

INFORMATION TECHNOLOGY, B.S. (UNIVERSITY COLLEGE)

Seven Penn State campuses are scheduled for closure after Spring 2027: DuBois, Fayette, New Kensington, Mont Alto, Shenango, Wilkes-Barre, and York. New students are not being admitted at these campuses.

Begin Campus: Any Penn State Campus

End Campus: Beaver, Brandywine, DuBois, Greater Allegheny, Hazleton, Lehigh Valley, Mont Alto, New Kensington, Schuylkill, Scranton, Shenango, 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 2026-27 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		3
IST 425	New Venture Creation	3
IST 431	The Information Environment	3
IST 446		3
IST 454		3
IST 456		3
MIS 390	Foundations of Information Systems	3
MIS 404	Introduction to ERP and Business Processes	3
IST 301		3
IST 420		3
IST 421		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 (GA)	3
SRA 111 (GS) ^{*†}	3 IST 242 [*]	3
First-Year Seminar (IST 111S)	1 SRA 221 [*]	3
MATH 110 or 140 (GQ) [‡]	4	
	17	15

Second Year

Fall	Credits Spring	Credits
CYBER 262, 451, or 454 [*]	3 IST 256 [*]	3
IST 210 ^{*#}	3 STAT 200 [‡] (GQ) or SCM 200 [‡] (GQ) or DS 200 [*]	4
IST 230 [*]	3 ENGL 202C or 202D (GWS) [‡]	3
Business Selection [*]	3 General Education Course (GN)	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS) [†]	3 General Education Course (GH)	3
	15	16

Third Year

Fall	Credits Spring	Credits
IST 261 (Option 2) [*]	3 ETI 461 [*]	3
IST 302 [*]	3 IST 331 [*]	3
IST 311 (Option 1) [*]	3 IST 411 (Option 3) [*]	3
General Education Course (Inter-Domain)	3 General Education Course (GN)	3
IST 260W [*]	3 General Education Course (Inter-Domain)	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
IST 495 [*]	1 IST 440W [*]	3
Advanced IT Selection IST 456 [*]	3 IST 413 (Option 4) [*]	3
General Education Course (GHW)	3 Advanced IT Selection IST 432 [*]	3
General Education Course (Exploratory)	3 Elective	3
Elective	3 Elective	3
	13	15

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

Business Applications 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 IST 242*	3
MATH 110 or 140 (GQ) [†]	4 SRA 221*	3
SRA 111 (GS) ^{††}	3 General Education Course (GA)	3
First-Year Seminar (IST 111S)	1	
	17	15

Second Year

Fall	Credits Spring	Credits
CYBER 262, 451, or 454*	3 IST 256*	3
IST 210* [#]	3 STAT 200 [†] (GQ) or SCM 200 [†] (GQ) or DS 200*	4
IST 230*	3 ENGL 202C or 202D (GWS) [†]	3
Business Selection (ACCTG 211)*	4 General Education Course (GN)	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS) [†]	3 General Education Course (GH)	3
	16	16

Third Year

Fall	Credits Spring	Credits
IST 302*	3 ETI 461*	3
IST 260W*	3 FIN 301 (Option 3)*	3
MKTG 301 (Option 1)*	3 IST 331*	3
MGMT 301 (Option 2)*	3 General Education Course (Inter-Domain)	3
General Education Course (Inter-Domain)	3 General Education Course (GN)	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
IST 495*	1 IST 440W*	3
SCM 301 (Option 4)*	3 Advanced IT Selection 2 (IST 432)*	3
Advanced IT Selection 1 IST 456*	3 General Education Course (GN or GA or GH)	3
General Education Course (GHW)	3 General Education Course (Exploratory)	3

Elective	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:

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 SRA 221 [*]	3
First-Year Seminar (IST 111S)	1 General Education Course (GA)	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 [*]	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)	3
Business Selection [*]	3 General Education Course (GH)	3
	15	16

Third Year

Fall	Credits Spring	Credits
IST 302 [*]	3 CYBER 362 (Option 3) [*]	3
IST 260W	3 ETI 461 [*]	3
IST 451 (Option 1) [*]	3 IST 331 [*]	3
IST 456 (Option 2) [*]	3 General Education Course (Inter-Domain)	3
General Education Course (Inter-Domain) [*]	3 General Education Course (GN)	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
IST 495 [*]	1 IST 440W	3
Advanced IT Selection 1 IST 413 [*]	3 Advanced IT Selection 2 (IST 432) [*]	3
General Education Course (GHW)	3 IST 454 (Option 4) [*]	3
General Education Course (Exploratory)	3 Elective	3
Elective	3 Elective	3
	13	15

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
 - 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

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, CMPSC 122, or CMPSC 132 [*]	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 or 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
ETI 302 or 302 [*]	3 IST 260W [*]	3
HCDD 311 or 311 (Option 2) [*]	3 HCDD 331 or 331 [*]	3
Networking Selection [*]	3 HCDD 411 or 411 (Option 3) [*]	3
Elective or General Education Course (GN or GA or GH)	3 ETI 461 or ITECH 461 [*]	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 or ITECH 495 [*]	1 IST 440W [*]	3
HCDD 412 or 412 (Option 4) [*]	3 Advanced IT Selection 2 [*]	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

