INFORMATION TECHNOLOGY, B.S. (UNIVERSITY COLLEGE)

Begin Campus: Any Penn State Campus

End Campus: Beaver, Brandywine, DuBois, Greater Allegheny, Hazleton, Lehigh Valley, Mont Alto, New Kensington, Schuylkill, Scranton, Wilkes-Barre, York

Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2024-25 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.

Advanced IT Selection – All Options

As noted in each Suggested Academic Plan below, all options of the Information Technology, B.S. major require students to select 300 or 400 level Advanced IT courses from a College-approved list. Students in the Business Application option must select 3 credits of these Advanced IT courses. Students in all other options must select 6 credits of these Advanced IT courses. The list of Advanced IT courses that all students may choose from includes the following:

Code	Title	Credits
IST 402	Emerging Issues and Technologies	3
IST 413	Usability Engineering	3
IST 425	New Venture Creation	3
IST 431	The Information Environment	3
IST 446	An Introduction to Building Computer/Video Games	3
IST 454	Computer and Cyber Forensics	3
IST 456	Information Security Management	3
MIS 390	Foundations of Information Systems	3
MIS 404	Introduction to ERP and Business Processes	3
IST 301	Information and Organizations	3
IST 420	Fundamentals of Systems and Enterprise Integration	3
IST 421	Advanced Enterprise Integration: Technologies and Applications	3
IST 432	Legal and Regulatory Environment of Information Science and Technology	3
IST 452	Legal and Regulatory Environment of Privacy and Security	3

Beaver Campus

Application Development Option: Information Technology, B.S. at Beaver 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110 or CYBER 100*#	3	IST 220*#	3
IST 140*# or CMPSC 121 (GQ) #‡ or CMPSC 131*#	3	General Education Course (GN or GA or GH) or Elective	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
MATH 110 or 140 (GQ)‡	4		
	17		**15**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	Business Selection*	3
SRA 211*	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 261 (Option 2)*	3
IST 311 (Option 1)*	3	IST 411 (Option 3)*	3
IST 331*	3	Networking Selection (IST 454)* or General Education (GA or GN or GH)	3
General Education Course (GN or GA or GH) or Networking Selection (IST 451 or CYBER 262)	3	General Education Course (GN or GA or GH)	3
IST 260W*	3	IST 390	1
	15		**13**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	IST 413 (Option 4)*	3
General Education Course (GHW)	3	Advanced IT Selection 1*	3
General Education Course (GN or GA or GH)	3	Advanced IT Selection 2*	3
Elective	3	General Education Course (GN or GA or GH)	3
		Elective	2
	13		**17**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

Business Applications Option: Information Technology, B.S. at Beaver Campus

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First Year

Fall	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110*# or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ)#‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	3
ACCTG 211 (Option 1)*	4	Elective or General Education Course (GN/GA/GH)	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
SRA 221*	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	Option 2 (MKTG 301)*	3
IST 331*	3	Advanced IT Selection - Business Option (MIS 301)*	3
Business Selection (MGMT 301)*	4	Networking Selection (IST 451)*	3
General Education Course (GN or GA or GH) or Networking Selection (CYBER 262 or IST 451)	3	General Education Course (GN or GA or GH)	3
IST 260W*	3	General Education Course (GN or GA or GH)	3
		IST 390	1
	16		**16**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4 (SCM 460 or MIS 431)*	3
Option 3 (SCM 301)*	3	Advanced IT Selection (IST 456 or SCM 340 or MIS 345 or MIS 390)*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	1
	13		**13**

Total Credits 121

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:

- Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
- Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

CyberSecurity Option: Information Technology, B.S. at Beaver Campus

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First Year

Fall	Credits	Spring	Credits
ENGL 15 (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110 or CYBER 100*#	3	IST 220*#	3
IST 140*# or CMPSC 121 (GQ)#‡ or CMPSC 131*#	3	IST 242*	3
SRA 111*†	3	General Education Course (GN or GA or GH)	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH) or Elective	3
MATH 110 or 140 (GQ)‡	4		
	17		**15**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4
CYBER 262 (Option 1)*	3	ENGL 202C or 202D (GWS)‡	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	General Education Course (GN or GA or GH)	3
SRA 221*	3	General Education Course (GN or GA or GH) or Elective	3
	15		**16**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	Advanced IT Selection 1 (MIS 301)*	3
Option 2 (IST 423)*	3	General Education Course (GN or GA or GH)	3
IST 260W	3	IST 390	1
Networking Selection (IST 451)*	3	General Education Course (GN or GA or GH)	3
		General Education Course (GN or GA or GH)	3
	15		**16**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W	3
ETI 461*	3	Advanced IT Selection 2 (IST 413)*	3
General Education Course (GHW)	3	Option 3 (IST 456)*	3
General Education Course (GN or GA or GH)	3	Option 4 (IST 454)*	3
Elective	3	General Education Course (GN or GA or GH)	3
		Elective	3
	13		**18**

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

University Requirements and General Education Notes:

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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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

Brandywine Campus

Application Development Option: Information Technology, B.S. at Brandywine Campus

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First Year

Fall	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ)#‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	SRA 221*	3
IST 261 (Option 1)*	3	Business Selection*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	ENGL 202C or 202D (GWS)‡	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 311 (Option 2)*	3	IST 331*	3
Networking Selection*	3	IST 411 (Option 3)*	3
Elective or General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Advanced IT Selection 2*	3
IST 412 (Option 4)*	3	General Education Course (GHW)	3
Advanced IT Selection 1*	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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

University Requirements and General Education Notes:

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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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
    - ACCTG 211
    - BA 100
    - ECON 102
    - ECON 104
    - MGMT 301
    - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
    - CYBER 262
    - IST 226
    - IST 451
    - IST 454
- Option Courses:
    - Application Development:
        - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
    - Business Applications:
        - ACCTG 211
        - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
        - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
    - Cybersecurity:
        - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
    - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

