

INFORMATION SCIENCES AND TECHNOLOGY, B.S. (CAPITAL)

Begin Campus: Any Penn State Campus

End Campus: Harrisburg

Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2023-24 academic year. To access previous years' suggested academic plans, please visit the archive (<https://bulletins.psu.edu/undergraduate/archive/>) to view the appropriate Undergraduate Bulletin edition (*Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

Design and Development Option: Information Sciences and Technology, B.S. at Harrisburg Campus

The course series listed below provides **only one** of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an **Academic Requirements** or **What If** report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

First Year

Fall	CreditsSpring	Credits
IST 110 ^{*#}	3 IST 210 ^{*#}	3
IST 140 ^{*#}	3 General Education Course	3
MATH 110 or 140 ^{††}	4 World Language Level 2	4
World Language level 1	4 ECON 102, 104, or 14 [†]	3
	ENGL 15, 15S, 30T, or ESL 15 [‡]	3
	14	16

Second Year

Fall	CreditsSpring	Credits
IST 220 ^{*#}	3 IST 311 [*]	3
IST 230 [*]	3 STAT 200 ^{††}	4
IST 242 [*]	3 CAS 100A or 100S ^{*‡}	3
World Language level 3	4 General Education Course	3
General Education Course	3 General Education Course	3
	16	16

Third Year

Fall	CreditsSpring	CreditsSummer	Credits
IST 261 or 361 [*]	3 IST 301 [*]	3 IST 495 [*]	1
IST 331 [*]	3 IST 411 [*]	3	

Support of Option	3 Support of Option	3
General Education Course	3 Foreign Cultures Requirement	3
General Education Course	3 ENGL 202C or 202D [†]	3
General Education Course (GHW)	1.5	
	16.5	15

Fourth Year

Fall	CreditsSpring	Credits
IST 402 [*]	3 IST 440W [*]	3
IST 412 [*]	3 Support of Option (400-level) [*]	3
World Cultures Requirement	3 General Education Course	3
Elective	3 Elective	3
General Education Course	3 Elective	2
General Education Course (GHW)	1.5	
	16.5	14

Total Credits 125

* Course requires a grade of C or better for the major

‡ Course requires a grade of C or better for General Education

Course is an Entrance to Major requirement

† Course satisfies General Education and degree requirement

¹ IST 4XX: Select 3 credits from:

IST 402 - Emerging Issues and Technologies (3)

IST 441 - Information Retrieval and Organization (3)

IST 446 - An Introduction to Building Computer/Video Games (3)

IST 452 - Legal and Regulatory Environment of Privacy and Security (3)

IST 454 - Computer and Cyber Forensics (3)

University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy Cultural Diversity Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain

attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

Advising Notes:

- 1 Credit of IST 495 - Internship is required
- 30 Credits of GA, GH, GHW, GN, GS to include 6 Integrative Studies credits
- 15 Credits of GQ and GWS require a grade of "C" or better

Program Notes:

- Please note: IST courses are only offered once per year.
- IST 495 Internship: (1) Supervised work experience where the student is employed in a position related to the student's major. An internship is typically completed the summer after the junior year, but it may be completed at any time during the student's academic career. Students are required to complete one internship but may complete three. A grade of C or better must be earned in this course. For more information, contact your academic adviser.
- Students must complete a 3-credit course in "United States Cultures (US)" and a 3-credit course in "International Cultures (IL)."
- Students in the Information Sciences and Technology (ISSCA_BS) major are expected to complete 24 credits of upper level course work in the major and the senior capstone course for the major at Penn State Harrisburg. This is in compliance with Faculty Senate Policy 83-80.5.

Integration and Application Option: Information Sciences and Technology, B.S. at Harrisburg Campus

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First Year

Fall	Credits	Spring	Credits
IST 110 ^{*#}	3	IST 210 ^{*#}	3
IST 140 ^{*#}	3	General Education Course	3
MATH 110 or 140 ^{††}	4	World Language level 2	4
World Language level 1	4	ECON 102, 104, or 14 [#]	3
		ENGL 15, 15S, 30T, or ESL 15 [‡]	3
14		16	

Second Year

Fall	Credits	Spring	Credits
IST 220 ^{*#}	3	IST 242 [*]	3
IST 230 [*]	3	STAT 200 ^{††}	4
World Language level 3	4	CAS 100A or 100S [‡]	3
General Education Course	3	General Education Course	3
General Education Course	3	General Education Course	3
16		16	

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
IST 331 [*]	3	IST 301 [*]	3	IST 495 [*]	1
Support of Option	3	IST 302 [*]	3		
General Education Course (GHW)	1.5	Support of Option	3		
General Education Course	3	Foreign Cultures Requirement	3		
General Education Course	3	ENGL 202C or 202D [‡]	3		
Elective	3				
16.5		15		1	

Fourth Year

Fall	Credits	Spring	Credits
IST 4XX - Emerging Issues & Technologies from College approved list [*]	3	IST 440W [*]	3
IST 420 [*]	3	IST 421 [*]	3
Support of Option	3	Support of Option (400-level)	3
World Cultures Requirement	3	Elective	3
General Education Course	3	Elective	2
General Education Course	1.5		
16.5		14	

Total Credits 125

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Program Notes:

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 - IST 446 - An Introduction to Building Computer/Video Games (3)
 - IST 452 - Legal and Regulatory Environment of Privacy and Security (3)
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