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 or (ACCTG 201 and ACCTG 202)
 - 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 or IST 451
 - CYBER 454 or IST 454
 - IST 226
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311/IST 311, HCDD 361/IST 361, HCDD 411/IST 411, HCDD 412/IST 412, HCDD 413/IST 413
 - Business Applications:
 - ACCTG 211 or (ACCTG 201 and ACCTG 202)
 - 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/IST 451, CYBER 454/IST 454, CYBER 456/IST 456, 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/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, CMPSC 122, or CMPSC 132 [*]	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 or 221 [*]	3
STAT 200 [†] (GQ) or SCM 200 [†] (GQ) or DS 200 [*]	4 ACCTG 211 or 201 and 202 (Option 1) [*]	4-6
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	16-18

Third Year

Fall	Credits Spring	Credits
ETI 302 or 302 [*]	3 IST 260W [*]	3
Option 2 [*]	3 HCDD 331 or 331 [*]	3
Business Selection [*]	4 ETI 461 or ITECH 461 [*]	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 or ITECH 495 [*]	1 IST 440W [*]	3
Option 3 [*]	3 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	1
	13	13

Total Credits 121-123

- * 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 or (ACCTG 201 and ACCTG 202)
 - 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 or IST 451
 - CYBER 454 or IST 454
 - IST 226
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311/IST 311, HCDD 361/IST 361, HCDD 411/IST 411, HCDD 412/IST 412, HCDD 413/IST 413
 - Business Applications:
 - ACCTG 211 or (ACCTG 201 and ACCTG 202)
 - 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/IST 451, CYBER 454/IST 454, CYBER 456/IST 456, 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/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, CMPSC 122, or CMPSC 132 [*]	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 or 221 [*]	3
STAT 200 (STAT 200 required if pursuing NSA certificate) ^{*‡}	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 or 302 [*]	3 IST 260W [*]	3
CYBER 262 (Option 1) [*]	3 HCDD 331 or 331 [*]	3
CYBER 451 or 451 (Networking Selection) [*]	3 ETI 461 or ITECH 461 [*]	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
CYBER 366 (Option 2) [*]	3 IST 440W [*]	3
CYBER 456 or 456 (Option 3) [*]	3 CYBER 454 or 454 (Option 4) [*]	3
IST 495 or ITECH 495 [*]	1 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

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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 or (ACCTG 201 and ACCTG 202)
 - 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 or IST 451
 - CYBER 454 or IST 454
 - IST 226
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311/IST 311, HCDD 361/IST 361, HCDD 411/IST 411, HCDD 412/IST 412, HCDD 413/IST 413
 - Business Applications:
 - ACCTG 211 or (ACCTG 201 and ACCTG 202)
 - 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/IST 451, CYBER 454/IST 454, CYBER 456/IST 456, 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/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, CMPSC 122, or CMPSC 132 [*]	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 or 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
ETI 302 or 302 [*]	3 IST 260W [*]	3
SRA 231 (Option 2) [*]	3 HCDD 331 or 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 or ITECH 495 [*]	1 ETI 461 or ITECH 461 [*]	3
Advanced IT Selection 2 [*]	3 IST 440W [*]	3
CYBER 456 or 456 (Option 3) [*]	3 IST 432 (Option 4) [*]	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 or (ACCTG 201 and ACCTG 202)
 - 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 or IST 451
 - CYBER 454 or IST 454
 - IST 226
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311/IST 311, HCDD 361/IST 361, HCDD 411/IST 411, HCDD 412/IST 412, HCDD 413/IST 413
 - Business Applications:
 - ACCTG 211 or (ACCTG 201 and ACCTG 202)
 - 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/IST 451, CYBER 454/IST 454, CYBER 456/IST 456, 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/IST 456

Specialized Technology 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, CMPSC 122, or CMPSC 132 [*]	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 or 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 or 302 [*]	3 IST 260W [*]	3
Networking Selection [*]	3 HCDD 331 or 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 or ITECH 495 [*]	1 IST 440W [*]	3
Advanced IT Selection 2 [*]	3 ETI 461 or ITECH 461 [*]	3
Option 3 [*]	3 Option 4 [*]	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 or (ACCTG 201 and ACCTG 202)
 - 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 or IST 451
 - CYBER 454 or IST 454
 - IST 226
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311/IST 311, HCDD 361/IST 361, HCDD 411/IST 411, HCDD 412/IST 412, HCDD 413/IST 413
 - Business Applications:
 - ACCTG 211 or (ACCTG 201 and ACCTG 202)
 - 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/IST 451, CYBER 454/IST 454, CYBER 456/IST 456, 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/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 or CYBER 100 ^{**}	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 CYBER 221	3
IST 260W [*]	3 General Education Course (GA)	3
IST 256 [*]	3 General Education Course (GN)	3
CAS 100A, 100B, or 100C (GWS) [‡]	3 ENGL 202C or 202D (GWS) ^{††}	3
	16	15