Business Applications Option: Information Technology, B.S. at Brandywine Campus

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First Year

Fall	Credits	Spring	Credits
ENGL 15 or 30H (GWS)[‡]	3	CAS 100 (GWS)[‡]	3
IST 110 or CYBER 100[*#]	3	MATH 110 or 140 (GQ)[‡]	4
IST 140[*#] or CMPSC 121 (GQ)[#‡] or CMPSC 131[*#]	3	IST 220[*#]	3
SRA 111 (GS)[*†]	3	IST 242[*]	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210[*#]	3	IST 256[*]	3
IST 230[*]	3	SRA 221[*]	3
STAT 200[‡] (GQ) or SCM 200[‡] (GQ) or DS 200[*]	4	ACCTG 211 (Option 1)[*]	4
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)[†]	3	ENGL 202C or 202D (GWS)[‡]	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
IST 302[*]	3	IST 260W[*]	3
Option 2[*]	3	IST 331[*]	3
Business Selection[*]	4	Advanced IT Selection - Business Option[*]	3
Networking Selection[*]	3	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495[*]	1	IST 440W[*]	3
ETI 461[*]	3	Option 4[*]	3
Option 3[*]	3	Advanced IT Selection[*]	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	1
	13		**13**

Total Credits 121

* 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

University Requirements and General Education Notes:

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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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

Custom Information Technology Option: Information Technology, B.S. at Brandywine Campus

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First Year

Fall	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ)#‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	SRA 221*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	Business Selection*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
Networking Selection*	3	IST 331*	3
Option 1*	3	Option 2*	3
General Education Course (GN or GA or GH)	3	Advanced IT Selection 1*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4*	3
Option 3*	3	Advanced IT Selection 2*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

CyberSecurity Option: Information Technology, B.S. at Brandywine 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ)#‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	SRA 221*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	Business Selection*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
CYBER 262 (Option 1)*	3	IST 331*	3
IST 451 (Networking Selection)*	3	CYBER 366 (Option 2)*	3
General Education Course (GN or GA or GH)	3	Advanced IT Selection 1*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	IST 454 (Option 4)*	3
IST 456 (Option 3)*	3	Advanced IT Selection 2*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

Security and Risk Analysis Option: Information Technology, B.S. at Brandywine 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ) #‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	SRA 221*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	SRA 211 (Option 1)	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
SRA 231 (Option 2)*	3	IST 331*	3
Networking Selection*	3	Business Selection*	3
General Education Course (GN or GA or GH)	3	Advanced IT Selection 1*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	IST 432 (Option 4)*	3
IST 456 (Option 3)*	3	Advanced IT Selection 2*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

DuBois Campus

Business Applications Option: Information Technology, B.S. at DuBois 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	Credits	Spring	Credits
IST 110*#	3	IST 210*#	3
PSU 8	1	IST 220*#	3
IST 140*#	3	MATH 22 (GQ (Elective 2))	3
SRA 111 (GS)*†	3	IST 242*	3
ENGL 15 or 30H (GWS)‡	3	General Education Course (GH)	3
MATH 21 (GQ (Elective 1))	3		
	16		**15**

Second Year

Fall	Credits	Spring	Credits
MATH 110 or 140 (GQ)‡†	4	Business Choice 1	3
IST 226 (Networking Selection)*	3	SRA 221	3
IST 260W*	3	General Education Course (GA)	3
IST 256*	3	General Education Course (GN)	3
CAS 100A (GWS)‡	3	ENGL 202C or 202D (GWS)‡†	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
ETI 461	3	Business Choice 3	3	IST 495 (Taken Any Time)	1
IST 302	3	Elective	3		
Business Choice 2	3	General Education Course (GH)	3		
IST 230*	3	IST 331*	3		
General Education Course (GN)	3	STAT 200, SCM 200, or DS 200 (GQ)*‡†	4		
	15		**16**		**1**

Fourth Year

Fall	Credits	Spring	Credits
ECON 14, 102, or 104 (GS)	3	General Education Course (GN)	3
IST 440W	3	Business Choice	3
Advanced IT Selection 1 (IST 454)	3	Business Choice 4	3
General Education Course (GA)	3	Advanced IT Selection 2 (IST 456)	3
General Education Course (GHW)	3		
	15		**12**

Total Credits 121

* 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

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.

Program Notes:

- As long as two Arts (GA) and two Humanities (GH) are taken across the eight semesters, the particular order in which these courses are taken is not relevant. The course series listed above is only one of many possible ways to move through the IST curriculum.

Advising Notes:

- A student's career/graduate school plans should be considered in developing an individual academic plan. Be sure to consult an adviser in this department when scheduling courses.
- Business Choice:
  - ACCTG 211
  - ECON 102 or ECON 104
  - SCM 301
  - BA 243
  - FIN 301
  - MKTG 301

- MGMT 301
- IB 303
- Advanced IT Selection 1:
  - IST 402
  - IST 413
  - IST 425
  - IST 431
  - IST 446
  - IST 454
  - IST 456
  - MIS 390
  - MIS 404

Networking Option: Information Technology, B.S. at DuBois 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	Credits	Spring	Credits
IST 110*#	3	IST 210*#	3
PSU 8	1	IST 220*#	3
IST 140*#	3	MATH 22 (GQ) Elective 2	3
SRA 111 (GS)*†	3	IST 242*	3
ENGL 15 or 30H (GWS)‡	3	General Education Course (GH)	3
MATH 21 (GQ) Elective 1	3		
	16		**15**

