

# INFORMATION TECHNOLOGY, B.S. (BERKS)

**Begin Campus:** Any Penn State Campus

**End Campus:** Berks

## Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2022-23 academic year. To access previous years' suggested academic plans, please visit the archive (<https://bulletins.psu.edu/undergraduate/archive/>) to view the appropriate Undergraduate Bulletin edition (*Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

### Application Development Option: Information Technology, B.S. at Berks 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) <sup>‡</sup>	3 CAS 100 (GWS) <sup>‡</sup>	3
IST 110 or CYBER 100 <sup>*#</sup>	3 MATH 110 or 140 (GQ) <sup>‡</sup>	4
IST 140 <sup>*#</sup> or CMPSC 121 (GQ) <sup>#‡</sup> or CMPSC 131 <sup>*#</sup>	3 IST 220 <sup>*#</sup>	3
SRA 111 (GS) <sup>*†</sup>	3 IST 242 <sup>*</sup>	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	
	<b>16</b>	<b>16</b>

#### Second Year

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

#### Third Year

Fall	Credits Spring	Credits
IST 302 <sup>*</sup>	3 IST 261 (Option 2) <sup>*</sup>	3
IST 311 (Option 1) <sup>*</sup>	3 IST 411 (Option 3) <sup>*</sup>	3

IST 331 <sup>*</sup>	3 Advanced IT Selection 1 <sup>*</sup>	3
General Education Course (GN or GA or GH)	3 Networking Selection <sup>*</sup>	3
General Education Course (GN or GA or GH)	3 General Education Course (GN or GA or GH)	3
	<b>15</b>	<b>15</b>

#### Fourth Year

Fall	Credits Spring	Credits
IST 260W <sup>*</sup>	3 IST 440W <sup>*</sup>	3
IST 495 <sup>*</sup>	1 IST 413 (Option 4) <sup>*</sup>	3
ETI 461 <sup>*</sup>	3 Advanced IT Selection 2 <sup>*</sup>	3
General Education Course (GHW)	3 General Education Course (GN or GA or GH)	3
Elective	3 Elective	2
	<b>13</b>	<b>14</b>

#### 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

<sup>1</sup> For General Education Course notations, please be sure to include six (6) credits of Inter-Domain (N courses), three (3) credits of United States (US) Cultures, and three (3) credits of International (IL) Cultures. Consult adviser for details.

<sup>2</sup> The following courses are offered Fall Semester only: IST 260W.

#### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

#### 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 Berks 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) <sup>‡</sup>	3 CAS 100 (GWS) <sup>‡</sup>	3
IST 110 or CYBER 100 <sup>*#</sup>	3 MATH 110 or 140 (GQ) <sup>‡</sup>	4
IST 140 <sup>*#</sup> or CMPSC 121 (GQ) <sup>#‡</sup> or CMPSC 131 <sup>*#</sup>	3 IST 220 <sup>*#</sup>	3
SRA 111 (GS) <sup>*†</sup>	3 IST 242 <sup>*</sup>	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	
	<b>16</b>	<b>16</b>

### Second Year

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

### Third Year

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

### Fourth Year

Fall	Credits Spring	Credits
IST 260W <sup>*</sup>	3 IST 440W <sup>*</sup>	3
IST 495 <sup>*</sup>	1 Option 4 <sup>*</sup>	3
ETI 461 <sup>*</sup>	3 Advanced IT Selection <sup>*</sup>	3
General Education Course (GHW)	3 General Education Course (GN or GA or GH)	3

Elective	3 Elective	1
	<b>13</b>	<b>13</b>

### 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

<sup>1</sup> For General Education Course notations, please be sure to include six (6) credits of Inter-Domain (N courses), three (3) credits of United States (US) Cultures, and three (3) credits of International (IL) Cultures. Consult adviser for details.

<sup>2</sup> The following courses are offered Fall Semester only: IST 260W.

### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

### 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

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

## Custom Information Technology Option: Information Technology, B.S. at Berks 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) <sup>‡</sup>	3 CAS 100 (GWS) <sup>‡</sup>	3
IST 110 or CYBER 100 <sup>*#</sup>	3 MATH 110 or 140 (GQ) <sup>‡</sup>	4
IST 140* <sup>#</sup> or CMPSC 121 (GQ) <sup>#‡</sup> or CMPSC 131 <sup>*#</sup>	3 IST 220 <sup>*#</sup>	3
SRA 111 (GS) <sup>*†</sup>	3 IST 242 <sup>*</sup>	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	
	<b>16</b>	<b>16</b>

### Second Year

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

### Third Year

Fall	Credits Spring	Credits
IST 302 <sup>*</sup>	3 Option 2 <sup>*</sup>	3
IST 331 <sup>*</sup>	3 Option 3 <sup>*</sup>	3
Option 1 <sup>*</sup>	3 Networking Selection <sup>*</sup>	3
General Education Course (GN or GA or GH)	3 Advanced IT Selection 1 <sup>*</sup>	3
General Education Course (GN or GA or GH)	3 General Education Course (GN or GA or GH)	3
	<b>15</b>	<b>15</b>