Third Year

Fall	Credits Spring	Credits Summer	Credits
ETI 302	3 Business Choice 3	3 IST 495 (Taken Any Time)	1
ETI 461	3 Elective 3	3	
Business Choice 2	3 General Education Course (GH)	3	
IST 230 [*]	3 HCDD 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
Advanced IT #1 (CYBER 454)	3 Advanced IT Selection #2 (CYBER 456)	3
ECON 14, 102, or 104 (GS)	3 Business Choice	3
IST 440W	3 Business Choice 4	3
General Education Course (GA)	3 General Education Course (GN)	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:
 - CYBER 454
 - CYBER 456
 - HCDD 413
 - HCDD 446
 - IST 425
 - IST 431
 - IST 402
 - 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 or CYBER 100 ^{*#}	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, 100B, or 100C (GWS) [‡]	3 ENGL 202C or 202D (GWS) ^{††}	3
	15	15

Third Year

Fall	Credits Spring	Credits Summer	Credits
ETI 302	3 CYBER 221	3 IST 495 (Taken any Time)	1
ETI 461	3 Elective 3 (SRA 211)	3	
MATH 110 or 140 (GQ) ^{††}	4 General Education Course (GH)	3	
IST 230 [*]	3 HCDD 331 [*]	3	
General Education Course (GN)	3 STAT 200, SCM 200, or DS 200 (GQ) ^{*††}	4	
	16	16	1

Fourth Year

Fall	Credits Spring	Credits
Advanced IT #1 (CYBER 454)	3 CYBER 451 (Application Focus 4)	3
General Education Course (GHW)	3 General Education Course (GN)	3
IST 440W	3 Business Choice	3
ECON 14, 102, or 104 (GS)	3 Advanced IT Selection #2 (CYBER 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:
 - CYBER 454
 - CYBER 456
 - HCDD 413
 - HCDD 446
 - IST 425
 - IST 431
 - IST 402
 - 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 ACCTG 211 (Option 1) [*]	4
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	16

Third Year

Fall	Credits Spring	Credits
IST 260W [*]	3 IST 302 [*]	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

Specialized 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
SRA 221 [*]	3 IST 256 [*]	3
IST 210 ^{*#}	3 Business Selection [*]	4
General Education Course (GN or GA or GH) or Elective	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	16

Third Year

Fall	Credits Spring	Credits Summer	Credits
General Education Course (GN or GA or GH)	3 IST 302 [*]	3 IST 495 [*]	1
IST 260W [*]	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 Business Selection Course (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
ACCTG 201 (or General Education Course)	3 General Education Course (GN or GA or GH)	3
	16	15

Third Year

Fall	Credits Spring	Credits
ETI 302 [*]	3 IST 260W [*]	3
HCDD 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 or ITECH 495 [*]	1 IST 440W [*]	3
ETI 461 or ITECH 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 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, HCDD 413, IST 261
 - 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

Specialized 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
ACCTG 201 (or General Education Course)	3 General Education Course (GN or GA or GH)	3
	16	15

Third Year

Fall	Credits Spring	Credits
ETI 302 [*]	3 IST 260W [*]	3
HCDD 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 or ITECH 495 [*]	1 IST 440W [*]	3
ETI 461 or ITECH 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 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, HCDD 413, IST 261
 - 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

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

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 CYBER 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
ETI 302 [*]	3 IST 260W [*]	3
HCDD 311 (Option 1) [*]	3 IST 261 (Option 2) [*]	3
HCDD 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 or ITECH 461 [*]	3 HCDD 411, 412, or 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
 - CYBER 451
 - CYBER 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311, HCDD 361, HCDD 411, HCDD 412, HCDD 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

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 CYBER 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
ETI 302 [*]	3 IST 260W [*]	3
HCDD 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 or ITECH 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
 - CYBER 451
 - CYBER 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311, HCDD 361, HCDD 411, HCDD 412, HCDD 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

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 CYBER 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
ETI 302 [*]	3 IST 260W [*]	3
HCDD 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 or ITECH 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
 - CYBER 451
 - CYBER 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311, HCDD 361, HCDD 411, HCDD 412, HCDD 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

Security and Risk Analysis Option: Information Technology, B.S. at Lehigh Valley Campus

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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 CYBER 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
ETI 302 [*]	3 IST 260W [*]	3
HCDD 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 or ITECH 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
 - CYBER 451
 - CYBER 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311, HCDD 361, HCDD 411, HCDD 412, HCDD 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

Specialized 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 or ITECH 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
 - CYBER 451
 - CYBER 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311, HCDD 361, HCDD 411, HCDD 412, HCDD 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

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 or CYBER 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 or HCDD 331 [*]	3 IST 495 or ITECH 495 [*]	1
IST 260W [*]	3 Option 2 [*]	3	
IST 302 or ETI 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 or ITECH 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

² Course offered every-other-year

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/CYBER 451²
 - IST 454/CYBER 454²
- 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

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 Elective ¹	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 or CYBER 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 Elective ¹	3
	16	15

Third Year

Fall	Credits Spring	Credits Summer	Credits
IST 256 [*]	3 Option 2 [*]	3 IST 495 or ITECH 495 [*]	1
IST 302 or ETI 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 or HCDD 331 [*]	3
	15	15
Fourth Year		
Fall	Credits Spring	Credits
ETI 461 or ITECH 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)

