 | <input type="checkbox"/> IST 359 | <input type="checkbox"/> IST 466 |

Information Management and Technology Electives (15 Credits):

Concentration	Elective IST Courses	
<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____
<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____
<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____

Arts & Sciences Divisional Requirements (12 courses; 3-credit minimum for each course):

Social Sciences 3 Courses	Humanities 3 Courses	Science/Math 3 Courses	Other A&S 3 Courses
<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []
<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []
<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []

Skill electives (18 - 24 Credits):

Quantitative Skills 6-8 Credits	Communications Skills 12 Credits	International Experience
<input type="checkbox"/> _____ []	<input type="checkbox"/> WRT105 or WRT109 []	<input type="checkbox"/> []
<input type="checkbox"/> _____ []	<input type="checkbox"/> WRT205 or WRT209 []	<input type="checkbox"/> []
<p><small>You may not take MAT 121 if you have taken any Math course numbered 183 or higher.</small></p> <p><small>You may fulfill this requirement by receiving a grade of "C" or above in: MAT 284, 285, 286, 295, or 296. MAT 111, 112, 113 <i>do not</i> meet this requirement, but count as general electives.</small></p>	<input type="checkbox"/> IST344 []	<p><small>*The International Experience requirement may be fulfilled by study abroad, an international internship, or specific course work.</small></p>
	<input type="checkbox"/> WRT303 or WRT 307 []	

Arts and Science elective credits to complete a minimum of 57 credits.

General Electives: All remaining credits needed to complete a minimum of 120 credits. **A maximum of 3 credits of PED credit may count towards your degree. Additional PED credits may be taken but not counted in your degree.

<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []
<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []
<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []
<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []	<input type="checkbox"/> _____ []

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Program Requirements for the Major: Detail

BS in Information Management and Technology Curriculum

Students earn the Bachelor of Science in Information Management and Technology by completing 120 credit hours. These credit hours are distributed among the information management and technology major (42-43 credits), arts and sciences electives (36 credits), skills electives (18-24 credits), and general electives (21-24 credits). All courses listed below are offered for 3 credits unless otherwise specified.

I. Information Management and Technology Major: 39-40 credits

A. Primary Core: 27-28 credits

The primary core consists of the following courses:

- IST 101 First Year Forum (1 credit)
- IST 195 Information Technologies

Technology Courses:

- IST 233 Introduction to Computer Networking
- IST 256 App. Programming for Info Systems
- IST 346 Operating Systems Administration
- IST 359 Introduction to Database Management Systems

Management Courses:

- IST 335 Introduction to Information-based Organizations
- IST 352 Information Analysis of Organizational Systems
- IST 345 Managing Information Systems Projects
- IST 466 Professional Issues in Information Management and Technology (Capstone)

B. Information Management and Technology Electives: 15 cr.

Students must complete one concentration (9 credits) from the following list in addition to two additional three credit IST Electives:

Data Analytics:

Required

IST 387 Introduction to Data Science

Electives (choose at least two)

- IST 343 Data in Society
- IST 407 Data Mining
- IST 421 Information Visualization
- IST 462 Scripting for Data Analytics
- IST 486 Social Media in the Organization

Digital Retail Strategies (in partnership with SOM):

Required

- IST 195 Information Technologies
- RMT 301 Retailing Fundamentals
- RMT 407 Retail Buying and Planning
- RMT 457 Electronic Retailing and Buying or RMT 307: Sales and Strategic Partnerships

Electives (choose two)

- IST 263 Intro to Front End Web Development
- IST 486 Social Media in the Enterprise
- IST 523 Graphic Design for the Web

(The RMT classes will count as general elective. The IST Classes will count as General Elective credit and the IST courses will count as IST Electives.)