Second Year

Fall	Credits	Spring	Credits
IST 225 (Application Focus 1)	3	IST 227 (Application Focus 2)	3
IST 226 (Networking Selection)*	3	IST 228 (Application Focus 3)	3
IST 260W*	3	General Education Course (GA)	3
IST 256*	3	General Education Course (GN)	3
CAS 100A (GWS)‡	3	ENGL 202C or 202D (GWS)‡†	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
ETI 461	3	SRA 221	3	IST 495 (Taken any Time)	1
IST 302	3	Elective 3	3		
MATH 110 or 140 (GQ)‡†	4	General Education Course (GH)	3		
IST 230*	3	STAT 200, SCM 200, or DS 200 (GQ)*‡†	4		
General Education Course (GN)	3	IST 331*	3		
	16		**16**		**1**

Fourth Year

Fall	Credits	Spring	Credits
General Education Course (GHW)	3	IST 451 (Application Focus 4)	3
IST 440W	3	General Education Course (GN)	3
ECON 14, 102, or 104 (GS)	3	Business Choice	3
Advanced IT #1 (IST 454)	3	Advanced IT Selection 2 (IST 456)	3
General Education Course (GA)	3		
	15		**12**

Total Credits 121

* 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

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.

Program Notes:

- As long as two Arts (GA) and two Humanities (GH) are taken across the eight semesters, the particular order in which these courses are taken is not relevant. The course series listed above is only one of many possible ways to move through the IST curriculum.

Advising Notes:

- A student's career/graduate school plans should be considered in developing an individual academic plan. Be sure to consult an adviser in this department when scheduling courses.
- Business Choice:
  - ACCTG 211
  - ECON 102 or ECON 104
  - SCM 301
  - BA 243
  - FIN 301
  - MKTG 301

- MGMT 301
- IB 303
- Advanced IT Selection 1:
  - IST 402
  - IST 413
  - IST 425
  - IST 431
  - IST 446
  - IST 454
  - IST 456
  - MIS 390
  - MIS 404

Greater Allegheny Campus

Business Applications Option: Information Technology, B.S. at Greater Allegheny 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ) #‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	SRA 221*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	ACCTG 211 (Option 1)*	4
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	Option 2*	3
Business Selection*	4	Advanced IT Selection - Business Option*	3
General Education Course (GN or GA or GH)	3	Networking Selection*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4*	3
Option 3*	3	Advanced IT Selection*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	1
	13		**13**

Total Credits 121

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

Custom Information Technology Option: Information Technology, B.S. at Greater Allegheny 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A (GWS)‡	3
CYBER 100*#	3	IST 230	3
IST 140*# or CMPSC 121 (GQ) #‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
MATH 110 or 140 (GQ)‡	4	General Education Course (GN or GA or GH)	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
General Education Course (GN or GA or GH) or Elective	3	SRA 221	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	Business Selection*	4
ECON 102/ ECON 104 or PSYCH 100/ SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
General Education Course (GN or GA or GH)	3	IST 260W*	3	IST 495*	1
IST 302*	3	Option 2*	3		
Networking Selection: IST 226 or IST 454	3	Advanced IT Selection*	3		
Option 1*	3	General Education Course (GN or GA or GH)*	3		
General Education Course (GN or GA or GH)	3	General Education Course (GHW)*	3		
	15		**15**		**1**

Fourth Year

Fall	Credits	Spring	Credits
IST 331	3	ETI 461*	3
Advanced IT Selection 2*	3	IST 440W*	3
Option 3*	3	Option 4*	3
Elective	3	General Education Course (GN or GA or GH)	3
		Elective	2
	12		**14**

Total Credits 120

* 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

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:

- Supporting Courses and Related Areas: Require a Grade of C or Better
  - Select 12 credits, with at least 3 credits at the 400 level, in consultation with an adviser that follow a coherent theme in information technology.
  - Select 6 credits at the 300 or 400 level in Advanced IT courses from College-approved list.

Hazleton Campus

Business Applications Option: Information Technology, B.S. at Hazleton 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ) #‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	CYBER 221*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	ACCTG 211 (Option 1)*	4
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
ETI 302*	3	IST 260W*	3
IST 331*	3	Option 2*	3
Business Selection*	4	Advanced IT Selection - Business Option*	3
General Education Course (GN or GA or GH)	3	Networking Selection*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4*	3
Option 3*	3	Advanced IT Selection*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	1
	13		**13**

Total Credits 121

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
    - ACCTG 211
    - BA 100
    - ECON 102
    - ECON 104
    - MGMT 301
    - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
    - CYBER 262
    - CYBER 451
    - CYBER 454
    - IST 226
- Option Courses:
    - Application Development:
        - Select 12 credits, with at least 3 credits at the 400 level from: HCDD 311, HCDD 361, HCDD 411, HCDD 412, IST 261, IST 413
    - Business Applications:
        - ACCTG 211
        - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
        - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
    - Cybersecurity:
        - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, CYBER 451, CYBER 454, CYBER 456, SRA 472, or any 300 or 400 level CYBER course
    - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  CYBER 456

Custom Information Technology Option: Information Technology, B.S. at Hazleton 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ)#‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	CYBER 221*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	Business Selection*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
ETI 302*	3	IST 260W*	3
IST 331*	3	Option 2*	3
Option 1*	3	Networking Selection*	3
General Education Course (GN or GA or GH)	3	Advanced IT Selection 1*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4*	3
Option 3*	3	Advanced IT Selection 2*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - CYBER 451
  - CYBER 454
  - IST 226
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: HCDD 311, HCDD 361, HCDD 411, HCDD 412, IST 261, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, CYBER 451, CYBER 454, CYBER 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, CYBER 456

Lehigh Valley Campus

Application Development Option: Information Technology, B.S. at Lehigh Valley 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
General Education Course/ First-Year Seminar Course	3	General Education Course (GN or GA or GH)	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	SRA 221*	3
STAT 200 (GQ)‡	4	Business Selection*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 311 (Option 1)*	3	IST 261 (Option 2)*	3
IST 331*	3	IST 411 (Option 3)*	3
IST 495*1	1	Networking Selection*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH)	3		
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	IST 413 (Option 4)*	3
Advanced IT Selection 1*	3	Advanced IT Selection 2*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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 One internship (IST 495) course is needed for graduation, but others are encouraged and can be taken at different semesters.