² Course offered every-other-year

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/CYBER 451²
 - IST 454/CYBER 454²
- Option Courses:
 - Cybersecurity:
 - Select 12 credits, with at least 3 credits at the 400 level from: CYBER 262, IST 451/CYBER 451², IST 454/CYBER 454², IST 456/CYBER 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 or CYBER 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 or ITECH 495 [*]	1
IST 256 [*]	3 IST 228 (Option 3) [*]	3	
IST 260W [*]	3 Advanced IT Selection 1 [*]	3	
IST 302 or ETI 302 [*]	3 General Education Course (GN or GA or GH)	3	

General Education Course (GN or GA or GH)	3 IST 331 or HCDD 331 [*]	3	
	15	15	1
Fourth Year			
Fall	Credits Spring	Credits	
ETI 461 or ITECH 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

² Course offered every-other-year

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/CYBER 451²
 - IST 454/CYBER 454²
- 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/CYBER 451, IST 454/CYBER 454

Specialized 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 or CYBER 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 or ITECH 495 [*]	1
IST 302 or ETI 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 or HCDD 331 [*]	3
	15	15
Fourth Year		
Fall	Credits Spring	Credits
ETI 461 or ITECH 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

² Course offered every-other-year

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/CYBER 451²
 - IST 454/CYBER 454²
- Option Courses:
 - Specialized 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

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 (GWS) [‡]	3 IST 220 ^{*#}	3
CYBER 100 ^{*#}	3 IST 230 [*]	3
IST 140 (GQ) ^{*#}	3 IST 242 [*]	3
MATH 110 (GQ) [‡]	4 General Education Course	3
SRA 111 (GS) ^{**†}	3 General Education Course	3
16		15

Second Year

Fall	Credits Spring	Credits
IST 210 ^{*#}	3 IST 256 or 260W (offered alternating years) [*]	3
CAS 100 (GWS) [‡]	3 ENGL 202C or 202D (GWS) [‡]	3
ECON 102 [†]	3 CYBER 221 (formerly SRA 221) [*]	3
STAT 200 (GQ) [‡]	4 Option 1 (Recommended: ACCTG 211)	3
General Education Course	3 General Education Course	3
16		15

Third Year

Fall	Credits Spring	Credits Summer	Credits
ETI 302 (formerly IST 302) [*]	3 IST 260W or 256 (offered alternating years) [*]	3 IST 495 [*]	1
HCDD 331 (formerly IST 331) [*]	3 Advanced IT Business (Recommended: IST 452) [*]	3	
Networking Selection (Recommended: IST 454) [*]	3 Option 3 (Recommended: Other MGMT class) [*]	3	

Business Selection (Recommended: ECON 104) [*]	3 General Education Course	3
Option 2 (Recommended: MGMT 301) [*]	3 General Education Course	3
15		15
Fourth Year		
Fall	Credits Spring	Credits
Option 4 (Recommended: MGMT 400-Level) [*]	3 IST 440W [*]	3
Advanced IT Selection (IST 402 or IST 497) [*]	3 General Education Course	3
ITECH 461 [*]	3 General Education Course	3
General Education Course	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

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 (GWS) [‡]	3 IST 220 ^{*#}	3
CYBER 100 ^{*#}	3 IST 230 [*]	3
IST 140 (GQ) ^{*#}	3 IST 242 [*]	3
MATH 110 (GQ) [‡]	4 General Education Course	3
SRA 111 (GS) ^{*†}	3 General Education Course	3
	16	15

Second Year

Fall	Credits Spring	Credits
IST 210 ^{*#}	3 IST 256 or 260W (offered alternating years) [*]	3
CAS 100 (GWS) [‡]	3 ENGL 202C or 202D (GWS) [‡]	3
ECON 102, 104, or PSYCH 100 (GS) [†]	3 CYBER 221 (formerly SRA 221) [*]	3
STAT 200 (GQ) [‡]	4 General Education Course	3
General Education Course	3 General Education Course	3
	16	15

Third Year

Fall	Credits Spring	Credits Summer	Credits
ETI 302 (formerly IST 302) [*]	3 IST 260W or 256 (offered alternating years) [*]	3 IST 495 [*]	1
HCDD 331 (formerly IST 331) [*]	3 Advanced IT Selection (Recommended: IST 452) [*]	3	
Networking Selection (Recommended: CYBER 454) [*]	3 Elective	3	
Business Selection [*]	3 General Education Course	3	

Option 1 (Recommended: CYBER 262) [*]	3 General Education Course	3
	15	15
		1

Fourth Year

Fall	Credits Spring	Credits
ITECH 461 [*]	3 General Education Course	3
Option 3 (Recommended: CYBER 451) [*]	3 IST 440W [*]	3
Advanced IT Selection (Recommended: IST 402 or IST 497) [*]	3 Option 4 (Recommended: CYBER 456) [*]	3
Option 2 (Recommended: CYBER 366) [*]	3 General Education Course	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

Specialized 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 (GWS) [‡]	3 IST 220 ^{*#}	3
CYBER 100 ^{*#}	3 IST 230 [*]	3
IST 140 (GQ) ^{*#}	3 IST 242 [*]	3
MATH 110 (GQ) [‡]	4 General Education Course	3
SRA 111 (GS) ^{*†}	3 General Education Course	3
	16	15

