

Information Technology AAS (ITEC)

Catalog: 2019-2020

Effective Date: 9/01/2018

| CR | COURSE | COURSE TITLE | SUNY GEN ED | TR | SEMESTER | | | |
|--|--|--|-------------|----|----------|--|--|--|
| 1-2 | HRD 100, HRD 100A or HRD 110 | FRESHMAN EXPERIENCE | | | | | | |
| 3 | ENG 101 | <i>Introduction to College Writing</i> | GECB | | | | | |
| 3 | SUNY GEN ED Basic Communication ENG 102, ENG 103, ENG 104, ENG 105, ENG 106, ENG 107, ENG 108, ENG 109 or ENG 110 | | GECB | | | | | |
| 4 | Lab Science | | | | | | | |
| 3 | ECO 101 | <i>Introduction to Personal Economics</i> | | | | | | |
| 3 | SPH 111 | <i>Introduction to Public Speaking</i> | | | | | | |
| 3 | CIS 111 | <i>Computers and Applications</i> | | | | | | |
| 3 | CIS 125 | <i>Office Productivity Software</i> | | | | | | |
| 3 | CIS 122 (Prereq Required) | <i>Introduction to Internet Development</i> | | | | | | |
| 3 | CIS 126 (Spring only - Prereq Required) | <i>Advanced PC Applications</i> | | | | | | |
| 3 | CIS 131 | <i>Introduction to Networking</i> | | | | | | |
| 3 | CIS 140 or CIS 143 - (Prereq Required) | <i>Introduction to Programming in a Windows Environment or Introduction to Programming</i> | | | | | | |
| 3 | CIS 150 (Prereq Required) | <i>Topics in Computing</i> | | | | | | |
| Choose one Focus Area: | | | | | | | | |
| <u>Applications Development</u> | | | | | | | | |
| 3 | CIS 144 (Prereq Required) | <i>Intermediate Programming in a Windows Environment</i> | | | | | | |
| 3 | CIS 151 (Fall only - Prereq Required) | <i>Server Side Scripting</i> | | | | | | |
| 3 | CIS 178 | <i>Information Technology Internship</i> | | | | | | |
| 3 | CIS 237 (Prereq Required) | <i>Database Management Systems</i> | | | | | | |
| 3-4 | MAT 127 or MAT 129 - (Prereq Required) | <i>Introductory Statistics with Probability or Discrete Mathematics</i> | | | | | | |
| 6 | Choose 2 from: CIS 211(Prereq Required) CIS 222 (Spring only - Prereq Required) CIS 243 (Prereq Required) CIS 250 (Spring only- Prereq Required) | IT ELECTIVE | | | | | | |

Note: Please review the back of this form for remaining degree requirements.

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| CR | COURSE | COURSE TITLE | SUNY GEN ED | TR | SEMESTER | | | |
|-----------|--|--|----------------|----|----------|--|--|--|
| | <u>End User Support</u> | | | | | | | |
| 3 | CIS 120 (Prereq Required) | <i>PC Hardware Fundamentals</i> | | | | | | |
| 3 | CIS 123 (Spring only - Prereq Required) | <i>PC Software Fundamentals</i> | | | | | | |
| 3 | CIS 219 (Spring only – Prereq and Coreq Required) | <i>End User Support</i> | | | | | | |
| 3 | CIS 178 | <i>Information Technology Internship</i> | | | | | | |
| 4 | MAT 127 (Prereq Required) | <i>Introductory Statistics with Probability</i> | GEMA | | | | | |
| 6 | Choose from: CIS 144 (Prereq Required) CIS 211 (Prereq Required) CIS 232 (Prereq Required) CIS 250 (Spring only – Prereq Required) | IT ELECTIVE | | | | | | |
| | <u>Business Management</u> | | | | | | | |
| 4 | BUS 146 | <i>Financial Accounting</i> | | | | | | |
| 4 | BUS 147 (Prereq Required) | <i>Management Accounting</i> | | | | | | |
| 3 | BUS 201 | <i>Business Law I</i> | | | | | | |
| 3-4 | MAT 121 or MAT 127 (Prereq Required) | <i>Pre-calculus: Algebra or Introductory Statistics with Probability</i> | GEMA | | | | | |
| 6 | Choose 2 from: BUS 102, BUS 103 or BUS 261 | BUSINESS ELECTIVE | | | | | | |
| | | | | | | | | |
| 3 | Electives | | | | | | | |
| 61 | Minimum credits required for graduation | | | | | | | |

| ❖ COURSE PREREQUISITES: | | | |
|--------------------------------|--|----------------|---|
| BUS 147 | BUS 146 (or 146B0 with C or better <u>and</u> CIS 119, 125 or 150 <u>or</u> permission of instructor | CIS 211 | CIS 111 or CIS 131 |
| CIS 120 | Familiarity with using a PC, keyboard, and mouse in a Windows environment. | CIS 219 | CIS 120 |
| CIS 122 | Familiarity using a Windows-based PC, file management techniques and a word processor | CIS 222 | CIS 144 |
| CIS 123 | CIS 120 | CIS 232 | CIS 131 |
| CIS 126 | CIS 125 or CIS 150 | CIS 237 | CIS 144 |
| CIS 140 | CIS 122 or MAT 108 | CIS 243 | CIS 144 with C or better and MAT 129 |
| CIS 143 | MAT 108 or MAT 119 or CIS 122 | CIS 250 | Permission of instructor |
| CIS 144 | CIS 140 with C or better <u>or</u> CIS 143 with C or better | MAT 127 | MAT 096 within 4 years and 21 passed credits <u>or</u> MAT 097 within 4 years and 21 earned credits <u>or</u> MAT 108 |
| CIS 150 | CIS 143 | MAT 129 | MAT 108 with C or better |
| CIS 151 | CIS 122 or CIS 143 | | |
| ❖ COURSE COREQUISITES: | | | |
| CIS 219 | CIS 123 and MAT 127 | | |