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

Business Applications Option: Information Technology, B.S. at Lehigh Valley 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
General Education Course/ First-Year Seminar Course	3	General Education Course (GN or GA or GH)	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	SRA 221*	3
STAT 200‡	4	ACCTG 211 (Option 1)*	4
ECON 102 or 104 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/ GH)	3	General Education Course (GN or GA or GH)	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	Option 2*	3
IST 495*[1]	1	Advanced IT Selection - Business Option*	3
Business Selection*	4	Networking Selection*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH)	3		
	17		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4*	3
Option 3*	3	Advanced IT Selection*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	1
	13		**13**

Total Credits 121

* 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] One internship (IST 495) course is needed for graduation, but others are encouraged and can be taken at different semesters.

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

Custom Information Technology Option: Information Technology, B.S. at Lehigh Valley 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
General Education Course/First-Year Seminar	3	General Education Course (GN or GA or GH)	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	SRA 221*	3
STAT 200 (GQ)‡	4	Business Selection*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	Option 2*	3
IST 495*1	1	Networking Selection*	3
Option 1*	3	Advanced IT Selection 1*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH)	3		
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4*	3
Option 3*	3	Advanced IT Selection 2*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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 One internship (IST 495) course is needed for graduation, but others are encouraged and can be taken at different semesters.

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

CyberSecurity Option: Information Technology, B.S. at Lehigh Valley 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A (GWS)‡	3
CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
General Education Course/First-Year Seminar (GN or GA or GH) or Elective	3	General Education Course (GN or GA or GH)	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	SRA 221*	3
STAT 200 (GQ)‡	4	CYBER 262 (Option 1)*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	Option 2*	3
IST 495*1	1	Networking Selection*	3
Business Selection*	3	Advanced IT Selection 1*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH)	3		
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4*	3
Option 3*	3	Advanced IT Selection 2*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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 One internships (IST 495) course is needed for graduation, but others are encouraged and can be taken at different semesters.

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

Security and Risk Analysis Option: Information Technology, B.S. at Lehigh Valley 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
General Education Course/ First-Year Seminar	3	General Education Course (GN or GA or GH)	3
	15		**16**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
IST 230*	3	SRA 221*	3
STAT 200 (GQ)‡	4	Business Selection*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	SRA 231 (Option 2)*	3
IST 495*1	1	Networking Selection*	3
SRA 211 (Option 1)*	3	Advanced IT Selection 1*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH)	3		
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4*	3
Option 3*	3	Advanced IT Selection 2*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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 One internships (IST 495) course is needed for graduation, but others are encouraged and can be taken at different semesters.

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

Mont Alto Campus

Business Applications Option: Information Technology, B.S. at Mont Alto 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A (GWS)*‡†	3
CYBER 100*#	3	IST 220*#	3
IST 140*#	3	IST 242*	3
General Education Course or Elective	3	SRA 111 (GS)*†	3
IST 111S (First-Year Seminar)	1	IST 210*#	3
MATH 110 or 140 (GQ)‡	4		
	17		**15**

Second Year

Fall	Credits	Spring	Credits
IST 230*	3	SRA 221*	3
STAT 200 (GQ)‡	4	ACCTG 211 (Option 1)*	4
ECON 102/ ECON 104 or PSYCH 100/ SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
Networking Selection (IST 226)*	3	Elective[1]	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
IST 256*	3	IST 331*	3	IST 495*	1
IST 260W*	3	Option 2*	3		
IST 302*	3	Advanced IT Selection - Business Option*	3		
Business Selection*	4	General Education Course (GN or GA or GH)*	3		
General Education Course	3	General Education Course (GN or GA or GH)	3		
	16		**15**		**1**

Fourth Year

Fall	Credits	Spring	Credits
ETI 461*	3	IST 440W*	3
Option 3*	3	Option 4*	3
Advanced IT Selection*	3	General Education Course (GN or GA or GH)*	3
General Education Course	3	General Education Course (GN or GA or GH)	3
		Elective	1
	12		**13**

Total Credits 121

* 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 250 is a recommended elective course

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226

- IST 451
- IST 454
- Option Courses:
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT

Custom Information Technology Option: Information Technology, B.S. at Mont Alto 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A (GWS)*‡†	3
CYBER 100*#	3	IST 220*#	3
IST 140*#	3	IST 242*	3
General Education Course or Elective	3	SRA 111 (GS)*†	3
IST 111S (First-Year Seminar)	1	IST 210*#	3
MATH 110 or 140 (GQ)‡	4		
	17		15

Second Year

Fall	Credits	Spring	Credits
IST 230*	3	SRA 221*	3
STAT 200 (GQ)‡	4	Business Selection*	3
ECON 102/ ECON 104 or PSYCH 100/ SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
Networking Selection (IST 226)*	3	Elective[1]	3
	16		15

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
IST 256*	3	Option 2*	3	IST 495*	1
IST 302*	3	Advanced IT Selection 1*	3		
Option 1*	3	General Education Course (GN or GA or GH)	3		
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3		
IST 260W*	3	IST 331*	3		
	15		15		1