Second Year

Fall	Credits Spring	Credits
IST 210 ^{*#}	3 IST 256 or 260W (offered alternating years) [*]	3
CAS 100 (GWS) [‡]	3 ENGL 202C or 202D (GWS) [‡]	3
ECON 102, 104, or PSYCH 100 [†]	3 CYBER 221 (formerly SRA 221) [*]	3
STAT 200 (GQ) [‡]	4 Business Selection [*]	3
General Education Course	3 General Education Course	3
	16	15

Third Year

Fall	Credits Spring	Credits Summer	Credits
ETI 302 (formerly IST 302) [*]	3 IST 260W or 256 (offered alternating years) [*]	3 IST 495 [*]	1
HCDD 331 (formerly IST 331) [*]	3 Advanced IT Business (Recommended: IST 452) [*]	3	
Networking Selection (Recommended: IST 454) [*]	3 Option 2 [*]	3	
Option 1 [*]	3 General Education Course	3	

General Education Course	3 General Education Course	3
	15	15
		1
Fourth Year		
Fall	Credits Spring	Credits
Option 3 [*]	3 IST 440W [*]	3
Advanced IT Selection (IST 402 or IST 497) [*]	3 Option 4 [*]	3
ITECH 461 [*]	3 General Education Course	3
General Education Course	3 Elective	3
Elective	3	
	15	12
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 IST 220 ^{*#}	3
IST 140 ^{*#} or CMPSC 121 (GQ) ^{#†} or CMPSC 131 ^{*#}	3 IST 242, CMPSC 122, or CMPSC 132 [*]	3
SRA 111 (GS) ^{*†}	3 MATH 110 or 140 (GQ) [†]	4
First-Year Seminar, IST 111S or PSU 8	1-2 General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3	
	16-17	16

Second Year

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

Third Year

Fall	Credits Spring	Credits
HCDD 311 or 311 (Option 1) [*]	3 HCDD 411 or 411 (Option 3) [*]	3
HCDD 331 or 331 [*]	3 IST 260W [*]	3
IST 302 [*]	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
ETI 461 or ITECH 461 [*]	3 HCDD 413 or 413 (Option 4) [*]	3
IST 495 or ITECH 495 [*]	1 IST 440W [*]	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 120-121

* 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
 - CYBER 451 or IST 451
 - CYBER 454 or IST 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311 or IST 311, HCDD 361 or IST 361, HCDD 411 or IST 411, HCDD 412 or IST 412, HCDD 413 or 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, HCDD 451 or IST 451, HCDD 454 or IST 454, HCDD 456 or IST 456, 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,
HCDD 456 or 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 IST 220 ^{*#}	3
IST 140 ^{*#} or CMPSC 121 (GQ) ^{#†} or CMPSC 131 ^{*#}	3 IST 242, CMPSC 122, or CMPSC 132 [*]	3
SRA 111 (GS) ^{*†}	3 MATH 110 or 140 (GQ) [‡]	4
First-Year Seminar, IST 111S or PSU 8	1-2 General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3	
16-17		16

Second Year

Fall	Credits Spring	Credits
CYBER 221 or 221 [*]	3 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
IST 230 [*]	3 IST 210 ^{*#}	3
STAT 200 [‡] (GQ) or SCM 200 [‡] (GQ) or DS 200 [*]	4 IST 256 [*]	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
HCDD 331 or 331 [*]	3 IST 260W [*]	3
IST 302 [*]	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
ETI 461 or ITECH 461 [*]	3 IST 440W [*]	3
IST 495 or ITECH 495 [*]	1 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 121-122

* 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
 - CYBER 451 or IST 451
 - CYBER 454 or IST 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311 or IST 311, HCDD 361 or IST 361, HCDD 411 or IST 411, HCDD 412 or IST 412, HCDD 413 or 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, HCDD 451 or IST 451, HCDD 454 or IST 454, HCDD 456 or IST 456, 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,
HCDD 456 or 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 IST 220 ^{*#}	3
IST 140 ^{*#} or CMPSC 121 (GQ) ^{#‡} or CMPSC 131 ^{*#}	3 IST 242, CMPSC 122, or CMPSC 132 [*]	3
SRA 111 (GS) ^{*†}	3 MATH 110 or 140 (GQ) [‡]	4
First-Year Seminar, IST 111S or PSU 8	1-2 General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3	
16-17		16

Second Year

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

Third Year

Fall	Credits Spring	Credits
HCDD 331 or 331 [*]	3 IST 260W [*]	3
IST 302 [*]	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
ETI 461 or ITECH 461 [*]	3 IST 440W [*]	3
IST 495 or ITECH 495 [*]	1 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 120-121

* 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
 - CYBER 451 or IST 451
 - CYBER 454 or IST 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311 or IST 311, HCDD 361 or IST 361, HCDD 411 or IST 411, HCDD 412 or IST 412, HCDD 413 or 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, HCDD 451 or IST 451, HCDD 454 or IST 454, HCDD 456 or IST 456, 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,
HCDD 456 or IST 456

Security and Risk Analysis Option: Information Technology, B.S. at Schuylkill 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 IST 220 ^{*#}	3
IST 140 ^{*#} or CMPSC 121 (GQ) ^{#‡} or CMPSC 131 ^{*#}	3 IST 242, CMPSC 122, or CMPSC 132 [*]	3
SRA 111 (GS) ^{*†}	3 MATH 110 or 140 (GQ) [‡]	4
First-Year Seminar, IST 111S or PSU 8	1-2 General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3	
16-17		16

