ROGERS STATE UNIVERSITY

B.S. Information Technology – Computer Network Administration

| Catalog Year | Department | Major Code | Required Hours | | | | | |
|---|---|--|--|--|--|--|--|--|
| 2023-2024 | Technology & Justice | BTCN | 120 | | | | | |
| | Studies | | | | | | | |
| GENERAL EDUCATION REQUIREMENTS (44 Credit Hours) | | | | | | | | |
| Code | Title | | Credit Hours | | | | | |
| First Year Experience: 2 Credit Hou | ırs | | | | | | | |
| UNIV 1152 | The University Experi | ence | 2 | | | | | |
| Communications: 9 Credit Hours | | | | | | | | |
| ENGL 1113 | Composition I | | 3 | | | | | |
| ENGL 1213 | Composition II | | 3 | | | | | |
| SPCH 1113 | Speech Communicati | on | 3 | | | | | |
| Social and Behavioral Sciences: 9 | | 022 | | | | | | |
| HIST 2483 | American History to 1 | | 3 | | | | | |
| or HIST 2493 POLS 1113 | American History Sin American Federal Go | | 3 | | | | | |
| | | 1113 Introduction to Psychology Recom | | | | | | |
| Science and Mathematics: 12 Crea | - | | | | | | | |
| BIOL XXX3 | Biological Science w/ | lah | 4 | | | | | |
| | | | | | | | | |
| PHYS XXX3 | Physical Science w/La | U | 4 | | | | | |
| MATH 1513 (or Higher) | College Algebra | | 3 | | | | | |
| Humanities: 6 Credit Hours | | | | | | | | |
| Choose two courses from the Humanitie | es General Education list - ART 1113 Art | Appreciation & HUM 2893 Cinema Recor | nmended 6 | | | | | |
| Global Studies: 3 Credit Hours | | | | | | | | |
| Choose one course from the Globa | l Studies General Education list - M | GMT 3013 Conflict Resolution Recommen | nded 3 | | | | | |
| Elective: 3 Credit Hours | | | | | | | | |
| | | | | | | | | |
| Choose one additional course from | | | 3 | | | | | |
| | | | | | | | | |
| | | NTS (77 Credit Hours) | | | | | | |
| Code | Title | INTS (77 Credit Hours) | Credit Hours | | | | | |
| Program Core Requirements: 35 C | Title Tredit Hours | | | | | | | |
| Program Core Requirements: 35 C CS 1113 | Title Tredit Hours Microcomputer Appli | cations | 3 | | | | | |
| Program Core Requirements: 35 C | Title redit Hours Microcomputer Appli Introduction to Comp | cations | | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 | Title Tredit Hours Microcomputer Appli | cations | 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I | cations | 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 2323 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II | cations | 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 2323 CS 3223 CS 3413 CS 3623 | Title Tedit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int | cations outing erface Development | 3 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3223 CS 3413 CS 3623 IT 1411 | Title Tedit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Compu | cations outing erface Development uter Technology | 3 3 3 3 3 3 3 3 3 1 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 | Title Tedit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Compu Introduction to Netw | cations outing erface Development uter Technology orking | 3 3 3 3 3 3 3 3 3 1 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 IT 2153 | Title Tedit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Compu Introduction to Netw Network Operating Systems Analysis | cations outing erface Development uter Technology orking ystems I | 3 3 3 3 3 3 3 3 3 1 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 IT 3723 | Title Tedit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Compu Introduction to Netw Network Operating Sy Computer Architectu | cations outing erface Development uter Technology orking ystems I re | 3 3 3 3 3 3 3 3 1 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 IT 2153 | Title Tedit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Compu Introduction to Netw Network Operating S Computer Architectu Practicum and Capsto | cations outing erface Development uter Technology orking ystems I re | 3 3 3 3 3 3 3 3 3 1 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 IT 3723 IT 4504 | Title Tedit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Compu Introduction to Netw Network Operating S Computer