Fourth Year

Fall	Credits	Spring	Credits
ETI 461*	3	IST 440W*	3
Option 3*	3	Option 4*	3
Advanced IT Selection 2*	3	General Education Course (GN or GA or GH)*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
		Elective	2
	12		14

Total Credits 120

* 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 250 is a recommended elective course

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454

- Option Courses:
    - Custom Information Technology:
        - Select 12 credits, with at least three (3) credits at the 400 level, in consultation with an adviser that follow a coherent theme in information technology

CyberSecurity Option: Information Technology, B.S. at Mont Alto 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A (GWS)*‡†	3
CYBER 100*#	3	IST 220*#	3
IST 140*#	3	IST 242*	3
General Education Course or Elective1	3	SRA 111*†	3
IST 111S (First-Year Seminar)	1	IST 210*#	3
MATH 110 or 140 (GQ)‡	4		
	17		**15**

Second Year

Fall	Credits	Spring	Credits
IST 230*	3	SRA 221*	3
STAT 200 (GQ)‡	4	Option 1 (CYBER 262)	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
Networking Selection (IST 226)*	3	Elective1	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
IST 256*	3	Option 2*	3	IST 495*	1
IST 302*	3	Advanced IT Selection 1*	3		
Business Selection*	3	General Education Course (GN or GA or GH)	3		
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3		
IST 260W*	3	IST 331*	3		
	15		**15**		**1**

Fourth Year

Fall	Credits	Spring	Credits
ETI 461*	3	IST 440W*	3
Option 3*	3	Option 4*	3
Advanced IT Selection 2*	3	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
		Elective	2
	12		**14**

Total Credits 120

* 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 250 or IST 261 is a recommended elective course (discuss with adviser)

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226

- IST 451
- IST 454
- Option Courses:
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course

Networking Option: Information Technology, B.S. at Mont Alto 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)[‡]	3	CAS 100A (GWS)[*‡†]	3
CYBER 100[*#]	3	IST 220[*#]	3
IST 140[*#]	3	IST 242[*]	3
General Education Course or Elective	3	SRA 111 (GS)[*†]	3
IST 111S (First-Year Seminar)	1	IST 210[*#]	3
MATH 110 or 140 (GQ)[‡]	4		
	17		**15**

Second Year

Fall	Credits	Spring	Credits
IST 230[*]	3	SRA 221[*]	3
STAT 200 (GQ)[‡]	4	Business Selection[*]	3
ECON 102/ ECON 104 or PSYCH 100/ SOC 5 or PLSC 1/PLSC 14 (GS)[†]	3	ENGL 202C or 202D (GWS)[‡]	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
Networking Selection (IST 226)[*]	3	Elective[1]	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
IST 225 (Option 1)[*]	3	IST 227 (Option 2)[*]	3	IST 495[*]	1
IST 256[*]	3	IST 228 (Option 3)[*]	3		
IST 260W[*]	3	Advanced IT Selection 1[*]	3		
IST 302[*]	3	General Education Course (GN or GA or GH)	3		
		General Education Course (GN or GA or GH)	3 IST 331[*]	3	
	15		**15**		**1**

Fourth Year

Fall	Credits	Spring	Credits
ETI 461[*]	3	IST 440W[*]	3
Advanced IT Selection 2[*]	3	Option 4[*]	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
		Elective	2
	12		**14**

Total Credits 120

* 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 250 is a recommended elective course

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):

- CYBER 262
- IST 226
- IST 451
- IST 454
- Option Courses:
  - Networking:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 225, IST 226, IST 227, IST 228, IST 451, IST 454

New Kensington Campus

Business Applications Option: Information Technology, B.S. at New Kensington 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
CYBER 100*#	3	IST 220*#	3
IST 140*# or CMPSC 121 (GQ) #‡ or CMPSC 131*#	3	IST 230*	3
MATH 110 or 140 (GQ)‡	4	IST 242*	3
SRA 111 (GS)*†	3	General Education Course (GN or GA or GH)	3
		General Education Course (GN or GA or GH) or Elective	3
	16		**18**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	SRA 221*	3
ECON 102/ ECON 104 or PSYCH 100/ SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ACCTG 211 (Option 1)*	4
Elective or General Education Course (GN/GA/GH)	3	ENGL 202C or 202D (GWS)‡	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
IST 302*	3	IST 260W*	3	IST 495*	1
Networking Selection (IST 226 or IST 454)*	3	Option 2*	3		
Business Selection (ECON 102 or ECON 104 or MGMT 301 or MKTG 301)*	3	Advanced IT Selection 1*	3		
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3		
		General Education Course (GHW)	3		
	12		**15**		**1**

Fourth Year

Fall	Credits	Spring	Credits
IST 331	3	ETI 461*	3
Advanced IT Selection 2*	3	IST 440W*	3
Option 3*	3	Option 4*	3
Elective	3	Elective	3
		Elective	2
	12		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104

- MGMT 301
- MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

Custom Information Technology Option: Information Technology, B.S. at New Kensington 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
CYBER 100*#	3	IST 230	3
IST 140*# or CMPSC 121 (GQ) #‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
MATH 110 or 140 (GQ)‡	4	General Education Course (GN or GA or GH)	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
General Education Course (GN or GA or GH) or Elective	3	SRA 221	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	Business Selection*	4
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
General Education Course (GN or GA or GH)	3	IST 260W*	3	IST 495*	1
IST 302*	3	Option 2*	3		
Networking Selection: IST 226 or IST 454	3	Advanced IT Selection*	3		
Option 1*	3	General Education Course (GN or GA or GH)*	3		
General Education Course (GN or GA or GH)	3	General Education Course (GHW)*	3		
	15		**15**		**1**