Second Year

Fall	Credits Spring	Credits
CYBER 221 or 221 [*]	3 ENGL 202C or 202D (GWS) [‡]	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS) [†]	3 IST 210 ^{*#}	3
IST 230 [*]	3 IST 256 [*]	3
STAT 200 [‡] (GQ) or SCM 200 [‡] (GQ) or DS 200 [*]	4 SRA 211 (Option 1) [*]	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
HCDD 331 or 331 [*]	3 IST 260W [*]	3
IST 302 [*]	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
ETI 461 or ITECH 461 [*]	3 IST 440W [*]	3
IST 495 or ITECH 495 [*]	1 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 120-121

* 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
 - CYBER 451 or IST 451
 - CYBER 454 or IST 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311 or IST 311, HCDD 361 or IST 361, HCDD 411 or IST 411, HCDD 412 or IST 412, HCDD 413 or 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, HCDD 451 or IST 451, HCDD 454 or IST 454, HCDD 456 or IST 456, 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,
HCDD 456 or IST 456

Specialized 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 IST 220 ^{*#}	3
IST 140 ^{*#} or CMPSC 121 (GQ) ^{#‡} or CMPSC 131 ^{*#}	3 IST 242, CMPSC 122, or CMPSC 132 [*]	3
SRA 111 (GS) ^{*†}	3 MATH 110 or 140 (GQ) [‡]	4
First-Year Seminar, IST 111S or PSU 8	1-2 General Education Course (GN or GA or GH)	3
General Education Course (GN or GA or GH) or Elective	3	
16-17		16

Second Year

Fall	Credits Spring	Credits
CYBER 221 or 221 [*]	3 ENGL 202C or 202D (GWS) [‡]	3
ECON 102/ECON 104 or PSYCH 100/SOC 5 or PLSC 1/PLSC 14 (GS) [†]	3 IST 210 ^{*#}	3
IST 230 [*]	3 IST 256 [*]	3
STAT 200 [‡] (GQ) or SCM 200 [‡] (GQ) or DS 200 [*]	4 Business Selection [*]	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
HCDD 331 or 331 [*]	3 IST 260W [*]	3
IST 302 [*]	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
ETI 461 or ITECH 461 [*]	3 IST 440W [*]	3
IST 495 or ITECH 495 [*]	1 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 120-121

* 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
 - CYBER 451 or IST 451
 - CYBER 454 or IST 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311 or IST 311, HCDD 361 or IST 361, HCDD 411 or IST 411, HCDD 412 or IST 412, HCDD 413 or 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, HCDD 451 or IST 451, HCDD 454 or IST 454, HCDD 456 or IST 456, 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,
HCDD 456 or 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 or CYBER 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 or HCDD 331 [*]	3 IST 260W [*]	3
IST 311 or HCDD 311 (Option 2) [*]	3 IST 411 or HCDD 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 or ETI 302 [*]	3 IST 440W [*]	3
IST 412 or HCDD 412 (Option 4) [*]	3 ETI 461 or ITECH 461 [*]	3
IST 495 or ITECH 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 or CYBER 451
 - IST 454 or CYBER 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311, HCDD 361, HCDD 411, HCDD 412, HCDD 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

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 or 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
IST 302 or ETI 302 [*]	3 IST 260W [*]	3
IST 331 or HCDD 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 or ITECH 495 [*]	1 IST 440W [*]	3
Option 3 [*]	3 Option 4 [*]	3
Advanced IT Selection [*]	3 ETI 461 or ITECH 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 or CYBER 451
 - IST 454 or CYBER 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311, HCDD 361, HCDD 411, HCDD 412, HCDD 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

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 or CYBER 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 or ETI 302 [*]	3 IST 260W [*]	3
IST 331 or HCDD 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 or ITECH 495 [*]	1 IST 440W [*]	3
Option 4 [*]	3 ETI 461 or ITECH 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 or CYBER 451
 - IST 454 or CYBER 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311, HCDD 361, HCDD 411, HCDD 412, HCDD 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

Specialized 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 or 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
IST 302 or 402 [*]	3 IST 260W [*]	3
IST 331 or HCDD 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 or ITECH 495 [*]	1 IST 440W [*]	3
Option 3 [*]	3 ETI 461 or ITECH 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 or CYBER 451
 - IST 454 or CYBER 454
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: IST 261, HCDD 311, HCDD 361, HCDD 411, HCDD 412, HCDD 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

Shenango Campus

Business Applications Option: Information Technology, B.S. at Shenango 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 (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
PSU 8	1 IST 210 ^{*#}	3
MATH 110 or 140 (GQ) ^{††}	4	
	17	15

Second Year

Fall	Credits Spring	Credits
IST 230 [*]	3 SRA 221 or CYBER 221 [*]	3
ACCTG 211	4 STAT 200 or SCM 200 (GQ) ^{††}	4
ECON 104	3 ENGL 202C or 202D (GWS) [‡]	3
General Education Course or Elective	3 General Education Course or Elective	3
CYBER 262 [*]	3 IST 256 [*]	3
	16	16

Third Year

Fall	Credits Spring	Credits
IST 302 [*]	3 IST 260W [*]	3
Elective	3 IST 331 [*]	3
IST 451 [*]	3 CYBER 366 [*]	3
General Education Course or Elective	3 Advanced IT Selection 1 [*]	3
General Education Course or Elective	3 General Education Course or Elective	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
ETI 461 [*]	3 IST 440W [*]	3
Elective	3 IST 454 [*]	3
IST 456 or CYBER 456 [*]	3 Advanced IT Selection 2 [*]	3
General Education Course (GHW)	3 General Education Course or Elective	3
IST 495 [*]	1 Elective	3
	13	15

Total Credits 122

† 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.