Architectu Practicum and Capsto | cations outing erface Development uter Technology orking ystems I re one | 3 3 3 3 3 3 3 3 1 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3413 CS 3623 IT 1411 IT 2153 IT 3723 IT 4504 Computer Network Administration | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Into Orientation to Computer Into Introduction to Network Operating Systems Analysis Computer Architectu Practicum and Capstor n Option: 42 Hours | cations outing erface Development uter Technology orking ystems I re one orensics & INVEST | 3 3 3 3 3 3 3 3 1 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3413 CS 3623 IT 1411 IT 2153 IT 3723 IT 4504 Computer Network Administration IT 2163 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Into Orientation to Computer Into Orientation to Network Operating Stream Network Operating Stream Practicum and Capstor INTRO to Computer F Network Operating Stream UNTRO to Computer F Network Operating Stream UNTRO to Computer F Network Operating Stream | cations outing erface Development uter Technology orking ystems I re one orensics & INVEST ystems II | 3 3 3 3 3 3 3 3 1 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3413 CS 3623 IT 1411 IT 2153 IT 3723 IT 4504 Computer Network Administration IT 3153 IT 3333 IT 4113 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Into Orientation to Computer Into Introduction to Network Operating Stream Network Operating Stream Practicum and Capstor INTRO to Computer F Network Operating Stream Cybersecurity Investig Network Routing | cations outing erface Development uter Technology orking ystems I re one orensics & INVEST ystems II gations | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3413 CS 3623 IT 1411 IT 2153 IT 3723 IT 4504 Computer Network Administration IT 3153 IT 3333 IT 4113 IT 4353 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Into Orientation to Computer Into Orientation to Network Operating Structure Network Operating Structure Practicum and Capstor INTRO to Computer F Network Operating Structure Vertice Applied INTRO to Computer F Network Operating Structure INTRO to Computer F Network Routing IA & Security Manage | cations outing erface Development uter Technology orking ystems I re one orensics & INVEST ystems II gations ement | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3223 CS 3623 IT 1411 IT 2153 IT 3723 IT 4504 Computer Network Administration IT 2163 IT 3153 IT 3333 IT 4113 IT 4353 IT 4373 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Introduction to Computer Introduction to Network Operating Sy Computer Architectu Practicum and Capstor n Option: 42 Hours INTRO to Computer Is Network Operating Sy Cybersecurity Investig Network Routing IA & Security Manage IA Regulations and Et | cations outing erface Development uter Technology orking ystems I re orensics & INVEST ystems II gations ement hics | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 IT 2153 IT 3723 IT 4504 Computer Network Administration IT 2163 IT 3333 IT 4113 IT 4353 IT 4373 IT 4443 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Computer Introduction to Network Network Operating Sy Computer Architectu Practicum and Capstor NOption: 42 Hours INTRO to Computer F Network Operating Sy Cybersecurity Investig Network Routing IA & Security Manage IA Regulations and Et FUND of INFO/Cyberse | cations buting erface Development uter Technology orking ystems I re orensics & INVEST ystems II gations ement hics security | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 2323 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 IT 2153 IT 3723 IT 4504 Computer Network Administration IT 2163 IT 3153 IT 3453 IT 4373 IT 4443 CS 2163 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Computer Int Orientation to Computer Int Orientation to Network Operating SY Computer Architectu Practicum and Capston INTRO to Computer F Network Operating SY Cybersecurity Investig Network Routing IA & Security Manage IA Regulations and Et FUND of INFO/Cybers Web Site Design and | cations buting erface Development uter Technology orking ystems I re orensics & INVEST ystems II