Fourth Year

Fall	Credits	Spring	Credits
IST 331	3	ETI 461*	3
Advanced IT Selection 2*	3	IST 440W*	3
Option 3*	3	Option 4*	3
Elective	3	General Education Course (GN or GA or GH)	3
		Elective	2
	12		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226

- IST 451
- IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from:
      IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301,
      SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from:
      ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER,
      MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from:
      CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or
      400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from:
      SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
      IST 456

Cybersecurity Option: Information Technology, B.S. at New Kensington 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	IST 220*#	3
CYBER 100*#	3	IST 230*	3
IST 140*# or CMPSC 121 (GQ) #‡ or CMPSC 131*#	3	IST 242*	3
MATH 110 or 140 (GQ)‡	4	General Education Course (GN or GA or GH)	3
SRA 111 (GS)*†	3	General Education Course (GN or GA or GH) or Elective	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
IST 210*#	3	IST 256*	3
CAS 100 (GWS)‡	3	ENGL 202C or 202D (GWS)‡	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	SRA 221	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	3	General Education Course (GN or GA or GH)	4
Elective or General Education Course (GN/GA/GH)	3		
	16		**12**

Third Year

Fall	Credits	Spring	Credits	Summer	Credits
IST 331*	3	IST 260W*	3	IST 495*	1
Networking Selection (IST 226 or IST 454)*	3	IST 302	3		
Business Selection*	3	Advanced IT Selection 1*	3		
Option 1*	3	Option 2*	3		
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3		
		General Education Course (GN or GA or GH)*	3		
	15		**18**		**1**

Fourth Year

Fall	Credits	Spring	Credits
General Education Course (GHW)	3	ETI 461*	3
Option 3*	3	IST 440W*	3
Advanced IT Selection 2*	3	IST 452 (Option 4)*	3
Elective	3	General Education Course (GN or GA or GH)	3
		Elective	3
	12		**15**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301

- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

Schuylkill Campus

Application Development Option: Information Technology, B.S. at Schuylkill 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ)#‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 230*	3	IST 210*#	3
IST 261 (Option 2)*	3	IST 256*	3
SRA 221*	3	Business Selection*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	ENGL 202C or 202D (GWS)‡	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 311 (Option 1)*	3	IST 411 (Option 3)*	3
IST 331*	3	Networking Selection*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH)	3	Elective or General Education Course (GN/GA/GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	IST 413 (Option 4)*	3
Advanced IT Selection 1*	3	Advanced IT Selection 2*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

Business Applications Option: Information Technology, B.S. at Schuylkill 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ) #‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 230*	3	IST 210*#	3
SRA 221*	3	IST 256*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	ACCTG 211 (Option 1)*	4
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	Option 2*	3
Business Selection*	4	Advanced IT Selection - Business Option*	3
General Education Course (GN or GA or GH)	3	Networking Selection*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4*	3
Option 3*	3	Advanced IT Selection*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	1
	13		**13**

Total Credits 121

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

Custom Information Technology Option: Information Technology, B.S. at Schuylkill 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ)#‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 230*	3	IST 210*#	3
SRA 221*	3	IST 256*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	Business Selection*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	Option 2*	3
Option 1*	3	Networking Selection*	3
General Education Course (GN or GA or GH)	3	Advanced IT Selection 1*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4*	3
Option 3*	3	Advanced IT Selection 2*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

CyberSecurity Option: Information Technology, B.S. at Schuylkill 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)[‡]	3	CAS 100 (GWS)[‡]	3
IST 110 or CYBER 100[*#]	3	MATH 110 or 140 (GQ)[‡]	4
IST 140[*#] or CMPSC 121 (GQ)[#‡] or CMPSC 131[*#]	3	IST 220[*#]	3
SRA 111 (GS)[*†]	3	IST 242[*]	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 230[*]	3	IST 210[*#]	3
CYBER 262 (Option 1)[*]	3	IST 256[*]	3
SRA 221[*]	3	ENGL 202C or 202D (GWS)[‡]	3
STAT 200[‡] (GQ) or SCM 200[‡] (GQ) or DS 200[*]	4	General Education Course (GN or GA or GH)	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)[†]	3	Elective or General Education Course (GN/GA/GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302[*]	3	IST 260W[*]	3
IST 331[*]	3	Option 2[*]	3
Business Selection[*]	3	Networking Selection[*]	3
General Education Course (GN or GA or GH)	3	Advanced IT Selection 1[*]	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495[*]	1	IST 440W[*]	3
ETI 461[*]	3	Option 4[*]	3
Option 3[*]	3	Advanced IT Selection 2[*]	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

Security and Risk Analysis Option: Information Technology, B.S. at Schuylkill 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*# or CMPSC 121 (GQ)#‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
IST 230*	3	IST 210*#	3
SRA 221*	3	IST 256*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	SRA 211 (Option 1)*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	SRA 231 (Option 2)*	3
Business Selection*	3	Networking Selection*	3
General Education Course (GN or GA or GH)	3	Advanced IT Selection 1*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Option 4*	3
Option 3*	3	Advanced IT Selection 2*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456

Scranton Campus

Application Development Option: Information Technology, B.S. at Scranton 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	MATH 110 or 140 (GQ)‡	4
IST 110 or CYBER 100*#	3	IST 210*#	3
IST 140*# or CMPSC 121 (GQ) #‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
CAS 100A, 100B, or 100C (GWS)‡	3	IST 256*	3
IST 230*	3	IST 261 (Option 1)*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	SRA 221*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 331*	3	IST 260W*	3
IST 311 (Option 2)*	3	IST 411 (Option 3)*	3
Networking Selection*	3	Business Selection*	3
Advanced IT Selection 1*	3	General Education Course (GHW)	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 440W*	3
IST 412 (Option 4)*	3	ETI 461*	3
IST 495*	1	General Education Course (GN or GA or GH)	3
Advanced IT Selection 2*	3	Elective	3
General Education Course (GN or GA or GH)	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
- Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