* 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

Cybersecurity Option: Information Technology, B.S. at Shenango 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 (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
PSU 8	1 IST 210 ^{*#}	3
MATH 110 or 140 (GQ) ^{††}	4	
	17	15

Second Year

Fall	Credits Spring	Credits
IST 230 [*]	3 SRA 221 or CYBER 221 [*]	3
ACCTG 211	4 STAT 200 or SCM 200 (GQ) ^{††}	4
ECON 104	3 ENGL 202C or 202D (GWS) [‡]	3
General Education Course or Elective	3 General Education Course or Elective	3
CYBER 262 [*]	3 IST 256 [*]	3
	16	16

Third Year

Fall	Credits Spring	Credits
IST 302 [*]	3 IST 260W [*]	3
Elective	3 IST 331 [*]	3
IST 451 [*]	3 CYBER 366 [*]	3
General Education Course or Elective	3 Advanced IT Selection 1 [*]	3
General Education Course or Elective	3 General Education Course or Elective	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
ETI 461 [*]	3 IST 440W [*]	3
Elective	3 IST 454 [*]	3
IST 456 or CYBER 456 [*]	3 Advanced IT Selection 2 [*]	3
General Education Course (GHW)	3 General Education Course or Elective	3
IST 495 [*]	1 Elective	3
	13	15

Total Credits 122

* 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.

Networking Option: Information Technology, B.S. at Shenango 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 (GWS) [‡]	3 CAS 100A (GWS) [‡]	3
CYBER 100 or IST 110 ^{*#}	3 IST 220 ^{*#}	3
IST 140 ^{*#}	3 IST 242 [*]	3
General Education Course or Elective	3 SRA 111 (GS) ^{**†}	3
PSU 8	1 IST 210 ^{*#}	3
MATH 110 or 140 (GQ) ^{††}	4	
	17	15

Second Year

Fall	Credits Spring	Credits
IST 230 [*]	3 SRA 221 or CYBER 221 [*]	3
ACCTG 211	4 STAT 200 or SCM 200 (GQ) ^{††}	4
ECON 104	3 ENGL 202C or 202D (GWS) [‡]	3
General Education Course or Elective	3 General Education Course or Elective	3
CYBER 262 [*]	3 IST 256 [*]	3
	16	16

Third Year

Fall	Credits Spring	Credits
IST 302 [*]	3 IST 331 [*]	3
Elective	3 IST 260W [*]	3
IST 451 or CYBER 451 [*]	3 General Education Course or Elective	3
IST 225 or 226 [*]	3 Advanced IT Selection 1 [*]	3
General Education Course or Elective	3 General Education Course or Elective	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
ETI 461 [*]	3 IST 440W [*]	3
Elective	3 IST 454 or CYBER 454 [*]	3
IST 456 or CYBER 456 [*]	3 Advanced IT Selection 2 [*]	3
General Education Course (GHW)	3 General Education Course or Elective	3
IST 495 [*]	1 Elective	3
	13	15

Total Credits 122

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.

* 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

Specialized Technology Option: Information Technology, B.S. at Shenango 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 (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
PSU 8	1 IST 210 ^{*#}	3
MATH 110 or 140 (GQ) ^{††}	4	
	17	15

Second Year

Fall	Credits Spring	Credits
IST 230 [*]	3 SRA 221 or CYBER 221 [*]	3
ACCTG 211	4 STAT 200 or SCM 200 (GQ) ^{††}	4
ECON 104	3 ENGL 202C or 202D (GWS) [‡]	3
General Education Course or Elective	3 General Education Course or Elective	3
Custom Focus Option [*]	3 IST 256 [*]	3
	16	16

Third Year

Fall	Credits Spring	Credits
IST 302 [*]	3 IST 260W [*]	3
Elective	3 IST 331 [*]	3
IST 451 or CYBER 451 (Networking Selection) [*]	3 Custom Focus Option [*]	3
General Education Course	3 Advanced IT Selection 1 [*]	3
General Education Course or Elective	3 General Education Course or Elective	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
ETI 461 [*]	3 IST 440W [*]	3
Elective	3 Custom Focus Option [*]	3
Custom Focus Option [*]	3 Advanced IT Selection 2 [*]	3
General Education Course (GHW)	3 General Education Course or Elective	3
IST 495 [*]	1 Elective	3
	13	15

Total Credits 122

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.