| ❖ RECOMMENDED SEQUENCE: APPLICATIONS DEVELOPMENT FOCUS AREA | | | |
|--|---|------------------------|---|
| <u>FIRST YEAR</u> | | | |
| First Semester | | Second Semester | |
| 1-2 | HRD 100, HRD 100A or HRD 110 | | |
| 3 | ENG 101 | 3 | ENG 102 – ENG 110 |
| 3 | ECO 101 | 3 | SPH 111 |
| 3 | CIS 111 | 3 | CIS 131 |
| 3 | CIS 122 | 3 | CIS 143 |
| 3 | CIS 125 | 4 | Lab Science |
| | | | |
| <u>SECOND YEAR</u> | | | |
| Third Semester | | Fourth Semester | |
| 3 | CIS 144 | 3 | CIS 126 |
| 3 | CIS 150 | 3 | CIS 237 |
| 3 | CIS 151 | 3 | CIS 178 |
| 3 | IT Elective – CIS 211, CIS 222, CIS 243 or CIS 250 (See Note 1) | 3 | IT Elective – CIS 211, CIS 222, CIS 243 or CIS 250 (See Note 1) |
| 3-4 | MAT 127 or MAT 129 (See Note 1) | 3 | Electives |
| NOTES: | | | |
| 1. MAT 129 is required for those students who wish to take CIS 243 as their IT elective. | | | |

| ❖ RECOMMENDED SEQUENCE: END USER SUPPORT FOCUS AREA | | | |
|--|--|------------------------|--|
| FIRST YEAR | | | |
| First Semester | | Second Semester | |
| 1-2 | HRD 100, HRD 100A or HRD 110 | | |
| 3 | ENG 101 | 3 | ENG 102 – ENG 110 |
| 3 | CIS 120 | 3 | SPH 111 |
| 3 | CIS 111 | 3 | ECO 101 |
| 3 | CIS 122 | 3 | CIS 140 or CIS 143 |
| 3 | CIS 125 | 3 | CIS 123 |
| SECOND YEAR | | | |
| Third Semester | | Fourth Semester | |
| 4 | Lab Science | 4 | MAT 127 |
| 3 | CIS 131 | 3 | CIS 126 |
| 3 | CIS 150 | 3 | CIS 178 |
| 3 | IT Elective – CIS 144, CIS 211, CIS 232 or CIS 250 | 3 | CIS 219 |
| 3 | Electives | 3 | IT Elective – CIS 211, CIS 222, CIS 243 or CIS 250 |

| ❖ RECOMMENDED SEQUENCE: BUSINESS MANAGEMENT FOCUS AREA | | | |
|---|--|------------------------|--|
| FIRST YEAR | | | |
| First Semester | | Second Semester | |
| 1-2 | HRD 100, 100A or 110 | | |
| 3 | ENG 101 | 3 | ENG 102 – ENG 110 |
| 3 | ECO 101 | 3 | SPH 111 |
| 3 | CIS 111 | 3 | CIS 126 |
| 3 | CIS 122 | 3 | CIS 131 |
| 3 | CIS 125 | 4 | BUS 146 |
| SECOND YEAR | | | |
| Third Semester | | Fourth Semester | |
| | | 3 | CIS 150 |
| 4 | BUS 147 | 3-4 | MAT 121 or MAT 127 |
| 3 | Business Elective: BUS 102, BUS 103 or BUS 261 | 3 | Business Elective: BUS 102, BUS 103 or BUS 261 |
| 3 | CIS 140 or CIS 143 | 3 | BUS 201 |
| 4 | Lab Science | 3 | Electives |

❖ **DEFINITION OF COURSE REQUIREMENTS:** See <http://catalog.sunyacc.edu/academics/degree requirements>

❖ **FINANCIAL AID RECIPIENTS:** A student **must** choose courses that are within their degree program. Students are encouraged to meet with their assigned academic advisor for any questions about course selection and degree program requirements. Please visit the Office of Financial Aid for any aid-related questions.

❖ **SUNY GEN ED KNOWLEDGE AREAS:** See <http://catalog.sunyacc.edu/academics/generaleducation>

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|-------------------------------|-----------------------------------|
| ❖ Mathematics (GEMA) | ❖ Other World Civilization (GEOC) |
| ❖ Natural Sciences (GENS) | ❖ Humanities (GEHU) |
| ❖ Social Sciences (GESS) | ❖ The Arts (GETA) |
| ❖ American History (GEAH) | ❖ Foreign Languages (GEFL) |
| ❖ Western Civilization (GEWC) | ❖ Basic Communication (GEBC) |