Business Applications Option: Information Technology, B.S. at Scranton 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	MATH 110 or 140 (GQ)‡	4
IST 110 or CYBER 100*#	3	IST 210*#	3
IST 140*# or CMPSC 121 (GQ)#‡ or CMPSC 131*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
CAS 100A, 100B, or 100C (GWS)‡	3	IST 256*	3
IST 230*	3	SRA 221*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	ACCTG 211 (Option 1)*	4
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**16**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	Option 2*	3
Business Selection*	4	Advanced IT Selection - Business Option*	3
Networking Selection*	3	General Education Course (GN or GA or GH)*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
Option 3*	3	Option 4*	3
Advanced IT Selection*	3	ETI 461*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	1
	13		**13**

Total Credits 121

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
    - ACCTG 211
    - BA 100
    - ECON 102
    - ECON 104
    - MGMT 301
    - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
    - CYBER 262
    - IST 226
    - IST 451
    - IST 454
- Option Courses:
    - Application Development:
        - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
    - Business Applications:
        - ACCTG 211
        - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
        - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
    - Cybersecurity:
        - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
    - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

Custom Information Technology Option: Information Technology, B.S. at Scranton 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)[‡]	3	MATH 110 or 140 (GQ)[‡]	4
IST 110 or CYBER 100[*#]	3	IST 210[*#]	3
IST 140[*#] or CMPSC 121 (GQ)[#‡] or CMPSC 131[*#]	3	IST 220[*#]	3
SRA 111 (GS)[*†]	3	IST 242[*]	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
CAS 100A, 100B, or 100C (GWS)[‡]	3	IST 256[*]	3
IST 230[*]	3	SRA 221[*]	3
STAT 200[‡] (GQ) or SCM 200[‡] (GQ) or DS 200[*]	4	Business Selection[*]	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)[†]	3	ENGL 202C or 202D (GWS)[‡]	3
Elective or General Education Course (GN/GA/GH)		General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302[*]	3	IST 260W[*]	3
IST 331[*]	3	Option 2[*]	3
Option 1[*]	3	General Education Course (GN or GA or GH)	3
Networking Selection[*]	3	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH)	3	Elective	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495[*]	1	IST 440W[*]	3
Option 3[*]	3	ETI 461[*]	3
Advanced IT Selection 1[*]	3	Option 4[*]	3
Advanced IT Selection 2[*]	3	General Education Course (GN or GA or GH)	3
General Education Course (GHW)	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
    - ACCTG 211
    - BA 100
    - ECON 102
    - ECON 104
    - MGMT 301
    - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
    - CYBER 262
    - IST 226
    - IST 451
    - IST 454
- Option Courses:
    - Application Development:
        - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
    - Business Applications:
        - ACCTG 211
        - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
        - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
    - Cybersecurity:
        - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
    - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

CyberSecurity Option: Information Technology, B.S. at Scranton 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	MATH 110 or 140 (GQ)‡	4
CYBER 100$^{*\#}$	3	IST 210$^{*\#}$	3
IST 140*# or CMPSC 121 (GQ)$^{\#‡}$ or CMPSC 131$^{*\#}$	3	IST 220$^{*\#}$	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
CAS 100A, 100B, or 100C (GWS)‡	3	IST 256*	3
IST 230*	3	SRA 221*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	CYBER 262 (Option 1)*	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	Option 3*	3
Option 2*	3	Business Selection*	3
Networking Selection*	3	General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH)	3	General Education Course (GHW)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
Option 4*	3	ETI 461*	3
Advanced IT Selection 1*	3	General Education Course (GN or GA or GH)	3
Advanced IT Selection 2*	3	General Education Course (GN or GA or GH)	3
Elective	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
IST 456

Wilkes-Barre Campus

Custom Information Technology Option: Information Technology, B.S. at Wilkes-Barre 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100 (GWS)‡	3
IST 110 or CYBER 100*#	3	MATH 110 or 140 (GQ)‡	4
IST 140*#	3	IST 242*	3
First-Year Seminar (PSU 8)	1	SRA 111 (GS)*†	3
General Education Course (GN or GA or GH) or Elective	3	General Education Course (GN or GA or GH)	3
Elective or General Education Course (GN/GA/GH)	3		
	16		**16**

Second Year

Fall	Credits	Spring	Credits
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	IST 210*#	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS)†	3	IST 230*	3
Business Selection*	3	IST 256*	3
General Education Course (GN or GA or GH)	3	SRA 221*	3
IST 220*#	3	ENGL 202C or 202D (GWS)‡	3
	16		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	IST 260W*	3
IST 331*	3	IST 331 (Option 1)*	3
Networking Selection*	3	Option 2*	3
General Education Course (GN or GA or GH)	3	Advanced IT Selection 1*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 440W*	3	ETI 461*	3
IST 495*	1	Option 4*	3
Advanced IT Selection 2*	3	General Education Course (GN or GA or GH)	3
Option 3*	3	Elective	2
General Education Course (GHW)	3		

Spring	Credits
Elective	3
	16 **11**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

York Campus

Application Development Option: Information Technology, B.S. at York 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)[‡]	3	CAS 100A, 100B, or 100C (GWS)[‡]	3
IST 110 or CYBER 100[*#]	3	IST 210[*#]	3
IST 140[*#]	3	IST 220[*#]	3
SRA 111 (GS)[*†]	3	IST 242[*]	3
First-Year Seminar (IST 111S)	1	ECON 102 (GS)[†]	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**15**

