

| MOUNTAIN STATE UNIVERSITY                                     |        |                                 |            | FRANKLIN UNIVERSITY   |        |  |            |
|---|--------|---------------------------------|------------|---|--------|--|------------|
| CURRICULUM FOR<br>BACHELOR OF SCIENCE- INFORMATION TECHNOLOGY |        |                                 |            | COURSES ACCEPTED IN TRANSFER FOR<br>BACHELOR OF SCIENCE- INFORMATION TECHNOLOGY |        |  |            |
| MOUNTAIN STATE COURSES  |        |                                 |            | FRANKLIN UNIVERSITY EQUIVALENT  |        |  |            |
| Dept.   | Number | Title                           | Credits    | Dept.   | Number | Title                                  | Credits    |
| CIS   | 120    | Computer Science I              | 3          | XXXX  | XXX    | University Elective                    | 3          |
| CIS   | 130    | Progr & Problem Solving/C++     | 3          | XXXX  | XXX    | University Elective                    | 3          |
| CIS   | 140    | Computer Architecture           | 3          | XXXX  | XXX    | University Elective                    | 3          |
| CIS   | 150    | Discrete Structures             | 3          | MATH  | 170    | Discrete Math                          | 3          |
| CIS   | 220    | Computer Science II             | 3          | XXXX  | XXX    | University Elective                    | 3          |
| CIS   | 230    | App Development Using VB.NET    | 3          | XXXX  | XXX    | University Elective                    | 3          |
| CIS   | 250    | Intro to Algorithms             | 3          | XXXX  | XXX    | University Elective                    | 3          |
| CIS   | 261    | Web Design & Development I      | 3          | COMP  | 107    | Intro to Web Authoring                 | 3          |
| CIS   | 262    | Web Design & Development II     | 3          | XXXX  | XXX    | University Elective                    | 3          |
| CIS   | 330    | Object-Oriented Progr/Java      | 3          | COMP  | 111    | Intro: Comp Sci/Obj-Oriented Prog      | 3          |
| CIS   | 335    | E-Commerce Management           | 3          | XXXX  | XXX    | University Elective                    | 3          |
| CIS   | 340    | Operating System Principles     | 3          | COMP  | 203    | Principles of Operating Systems        | 3          |
| CIS   | 360    | Database Management             | 3          | COMP  | 281    | Database Management Systems            | 3          |
| CIS   | 370    | Software Engineering            | 3          | XXXX  | XXX    | University Elective                    | 3          |
| CIS   | 425    | Practicum                       | 6          | XXXX  | XXX    | University Elective                    | 6          |
| CIS   | 435    | Multi-Tier Web Apps             | 3          | XXXX  | XXX    | Technical Elective                     | 3          |
| CIS   | 460    | Network Security                | 3          | XXXX  | XXX    | Technical Elective                     | 3          |
| CIS   | 480    | Special Topics                  | 3          | XXXX  | XXX    | University Elective                    | 3          |
| CIS   | 490    | Senior Capstone                 | 3          | XXXX  | XXX    | University Elective                    | 3          |
| MATH  | 130    | Plane Trigonometry              | 3          | XXXX  | XXX    | General Education Elective             | 3          |
| MATH  | 210    | Calculus I                      | 4          | MATH  | 180    | Calculus                               | 4          |
| MGMT  | 120    | Intro to Business & Tech Skills | 3          | XXXX  | XXX    | University Elective                    | 3          |
| XXXX  | XXX    | Computer Science Electives      | 15         | XXXX  | XXX    | University Electives                   | 15         |
| ENGL  | 220    | Technical Writing               | 3          | WRIT  | 320    | Business Communication                 | 3          |
| XXXX  | XXX    | Computer Proficiency Elective   | 3          | XXXX  | XXX    | University Elective                    | 3          |
| ENGL  | 101    | English Composition I           | 3          |   |        |  |            |
| <b>AND</b>  |        |                                 |            | WRIT  | 120    | College Writing                        | 6          |
| ENGL  | 102    | English Composition II          | 3          |   |        |  |            |
| XXXX  | XXX    | Humanities/ Fine Arts Electives | 6          | XXXX  | XXX    | Humanities Electives                   | 6          |
| MATH  | 116    | Elementary Statistics           | 3          | MATH  | 215    | Statistical Concepts                   | 3          |
| XXXX  | XXX    | Natural Science Electives       | 6          | SCIE  | XXX    | Science Electives (2) (1 Lab Required) | 6          |
| XXXX  | XXX    | Social Science Electives        | 9          | SOCL  | XXX    | Social Science Electives               | 9          |
| <b>Total Semester Hours:</b>                                  |        |                                 | <b>121</b> | <b>Total Semester Hours:</b>  |        |  | <b>121</b> |

| FRANKLIN UNIVERSITY   |        |                                  |           |
|---|--------|----------------------------------|-----------|
| COURSES TO BE COMPLETED AT FRANKLIN UNIVERSITY<br>BACHELOR OF SCIENCE- INFORMATION TECHNOLOGY |        |                                  |           |
| ADDITIONAL FRANKLIN UNIVERSITY COURSES  |        |                                  |           |
| Dept.   | Number | Title                            | Credits   |
| PF  | 321    | Learning Strategies              | 2         |
| HUMN  | 305    | Global Issues                    | 4         |
| SPCH  | 100    | Speech                           | 4         |
| HUMN  | 211    | Ethical Analysis/Reasoning       | 2         |
| MATH  | 380    | Probability & Statistics         | 4         |
| COMP  | 106    | Intro to Spreadsheets            | 1         |
| COMP  | 204    | Principles: Computer Networks    | 2         |
| ITEC  | 275    | Comp Networks: Swi, Rou, WANs    | 4         |
| ITEC  | 400    | UNIX Administration              | 4         |
| ITEC  | 430    | Info Tech Project Mgmt           | 4         |
| ITEC  | 495    | Info Tech Capstone               | 4         |
| MIS   | 310    | Info Syst. Architecture & Tech   | 4         |
| MIS   | 320    | Technical Communication          | 4         |
| ISEC  | 300    | Principles: Information Security | 4         |
| XXXX  | XXX    | Specialization Course #1         | 4         |
| XXXX  | XXX    | Specialization Course #2         | 4         |
| <b>Total Semester Hours:</b>  |        |                                  | <b>55</b> |

For Mountain State University students, a minimum of 30 semester hours must be completed at Franklin University for a bachelor's degree.