gations ement hics security DEV | 3 3 3 3 3 3 3 3 1 3 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 2323 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 IT 2153 IT 3723 IT 4504 Computer Network Administration IT 2163 IT 3153 IT 4353 IT 4373 IT 4443 CS 2163 CS 3003 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Comput Introduction to Netw Network Operating SS Computer Architectu Practicum and Capston INTRO to Computer F Network Operating SS Cybersecurity Investig Network Routing IA & Security Manage IA Regulations and Et FUND of INFO/Cybers Web Site Design and Python Programming | cations puting erface Development iter Technology orking ystems I re one orensics & INVEST ystems II gations ement hics security DEV | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 2323 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 IT 2153 IT 3723 IT 4504 Computer Network Administration IT 2163 IT 3153 IT 3453 IT 4373 IT 4443 CS 2163 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Computer Int Orientation to Computer Int Orientation to Network Operating SY Computer Architectu Practicum and Capston INTRO to Computer F Network Operating SY Cybersecurity Investig Network Routing IA & Security Manage IA Regulations and Et FUND of INFO/Cybers Web Site Design and | cations nuting erface Development iter Technology orking ystems I re one orensics & INVEST ystems II gations ement hics security DEV n-Making Skills | 3 3 3 3 3 3 3 3 1 3 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 2323 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 IT 2153 IT 3723 IT 4504 Computer Network Administration IT 2163 IT 3153 IT 3333 IT 4413 IT 4353 IT 4443 CS 2163 CS 3003 TECH 3013 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Comput Introduction to Netw Network Operating St Computer Architectu Practicum and Capston n Option: 42 Hours INTRO to Computer F Network Operating St Cybersecurity Investig Network Routing IA & Security Manage IA Regulations and Et FUND of INFO/Cybers Web Site Design and Python Programming Leadership & Decisio Emerging Technologie | erface Development uting erface Development uter Technology orking ystems I re orensics & INVEST ystems II gations ement hics security DEV n-Making Skills 25 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 2323 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 IT 2153 IT 3723 IT 4504 Computer Network Administration IT 2163 IT 3153 IT 3333 IT 4413 IT 4443 CS 2163 CS 3003 TECH 3013 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Comput Introduction to Netw Network Operating SS Computer Architectu Practicum and Capston n Option: 42 Hours INTRO to Computer F Network Operating SS Cybersecurity Investig Network Routing IA & Security Manage IA Regulations and Et FUND of INFO/Cybers Web Site Design and Python Programming Leadership & Decisio Emerging Technologie Introduction to Risk M | erface Development uting erface Development uter Technology orking ystems I re orensics & INVEST ystems II gations ement hics security DEV n-Making Skills 25 | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | | | |
| Program Core Requirements: 35 C CS 1113 CS 1213 CS 2223 CS 2323 CS 3223 CS 3413 CS 3623 IT 1411 IT 2143 IT 2153 IT 3723 IT 4504 Computer Network Administration IT 3153 IT 3153 IT 4353 IT 4413 IT 4353 IT 4443 CS 2163 CS 3003 TECH 3013 TECH 3203 TECH 3213 MGMT 3423 | Title redit Hours Microcomputer Appli Introduction to Comp Programming I Programming II Data Modeling Systems Analysis Human-Computer Int Orientation to Comput Introduction to Netw Network Operating SS Computer Architectu Practicum and Capston n Option: 42 Hours INTRO to Computer F Network Operating SS Cybersecurity Investig Network Routing IA & Security Manage IA Regulations and Et FUND of INFO/Cybers Web Site Design and Python Programming Leadership & Decisio Emerging Technologie Introduction to Risk M | erface Development tter Technology orking ystems I re orensics & INVEST ystems II gations ement hics security DEV h-Making Skills 25 Management Vanagement Systems ation Systems | 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | | | |

| | Suggested Flair of Study | | | | | | | | | |
|------------|--------------------------|--------------------------------|-------|-----------------|-----------------------------------|-------|--|--|--|--|
| | FIRST SEMESTER | | | SECOND SEMESTER | | | | | | |
| | Code | Title | Hours | Code | Title | Hours | | | | |
| FRESHMAN | UNIV 1152 | The University Experience | 2 | CS 2223 | Programming I | 3 | | | | |
| | ENGL 1113 | Composition I | 3 | POLS 1113 | American Federal Government | 3 | | | | |
| | IT 1411 | Orientation to Computer TECH | 1 | MATH 1513 | College Algebra | 3 | | | | |
| | IT 2143 | Introduction to Networking | 3 | IT 2153 | Network Operating Systems I | 3 | | | | |
| FI | CS 1213 | Introduction to Computing | 3 | IT 2163 | INTRO to COMP Forensics & INVEST | 3 | | | | |
| | ART 1113 | Art Appreciation | 3 | | | | | | | |
| | | Credit Hours | 15 | | Credit Hours | 15 | | | | |
| | THIRD SEMESTER | | | FOURTH SEMESTER | | | | | | |
| RE | ENGL 1213 | Composition II | 3 | BIOL XXX3 | Biological Science w/Lab | 4 | | | | |
| ИС | CS 2323 | Programming II | 3 | SPCH 1113 | Speech Communication | 3 | | | | |
| NO' | CS 1113 | Microcomputer Applications | 3 | IT 4443 | FUND of INFO/Cybersecurity | 3 | | | | |
| SOPHOMORE | HIST XXXX | American History Gen-Ed | 3 | IT 3153 | Network Operating Systems II | 3 | | | | |
| SO | TECH 3023 | Emerging Technologies | 3 | IT 4353 | IA & Security Management | 3 | | | | |
| • / | | Credit Hours | 15 | | Credit Hours | 16 | | | | |
| | | FIFTH SEMESTER | | | SIXTH SEMESTER | | | | | |
| S | PHYS XXX3 | Physical Science w/Lab | 4 | MGMT 3013 | Conflict RESOL; I'm Always Right! | 3 | | | | |
| S | IT 3333 | Cybersecurity Investigations | 3 | HUM 2893 | Cinema | 3 | | | | |
| JUNIORCSCS | IT 4373 | IA Regulations and Ethics | 3 | XXXX | GENED Free Elective | 3 | | | | |
| | TECH 3013 | Leadership & DEC Making Skills | 3 | TECH 3203 | INTRO to Risk Management (S) | 3 | | | | |
| | CS 3413 | Systems Analysis | 3 | MGMT 3423 | Management INFO Systems | 3 | | | | |
| | | Credit Hours | 16 | | Credit Hours | 15 | | | | |
| SENIOR | | SEVENTH SEMESTER | | | EIGHTH SEMESTER | | | | | |
| | CS 2163 | Website Design & DEV | 3 | CS 3623 | Human Computer Interface (S) | 3 | | | | |
| | TECH 3213 | Enterprise Resource MGMT SYS | 3 | IT 4113 | Network Routing | 3 | | | | |
| | IT 3723 | Computer Architecture | 3 | CS 3223 | Data Modeling | 3 | | | | |
| | CS 3003 | Python Programming | 3 | IT 4504 | Practicum & Capstone | 4 | | | | |
| | PSY 1113 | INTRO to Psychology | 3 | | | | | | | |
| | | Credit Hours | 15 | | Credit Hours | 13 | | | | |

Suggested Plan of Study

"F" Denotes Fall Semester Only

"S" Denotes Spring Semester Only

CS 1213 - Introduction to Computing is a prerequisite for CS 2223

CS 2223 - Programming I is a prerequisite for CS 3223, CS 3413, & CS 3623

CS 2323 - Programming II is a prerequisite for CS 3333, CS 3363, & CS 3733 $\,$

CS 2163 - Website Design & DEV is a prerequisite for CS 4523 - ADV Web Systems Development

IT 2143 - Introduction to Networking is a prerequisite for IT 2153 - Network Operating Systems I

Contact Information

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Advising – <u>success@rsu.edu</u>

