

Entering Fall 2010 - 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 the Core Requirement of 39 - 40 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 (24-25 Credits):

- | | | | |
|---|----------------------------------|----------------------------------|----------------------------------|
| <input type="checkbox"/> IST 101 Freshman Forum | <input type="checkbox"/> IST 195 | <input type="checkbox"/> IST 233 | <input type="checkbox"/> IST 335 |
| <input type="checkbox"/> IST 346 | <input type="checkbox"/> IST 352 | <input type="checkbox"/> IST 359 | <input type="checkbox"/> IST 445 |
| | | | <input type="checkbox"/> IST 466 |

Information Management and Technology Electives (15 Credits):

Concentration I 9 credits	Concentration II 9 credits	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; minimum 36 Credits):

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 (21-23 Credits):

Mathematics/Language Skills 6-8 Credits	Communications Skills 12 Credits	IT Course – Programming 3 Credits
<input type="checkbox"/> _____ [] <input type="checkbox"/> _____ [] <p><i>Math:</i> 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.</p> <p><i>Language:</i> If you choose to fulfill the skills requirement with a language, the policy is as follows: Complete 8 language credits numbered 102 and 201. If more than 8 credits are needed to reach this course level, the extra credits may be counted as contributing to the humanities divisional requirements.</p>	<input type="checkbox"/> WRT105 or WRT109 [] <input type="checkbox"/> WRT205 or WRT209 [] <input type="checkbox"/> CRS325 or IST444 [] <input type="checkbox"/> WRT303 or WRT 307 []	<input type="checkbox"/> _____ [] See reverse for list of applicable courses.

General Electives (21-24 Credits):

Your Choice		
<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"/> _____ []

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 (39-40 credits), arts and sciences electives (36 credits), skills electives (21-23 credits), and general electives (21-24 credits). All courses listed below are offered for 3 credits unless specified otherwise.

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

A. Primary Core: 24-25 credits

The primary core consists of the following courses:

- IST 101 Freshman Forum (freshmen only) (1 credit)
- IST 195 Information Technologies

Technology Courses:

- IST 233 Introduction to Computer Networking
- 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 445 Managing Information Systems Projects

IST 466 Professional Issues in Information Management and Technology (Capstone)

B. Information Management and Technology Electives: 15 cr.

Other Courses: During the sophomore, junior, and senior years, students complete 2 concentrations from the following list.

Information Security Management:

Required

- IST 323 Introduction to Information Security

Electives

- IST 400 Database Security
- IST 425 Risk Management
- IST 429 Organizational Information Security
- IST 452 Advanced Computer Networking
- IST 522 Applied Information Security

Project Management:

Required

- IST 325 Information Management Consultation

Electives

- IST 322 Information Resources Planning
- IST 419 Applied Economics for Information Managers
- IST 422 Acquiring, Procuring, and Financing Info. Tech.
- IST 425 Risk Management
- IST 456 Information Policies and Decision Making

Network and Systems Management:

Required

- IST 452 Advanced Networking

Electives

- IST 400 Open Source OS and Applications
- IST 434 Global Computing Challenges
- IST 439 Enterprise Technologies
- IST 453 Telecommunications Regulations
- IST 448 Broadband Wireless Networks
- IST 475 Telecommunications Projects

Web Design and Management:

Required

- IST 263 Design and Management of Internet Services

Electives

- IST 323 Introduction to Information Security
- IST 449 Human Computer Interaction
- IST 479 Electronic Commerce Technologies
- IST 500 Photoshop and Flash
- IST 500 Social Media
- IST 553 Information Architecture of Internet Services

Database Management:

Required

- IST 469 Advanced Database Management Systems

Electives

- IST 263 Design and Management of Internet Services
- IST 400 Database Security
- IST 432 Enterprise Systems
- IST 434 Global Computing Challenges
- IST 479 Electronic Commerce Technologies
- IST 553 Information Architecture of Internet Services

General School of Information Studies Electives:

- IST 215 Data Collection, Analysis, and Management
- IST 300 Information Studies Skills
- IST 337 Information Retrieval Skills
- IST 341 Observations and Analysis of Information User Behavior
- IST 410 Special Topics in Information Research and Services
- IST 420 Special Topics in Information Management and Consulting
- IST 430 Special Topics in Information Systems and Telecom.
- IST 440 Special Topics in Pre-professional Studies
- IST 443 Critique of the Information Age
- IST 444 Information Reporting and Presentation
- IST 471 Internship in Information Management and Technology
- IST 472 Cooperative Education in Information Management and Technology
- IST 476 Integrated Information Systems Projects
- IST 490 Independent Study
- IST 499 Honors Thesis/Project (Honors students)

Arts and Sciences Divisional Requirements

Students must take a total of 12 courses, each 3-4 credits, in Arts and Sciences, distributed as follows:

- 3 courses from the **Humanities List**.
- 3 courses from the **Social Sciences List**.
- 3 courses from the **Natural Sciences & Mathematics List**.
- 3 courses from **any of the three lists**.

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 (review your 'Liberal Arts and Science Core Guidebook').
- MES318-344, 345, 349, 366, 367, 368, 382, 468.
- NAT 105, 323, 372, 441, 444, 445, 447, 456, 459, and 461.
- SAS324, 328, 329, 375; LAS 313, 318, 321, 322, 323, 324, 329, 333, 358, 371, 372.
- CSD 303, 422, 427; QSX 111; HNR 260, 360, 460.
- WGS 310, 326-328, 362, 400, 410, 414, 444, 490 and ALL WGS cross-listed with ANT, ECN, GEO, HST, PSC, PSY and SOC.
- AMS and COG courses may be accepted by petition only.
- SWK 326, and 328 (SWK 314-315 count as Non-Arts and Science credit only).
- CFE/HST221, 303; LPP255; EST 390.

*Contact your advisor on the list below, these classes do not fulfill your Social Science requirement and are exceptions (Count as either Natural Science or Humanities):

- HST111, 112, 210, 211, 212, 310, 311, 312, 320, 321, 346, 354, 355, 357, and 358.
- AAS 231-235, 241, 302-305, 331, 338, 345, 348, 352, 361, 403, 433, 465, 470, 490, 540 and 543.
- ANT131, 185, 202, 273, 326, 376, 431, 432, and 433.
- PSY223, 252, 323, 324, 334.
- GEO155, 315, 316, 326, 483, 555, 583.
- MAX 201.

Humanities Courses

- Courses listed or cross-listed as ETS, FIA, HUM, JSP, LIN, LIT, PHI, and REL.
- AMS and COG courses may be accepted on petition
- NAT 142, 244, 273, 346, 347, 348
- SAS 123, 165, 185, 186, 283, 367, 384, 465
- *Most** foreign language courses numbered 201 and above (**exceptions** can be found in your 'Liberal Arts Core Guidebook').
- All ENG courses **except English as a second language courses (ENG203, 207, 211, and 213)**.
- ANT185, 202, 273, 326, 376
- HST111, 112, 210, 211, 212, 310, 311, 312, 320, 321, 346, 354, 355, 357, 358
- AAS 138, 206, 207, 231-235, 241, 302-305, 331, 338, 345, 348, 352, 361, 403, 408, 409, 433, 465, 470, 490, 540, 543
- CSD 316, WRT 114, CLL 390,490, QSX 112, HNR 240, 340, 440
- WSP101, 297, 303, 310, 327, 400, 403, 410, 490
- WGS 101-297, 301, 303, 310, 327, 384, 400, 403, 410, 465, 390 -OR cross listed w/ ETS, FIA, PHI & REL

Natural Sciences & Mathematics Courses

- Mathematics courses above MAT112.
- Courses listed or cross-listed as AST, BIO, CHE, PHY, EAR, and SCI.
- STS (**except STS318**) and COG courses may be accepted by petition only.
- ANT131, 431, 432, and 433.
- CSD 212, 305, 315, 32, 345, 409.
- PSY223, 323, 324, 334.
- GEO155, 315, 316, 317, 326, 482, 555, 583.
- NEU/BIO211 and NSD 225
- GEO 155-326, 482, 555 and 583.
- HNR 250, 255, 350, 355, 450, and 455.
- Credit given CHE 106-116 or 109-119- Not both.
- EAR 101 or 105 or 203- credit given for ONE class only.