* 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

Wilkes-Barre Campus

Specialized 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	

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

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First Year

Fall	Credits Spring	Credits
ENGL 15 (GWS) [†]	3 CAS 100A, 100B, or 100C (GWS) [†]	3
IST 110 or CYBER 100 ^{*#}	3 IST 210 ^{*#}	3
IST 140 ^{*#}	3 IST 220 ^{*#}	3
PSU 8	1 IST 242 [*]	3
SRA 111 (GS) ^{*†}	3 ECON 102 (GS) [†]	3
General Education Course (GN or GA or GH) or Elective	3	
	16	15

Second Year

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

Third Year

Fall	Credits Spring	Credits
CYBER 451 (Networking Selection) [*]	3 Elective or General Education Course (GN/GA/GH)	3
ETI 302 [*]	3 HCDD 331 [*]	3
HCDD 311 (Option Course) [*]	3 HCDD 361 (Option Course) [*]	3
General Education Course (GN or GA or GH)	3 HCDD 411 (Option Course) [*]	3
General Education Course (GN or GA or GH)	3 MKTG 301 [*]	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
ETI 461 [*]	3 IST 440W [*]	3
HCDD 413 (Option Course) [*]	3 Elective	3
IST 495 or ITECH 495 [*]	1 Advanced IT Selection: MIS 404 [*]	3
Advanced IT Selection: IST 402 [*]	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
 - CYBER 451
 - CYBER 454
 - IST 226
- Option Courses:
 - Application Development:
 - Select 12 credits, with at least 3 credits at the 400 level from: HCDD 261, HCDD 311, HCDD 361, HCDD 411, HCDD 412, HCDD 413

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 (GWS) [‡]	3 CAS 100A, 100B, or 100C (GWS) [‡]	3
IST 110 or CYBER 100 ^{*#}	3 ECON 102 (GS) [†]	3
IST 140 ^{*#}	3 IST 210 ^{*#}	3
PSU 8	1 IST 220 ^{*#}	3
SRA 111 (GS) ^{*†}	3 IST 242 [*]	3
General Education Course (GN or GA or GH) or Elective	3	
	16	15

Second Year

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

Third Year

Fall	Credits Spring	Credits
ACCTG 211 (Option Course) [*]	4 HCDD 331 [*]	3
CYBER 451 (Networking Selection) [*]	3 MKTG 301 (Option Course) [*]	3
ETI 302 [*]	3 Any Business Course (Option Course) [*]	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
	16	15

Fourth Year

Fall	Credits Spring	Credits
ETI 461 [*]	3 IST 440W [*]	3
IST 495 or ITECH 495 [*]	1 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
Any 400-Level Business Course [*]	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:

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:
 - 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 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
CYBER 100 ^{*#}	3 CAS 100A, 100B, or 100C (GWS) [‡]	3
ENGL 15 (GWS) [‡]	3 IST 210 ^{*#}	3
IST 140 ^{*#}	3 IST 220 ^{*#}	3
PSU 8	1 IST 242 [*]	3
SRA 111 (GS) ⁺⁺	3 ECON 102 (GS) [†]	3
General Education Course (GN or GA or GH) or Elective	3	
	16	15

Second Year

Fall	Credits Spring	Credits
CYBER 221 [*]	3 ENGL 202C or 202D (GWS) [‡]	3
IST 260W [*]	3 IST 256 [*]	3
MATH 110 (GQ) [‡]	4 IST 230 [*]	3
STAT 200 (GQ) [‡]	4 MGMT 301 [*]	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
CYBER 262 (Option Course) [*]	3 CYBER 366 (Option Course) [*]	3
CYBER 456 (Option Course) [*]	3 CYBER 454 (Option Course) [*]	3
ETI 302 [*]	3 HCDD 331 [*]	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 General Education Course (GN or GA or GH)	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
CYBER 451 (Networking Selection) [*]	3 IST 440W [*]	3
ETI 461 [*]	3 Elective	3
IST 495 or ITECH 495 [*]	1 Advanced IT Selection: MIS 404 [*]	3
Advanced IT Selection: IST 402 [*]	3 General Education Course (GN or GA or GH)	3
General Education Course (GHW)	3 Elective	2
	13	14

Total Credits 120

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:
 - 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

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

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

Specialized 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 (GWS) [‡]	3 CAS 100A, 100B, or 100C (GWS) [‡]	3
IST 110 or CYBER 100 ^{*#}	3 IST 210 ^{*#}	3
IST 140 ^{*#}	3 IST 220 ^{*#}	3
PSU 8	1 IST 242 [*]	3
SRA 111 (GS) ⁺⁺	3 ECON 102 (GS) [†]	3
General Education Course (GN or GA or GH) or Elective	3	
	16	15

Second Year

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

Third Year

Fall	Credits Spring	Credits
CYBER 451 (Networking Selection) [*]	3 HCDD 331 [*]	3
ETI 302 [*]	3 Option Course (consult with your adviser) [*]	3
Option Course (consult with your adviser) [*]	3 Option Course (consult with your adviser) [*]	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 General Education Course (GN or GA or GH) [*]	3
	15	15

Fourth Year

Fall	Credits Spring	Credits
IST 495 or ITECH 495 [*]	1 IST 440W [*]	3
ETI 461 [*]	3 Elective	3
Advanced IT Selection: IST 402 [*]	3 Advanced IT Selection: MIS 404 [*]	3
Option Course (consult with your adviser) [*]	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
 - CYBER 451
 - CYBER 454
 - IST 226
- Option Courses:
 - 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.