# Pathways in Information Technology Transfer Guide

Rio Salado College – A.A.S. in Information Technology: Programming & Systems Analysis Level I
Empire State College – B.S. in Science, Mathematics & Technology: Information Technology concentration

## Rio Salado College – IT: Programming & Systems Analysis Level I (A.A.S.)

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|---|---|---|---|---|
| CIS105 Survey of Computer Information Systems | 3 | ENG101 First-Year Composition or ENG107 First-Year Composition for ESL | 3 |
| CIS133DA Internet/Web Development Level I | 3 | ENG102 First-Year Composition or ENG108 First-Year Composition for ESL | 3 |
| GBS151 Introduction to Business | 3 | Mathematics elective (College Algebra required by SUNY Empire) | 3 |
| CIS150AB Object-Oriented Programming Fundamentals | 3 | Mathematics elective (Statistics required by SUNY Empire) | 3 |
| CIS119DO Introduction to Oracle: SQL or CIS276DA MySQL Database or CIS276DB SQL Server Database | 3 | Social and Behavioral Sciences elective | 3 |
| CIS 166 (or higher) Any Web Scripting course | 3 | Humanities, Fine Arts & Design elective | 3 |
| CIS126DL Linux Operating System or CIS126RH Red Hat System Administration I or MST150 (or higher) Any Microsoft Windows course | 3 | COM 100 Intro to Human Communication or COM 110 Interpersonal Communication or COM 225 Public Speaking or COM 230 Small Group Communication | 3 |
| CIS159 Visual Basic Programming I or CIS162 (or higher) Any C Programming: Level I course or CIS163AA Java Programming: Level I or CIS 165 (or higher) Any Mobile Application Development course | 3 | Natural Sciences General elective or Natural Sciences Quantitative elective | 4 |
| CIS224 Project Management Microsoft Project for Windows or CIS250 Management of Information Systems | 3 | CPD 115 Creating College Success or CPD 150 Strategies for College Success or CPD 150AC Educational & Career Planning or CPD 104 Career and Personal Development | 0 |
| CIS190 Introduction to Networking or CNT140AB Introduction to Networks | 4 | CRE101 College Critical Reading and Critical Thinking | 0 |
| Related Area elective | 4 | | |
| Related Area elective | 4 | **Total RSC Credit** | **64** |

## SUNY Empire State College – B.S. in Science, Mathematics & Technology: Information Technology concentration (Sample only, upper-division)

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|---|---|---|---|
| CSCI 3005 Computer Organization & Architecture+^ | 4 | EDPL 3010 Educational Planning: Advanced II +^ | 4 |
| CSCI 3020 Operating Systems + | 4 | Liberal Arts and Science elective ^ | 4 |
| INFS 3015 Economic Issues & Strategies for IT +^ | 4 | Liberal Arts and Science elective ^ | 4 |
| INFT 3005 Data Analytics + | 4 | MATH 110 Introduction to Discrete Math ^ | 4 |
| INFT 3030 Human-Computer Interaction +^ | 4 | | |

| | |
|---|---|
| INFT 3045 Social, Professional, and Ethical Issues in Computing +^ | 4 |
| INFT 3050 Systems Analysis and Design +^ | 4 |
| INFT 3065 Web Systems Development + | 4 |
| INFT 4015 Information Assurance + | 4 |
| MGIS 3010 Management Information Systems + or INFT 3035 Project Management + | 4 |
| CSCI 3000 Computer Operations and Security + | 4 |

**Total Empire State College Credit  60**

**Degree Program Total  124**

+ denotes an upper-division course

^ denotes a liberal arts and science course

**Notes**

SUNY Empire requires B.S. degree students to complete a minimum of 62 liberal arts and sciences credits. To satisfy SUNY General Education requirements, every SUNY Empire bachelor's degree program must include at least 30 credits in seven of ten general education knowledge and skill areas, as well as the areas of Mathematics and Basic Communication.  The ten areas include:

| | |
|---|---|
| Mathematics | Other World Civilizations |
| Natural Sciences | Humanities |
| Social Sciences | The Arts |
| American History | Foreign Languages |
| Western Civilizations | Basic Communications |

**Benefits for Rio Salado College Transfer Students**

Empire State College will provide the following benefits for participating RSC transfer students:

- Guaranteed admission to the B.S. in SMT: Information Technology degree program
- Provision of a one-time $100 *Better Together* transfer scholarship
- Waiver of the $50 admission / orientation fee
- Waiver of the admissions application essay
- Non-New York residents are eligible for an Empire State College nonresident tuition grant that significantly lowers their tuition rate

## www.esc.edu/Apply

**Enter this benefits code in the online application: ECPTCCOOS**

**For Further Information**

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## Rio Salado College – Empire State College Partnership Webpage