

## Entering Fall 2016 - 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 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.

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

- IST 101 Freshman Forum
  - IST 195
  - IST 233
  - IST 256
  - IST 335
  
  - IST 346
  - IST 352
  - IST 359
  - IST 445
  - IST 466
- (pre-req=233)

**o Information Management and Technology Electives (15 Credits):**

Concentration I 9 credits	Concentration II 9 credits	Elective IST Courses
<input type="radio"/> _____	<input type="radio"/> _____	<input type="radio"/> _____
<input type="radio"/> _____	<input type="radio"/> _____	<input type="radio"/> _____
<input type="radio"/> _____	<input type="radio"/> _____	<input type="radio"/> _____

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

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

**o Skill electives (18 - 24 Credits):**

Mathematics/Language Skills 6-8 Credits	Communications Skills 12 Credits	International Experience
<input type="radio"/> _____ [   ]	<input type="radio"/> WRT105 or WRT109 [   ]	<input type="radio"/> [   ]
<input type="radio"/> _____ [   ]	<input type="radio"/> WRT205 or WRT209 [   ]	<input type="radio"/> [   ]
<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. You may not take MAT 121 if you have taken any Math course numbered 194 or above.</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 or above. 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="radio"/> IST444 or CRS325 [   ]	<p>*The International Experience requirement may be fulfilled by study abroad, an international internship, or specific course work.</p>
	<input type="radio"/> WRT307 or WRT 303 [   ]	

**Liberal Arts and Science 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 ones may be taken but not counted in your degree.**

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

### 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: 27-28 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 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 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 may 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 452 Advanced Computer Networking
- IST 522 Applied Information Security

##### Project Management:

###### *Required*

- IST 325 Information Management Consultation

###### *Electives*

- IST 419 Applied Economics for Information Managers
- IST 425 Risk Management
- IST 447 Complex Issues in IT Proj. Mgmt.
- IST 456 Information Policies and Decision Making

##### Network and Systems Management:

###### *Required*

- IST 452 Advanced Networking

###### *Electives*

- IST 400 Open Source OS and Applications
- GET 434 Global Computing Challenges
- GET 239 Enterprise Technologies
- IST 448 Enterprise Wireless Networking
- IST 453 Telecommunications Regulations

##### Web Design and Management:

###### *Required*

- IST 263 Design and Management of Internet Services

###### *Electives*

- IST 323 Introduction to Information Security
- IST 400 Advanced Web Design
- IST 449 Human Computer Interaction
- IST 479 Electronic Commerce Technologies
- IST 486 Social Media
- IST 523 Graphic Design for the Web
- 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
- GET 434 Global Computing Challenges
- IST 479 Electronic Commerce Technologies
- IST 553 Information Architecture of Internet Services

Digital Retail Strategies (in partnership with Whitman School of Management):

###### *Required*

- IST 195 Information Technologies
- RMT 301 Retailing Fundamentals
- RMT 457 Electronic Retailing and Marketing
- RMT 407 Retail Buying and Planning

###### *Electives (choose two)*

- IST 263 Web Design and Management
- IST 486 Social Media in the Enterprise
- IST 523 Graphic Design for the Web

Additionally, any other 3-credit IST class may be counted as an IST elective. GET and IDS classes may be counted by petition as IST electives if they are not counted toward the minor.

### 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.

#### **Liberal Arts Electives**

- IST 443, IST 419, others considered by petition