### Fourth Year

Fall	Credits Spring	Credits
IST 260W <sup>*</sup>	3 IST 440W <sup>*</sup>	3
IST 495 <sup>*</sup>	1 Option 4 <sup>*</sup>	3
ETI 461 <sup>*</sup>	3 Advanced IT Selection 2 <sup>*</sup>	3
General Education Course (GHW)	3 General Education Course (GN or GA or GH)	3

Elective	3 Elective	2
	<b>13</b>	<b>14</b>

### 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

<sup>1</sup> For General Education Course notations, please be sure to include six (6) credits of Inter-Domain (N courses), three (3) credits of United States (US) Cultures, and three (3) credits of International (IL) Cultures. Consult adviser for details.

<sup>2</sup> The following courses are offered Fall Semester only: IST 260W.

### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

### 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 Berks 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) <sup>‡</sup>	3 CAS 100 (GWS) <sup>‡</sup>	3
CYBER 100 <sup>*#</sup>	3 MATH 110 or 140 (GQ) <sup>‡</sup>	4
IST 140 <sup>*#</sup> or CMPSC 121 (GQ) <sup>#‡</sup> or CMPSC 131 <sup>*#</sup>	3 IST 220 <sup>*#</sup>	3
SRA 111 (GS) <sup>*†</sup>	3 IST 242 <sup>*</sup>	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	
	<b>16</b>	<b>16</b>

### Second Year

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

### Third Year

Fall	Credits Spring	Credits
IST 302 <sup>*</sup>	3 Option 2 <sup>*</sup>	3
IST 331 <sup>*</sup>	3 Option 3 <sup>*</sup>	3
Business Selection <sup>*</sup>	3 Networking Selection <sup>*</sup>	3
General Education Course (GN or GA or GH)	3 Advanced IT Selection 1 <sup>*</sup>	3
General Education Course (GN or GA or GH)	3 General Education Course (GN or GA or GH)	3
	<b>15</b>	<b>15</b>

### Fourth Year

Fall	Credits Spring	Credits
IST 260W <sup>*</sup>	3 IST 440W <sup>*</sup>	3
IST 495 <sup>*</sup>	1 Option 4 <sup>*</sup>	3
ETI 461 <sup>*</sup>	3 Advanced IT Selection 2 <sup>*</sup>	3
General Education Course (GHW)	3 General Education Course (GN or GA or GH)	3

Elective	3 Elective	2
	<b>13</b>	<b>14</b>

### 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

<sup>1</sup> For General Education Course notations, please be sure to include six (6) credits of Inter-Domain (N courses), three (3) credits of United States (US) Cultures, and three (3) credits of International (IL) Cultures. Consult adviser for details.

<sup>2</sup> The following courses are offered Fall Semester only: IST 260W.

### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

### Advising Notes:

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

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



## Security and Risk Analysis Option: Information Technology, B.S. at Berks 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) <sup>‡</sup>	3	CAS 100 (GWS) <sup>‡</sup>	3
IST 110 or CYBER 100 <sup>*#</sup>	3	MATH 110 or 140 (GQ) <sup>‡</sup>	4
IST 140* <sup>#</sup> or CMPSC 121 (GQ) <sup>#‡</sup> or CMPSC 131 <sup>*#</sup>	3	IST 220 <sup>*#</sup>	3
SRA 111 (GS) <sup>*†</sup>	3	IST 242 <sup>*</sup>	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		
	<b>16</b>		<b>16</b>

### Second Year

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

### Third Year

Fall	Credits	Spring	Credits
IST 302 <sup>*</sup>	3	SRA 231 (Option 2) <sup>*</sup>	3
IST 331 <sup>*</sup>	3	Option 3 <sup>*</sup>	3
SRA 211 (Option 1) <sup>*</sup>	3	Networking Selection <sup>*</sup>	3
General Education Course (GN or GA or GH)	3	Advanced IT Selection 1 <sup>*</sup>	3
General Education Course (GN or GA or GH)	3	General Education Course (GN or GA or GH)	3
	<b>15</b>		<b>15</b>

### Fourth Year

Fall	Credits	Spring	Credits
IST 260W <sup>*</sup>	3	IST 440W <sup>*</sup>	3
IST 495 <sup>*</sup>	1	Option 4 <sup>*</sup>	3
ETI 461 <sup>*</sup>	3	Advanced IT Selection 2 <sup>*</sup>	3
General Education Course (GHW)	3	General Education Course (GN or GA or GH)	3

Elective	3	Elective	2
	<b>13</b>		<b>14</b>

### 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

<sup>1</sup> For General Education Course notations, please be sure to include six (6) credits of Inter-Domain (N courses), three (3) credits of United States (US) Cultures, and three (3) credits of International (IL) Cultures. Consult adviser for details.

<sup>2</sup> The following courses are offered Fall Semester only: IST 260W.

### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University 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.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

### 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