Second Year

Fall	Credits	Spring	Credits
MATH 110 or 140 (GQ)[‡]	4	IST 256[*]	3
General Education Course (GN or GA or GH)	3	IST 230[*]	3
STAT 200[‡] (GQ) or SCM 200[‡] (GQ) or DS 200[*]	4	MGMT 301[*]	3
IST 260W[*]	3	ENGL 202C or 202D (GWS)[‡]	3
SRA 221[*]	3	General Education Course (GN or GA or GH)	3
	17		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302[*]	3	Elective or General Education Course (GN/GA/GH)	3
IST 311 (Option 1)[*]	3	IST 331[*]	3
Networking Selection[*]	3	MKTG 301[*]	3
General Education Course (GN or GA or GH)	3	Business Course[*]	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495[*]	1	IST 440W[*]	3
ETI 461[*]	3	Elective	3
Advanced IT Selection: IST 402[*]	3	Advanced IT Selection: MIS 404[*]	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
IST 413 (Option 4)[*]	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

Business Applications Option: Information Technology, B.S. at York 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A, 100B, or 100C (GWS)‡	3
IST 110 or CYBER 100*#	3	IST 210*#	3
IST 140*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	ECON 102 (GS)†	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**15**

Second Year

Fall	Credits	Spring	Credits
MATH 110 or 140 (GQ)‡	4	IST 256*	3
SRA 221*	3	IST 230*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	MGMT 301*	3
General Education Course (GN or GA or GH)	3	ENGL 202C or 202D (GWS)‡	3
IST 260W*	3	General Education Course (GN or GA or GH)	3
	17		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	Elective or General Education Course (GN/GA/GH)*	3
Networking Selection*	3	MKTG 301*	3
ACCTG 211 (Option 1)*	4	Business Course*	3
General Education Course (GN or GA or GH)	3	IST 331*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	16		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Elective	3
Advanced IT Selection: IST 402*	3	Advanced IT Selection: MIS 404*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Option 4*	3	Elective	1
	13		**13**

Total Credits 120

* 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

University Requirements and General Education Notes:

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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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

Custom Information Technology Option: Information Technology, B.S. at York 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A, 100B, or 100C (GWS)‡	3
IST 110 or CYBER 100*#	3	IST 210*#	3
IST 140*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	ECON 102 (GS)†	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**15**

Second Year

Fall	Credits	Spring	Credits
MATH 110 or 140 (GQ)‡	4	IST 256*	3
SRA 221*	3	IST 230*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	MGMT 301*	3
Elective or General Education Course (GN/GA/GH)	3	ENGL 202C or 202D (GWS)‡	3
IST 260W*	3	General Education Course (GN or GA or GH)	3
	17		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	General Education Course (GN or GA or GH)*	3
Networking Selection*	3	MKTG 301*	3
Option 1*	3	Business Course*	3
General Education Course (GN or GA or GH)	3	IST 331*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Elective	3
Advanced IT Selection: IST 402*	3	Advanced IT Selection: MIS 404*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Option 4*	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:

- Select 12 credits, with at least 3 credits at the 400 level from:
  SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452,
  IST 456

CyberSecurity Option: Information Technology, B.S. at York 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	Credits	Spring	Credits
ENGL 15 or 30H (GWS)‡	3	CAS 100A, 100B, or 100C (GWS)‡	3
CYBER 100*#	3	IST 210*#	3
IST 140*#	3	IST 220*#	3
SRA 111 (GS)*†	3	IST 242*	3
First-Year Seminar (IST 111S)	1	ECON 102 (GS)†	3
General Education Course (GN or GA or GH) or Elective	3		
	16		**15**

Second Year

Fall	Credits	Spring	Credits
MATH 110 or 140 (GQ)‡	4	IST 256*	3
SRA 221*	3	IST 230*	3
STAT 200‡ (GQ) or SCM 200‡ (GQ) or DS 200*	4	MGMT 301*	3
IST 260W*	3	ENGL 202C or 202D (GWS)‡	3
Elective or General Education Course (GN/GA/GH)	3	General Education Course (GN or GA or GH)	3
	17		**15**

Third Year

Fall	Credits	Spring	Credits
IST 302*	3	General Education Course (GN or GA or GH)*	3
CYBER 262 (Option 1)*	3	MKTG 301*	3
Networking Selection*	3	Business Course*	3
General Education Course (GN or GA or GH)	3	IST 331*	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	15		**15**

Fourth Year

Fall	Credits	Spring	Credits
IST 495*	1	IST 440W*	3
ETI 461*	3	Elective	3
Advanced IT Selection: IST 402*	3	Advanced IT Selection: MIS 404*	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3
Option 4*	3	Elective	2
	13		**14**

Total Credits 120

* 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

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:

- Business Selection Courses (cannot double count with other Additional or Option requirements):
  - ACCTG 211
  - BA 100
  - ECON 102
  - ECON 104
  - MGMT 301
  - MKTG 301
- Networking Selection Courses (cannot double count with other Additional or Option requirements):
  - CYBER 262
  - IST 226
  - IST 451
  - IST 454
- Option Courses:
  - Application Development:
    - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, IST 311, IST 361, IST 411, IST 412, IST 413
  - Business Applications:
    - ACCTG 211
    - Select 3 credits from: FIN 301, MGMT 301, MKTG 301, SCM 301
    - Select 6 credits, with at least 3 credits at the 400 level from: ACCTG, BA, BLAW, EBF, ECON, ENTR, FIN, FINSV, HPA, IB, LER, MIS, MGMT, MKTG, RM, SCM, or STAT
  - Cybersecurity:
    - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451, IST 454, IST 456, SRA 472, or any 300 or 400 level CYBER course
  - Security and Risk Analysis:
    - Select 12 credits, with at least 3 credits at the 400 level from: SRA 211, SRA 231, SRA 311, SRA 365, IST 432, IST 452, IST 456