Information Security Management:

Required

IST 323 Introduction to Information Security

Electives (choose at least two)

- IST 336 Leading Issues in Information Security
- IST 425 Risk Management
- IST 452 Advanced Computer Networking
- IST 476 Applied Information Security

Network and Systems Management:

Required

IST 452 Advanced Networking

Electives (choose at least two)

- GET 239 Enterprise Technologies
- GET 434 Global Computing Challenges
- IST 448 Enterprise Wireless Networking
- IST 453 Telecommunications Regulations
- IST 556 Mobile Network Services

Project Management:

Required

IST 442 Agile Project Management Methods

Elective (choose at least two)

- IST 425 Risk Management
- IST 447 Complex Issues in IT Project Mgmt.
- IST 455 Enterprise IT Consultation
- IST 456 Information Policies and Decision Making

Web Design and Management:

Required

IST 263 Intro. to Front End Web Development

Electives (choose at least two)

- IST 322 Digital Strategy & Analytics for Web Dev.
- IST 363 Advanced Front End Web Design
- IST 449 Human Computer Interaction
- IST 475 Full Stack Web Development
- IST 486 Social Media in the Enterprise
- IST 487 Modern Web Infrastructure
- IST 523 Graphic Design for the Web

Any other 3 credit IST or GET class may be counted as an IST elective. IDS classes may be counted by petition as IST electives if they are not counted towards the IDS minor.

IST students are allowed to complete up to 12 credits of Internship (IST 471) to count in their 120 credits for graduation. Of these 12 credits up to 6 credits may be applied towards IST elective credit and the remaining 6 credits can be applied to General Elective credit.

Arts and Sciences Divisional Requirements

If you take more than 36 credits in the Arts and Sciences, the extra credits will be applied to fulfill general elective requirements. Courses that can be applied to meet Arts and Sciences divisional requirements are listed in the following sections.

Social Sciences Courses

- *Most courses listed or cross-listed as AAS, ANT, ECN, GEO, HST, IRP, MAX, PAF, PSC, PSY, SOC, and SOS
- CSD 303, 422, 427; QSX 111; HNR 260, 360, 460
- LAS 313, 318, 321, 322, 323, 324, 329, 333, 358, 371, 372
- MES 318, 319, 344, 345, 349, 366, 367, 368, 382, 468
- NAT 105, 323, 372, 441, 444, 445, 447, 456, 459, and 461
- SAS 324, 328, 329, 375
- WGS 310, 326, 328, 362, 400, 410, 414, 444, 490 and ALL WGS cross-listed with ANT, ECN, GEO, HST, PSC, PSY and SOC
- LPP255, SWK 326, 328, CFE/HST221, EST 390
- COG courses may be accepted by petition only.

***There are some exceptions. See below to see which classes in these categories count as either Natural Science or Humanities):**

Humanities Courses

- Courses listed or cross-listed as ETS, HOA, HOM, HUM, JSP, LIN, LIT, PHI, and REL.
- Any foreign language course.
- AAS 138, 206, 207, 231, 235, 241, 302, 303, 304, 305, 331, 338, 361, 403, 408, 409, 433, 465, 465, 470, 490, 540
- ANT185, 202, 273, 326, 376
- HST111, 112, 210, 211, 212, 310, 311, 312, 320, 321, 354, 355, 357, 358
- LAS 302, 326, 402, 425, 433, 461, 463, 465, 467, 471, 475, 479, 481, 489, 493, 495, 497
- MES 165, 336, 465
- NAT 142, 208, 244, 273, 346, 347, 348
- SAS 123, 165, 185, 186, 283, 367, 384, 465
- WGS 101, 297, 301, 303, 310, 326, 384, 400, 403, 410, 465, 490 -OR cross listed w/ ETS, HOA, HOM, PHI, & REL
- WRT 114, 255, 422, 423, 424, 428
- All ENG courses *except English as a second language courses (ENL 203, 207, 211, and 213).*
- CSD 316, CLL 390, 490, QSX 112, HNR 240, 340, 440

Natural Sciences & Mathematics Courses

- Courses listed or cross-listed as AST, BIO, CHE, PHY, EAR, and SCI
- Mathematics courses above and including MAT 121
- ANT131, 431, 432, and 433
- CSD 212, 315, 325, 345, 409
- GEO155, 215, 316, 317, 326, 482, 555, 583
- NSD 225
- PSY 223, 323, 324, 334
- HNR 250, 255, 350, 355, 450, and 455
- Credit given CHE 106-116 or 109-119 but not both.
- EAR 101 or 105 or 203- credit given for ONE class only.