

## Westmoreland AS Computer Science to RMU BS Cybersecurity (Degree Requirements = 120 Credits)



| Westmoreland Degree Requirements                             |               |  | RMU Degree Requirements Equivalencies |               |   |         |
|--|---------------|--|---------------------------------------|---------------|---|---------|
| WESTMORELAND COURSEWORK                                      |               |  | RMU UNIVERSITY CORE REQUIREMENTS      |               |   |         |
| Designation  | Course Number | Course Title                                 | Designation                           | Course Number | Course Title                                    | Credits |
| ENG  | 161           | College Writing                              | CSEN                                  | 1010          | Reading & Writing Strategies                    | 3       |
| ENG  | 164           | Advanced Composition                         | CSEN                                  | 1020          | Argument & Research                             | 3       |
| SPC  | 155           | Effective Speech                             | CSCM                                  | 1030          | Public Speaking & Persuasion                    | 3       |
| ENG  | 255           | Introduction to Literature (Restricted Elec) | ENGL                                  | ___           | Literature Elective                             | 3       |
| ART or MUS   | 155           | Intro to Art History OR Music Listening      | HUMA                                  | 1010          | Humanities: Art and Music                       | 3       |
| CPT  | 150           | Microcomputer Concepts                       | INFS                                  | 1020          | Fundamentals Of Information Technology          | 3       |
| PSY  | 160           | General Psychology                           | PSYC                                  | 1010          | General Psychology                              | 3       |
| SOC  | 155           | Principles of Sociology                      | SOCI                                  | 1010          | Principles of Sociology                         | 3       |
| MTH  | 172           | Analytical Geometry & Calculus 1             | MATH                                  | 2040          | Finite Math & Applied Calculus                  | 3       |
| CHM OR PHY   | 155           | General Chem I OR College Physics I (4)*     | ___                                   | ___           | Natural Science Elective                        | 3       |
| PDV  | 101           | First Year Seminar                           | FYSP                                  | 1011          | Transition: College to Career                   | 1       |
| WESTMORELAND COURSEWORK                                      |               |  | RMU MAJOR REQUIREMENTS                |               |   |         |
| Designation  | Course Number | Course Title                                 | Designation                           | Course Number | Course Title                                    | Credits |
| CPT  | 145           | Intro to Computer Technology                 | CYBS                                  | 2010          | Computing Principles & Practices                | 3       |
| CPT  | 160           | Intro to Programming                         | INFS                                  | 2420          | Fundamentals of Programming                     | 3       |
| CPT  | 182           | Operating Systems                            | INFS                                  | 2020          | Operating Systems                               | 3       |
| CPT  | 163           | Java Programming I                           | INFS                                  | 3240          | Python Programming Language                     | 3       |
| MTH  | 277           | Discrete Mathematics                         | INFS                                  | 3450          | Discrete Mathematics for Computing              | 3       |
| WESTMORELAND COURSEWORK                                      |               |  | RMU OPEN ELECTIVES                    |               |   |         |
| Designation  | Course Number | Course Title                                 | Designation                           | Course Number | Course Title                                    | Credits |
| PHL  | 155           | Introduction to Logic                        | ___                                   | ___           | Open Elective                                   | 3       |
| CPT  | 213           | Java Programming II                          | ___                                   | ___           | Open Elective                                   | 3       |
| CHM OR PHY   | 156           | General Chem II OR College Physics II        | ___                                   | ___           | Open Elective                                   | 4       |
| MTH  | 158           | Pre-Calculus                                 | ___                                   | ___           | Open Elective                                   | 3       |
| MTH  | 160           | Introduction to Statistics                   | ___                                   | ___           | Open Elective                                   | 3       |
| RMU REMAINING COURSEWORK (Degree Requirements = 120 Credits) |               |  |                                       |               |   |         |
| Designation  | Course #      | Course Title                                 | Designation                           | Course #      | Course Title                                    |         |
| CSCM   | 2040          | Prof. Comm. in Workplace                     | HIST/POLS                             | ___           | History OR Political Science Elective           |         |
| ECON   | 1010          | Survey of Economics                          | CYBS                                  | 3120          | Introduction to Digital Forensics               |         |
| CYBS   | 2000          | Intro to Cybersecurity                       | CYBS                                  | 3170          | Cyberlaw  |         |
| INFS   | 3230          | Computer Networking                          | CYBS                                  | 3220          | Secure System Design                            |         |
| INFS   | 3235          | Network Security                             | CYBS                                  | 4350          | Cybersecurity Policies, Standards, & Compliance |         |
| INFS   | 4240          | Database Management Systems                  | CYBS                                  | 4360          | Emerging Topics in Cybersecurity                |         |
| CYBS   | 4250          | Data Security and Cryptography               | CYBS                                  | 4300          | Cybersecurity Risk Management                   |         |
| ___  | ___           | Concentration Requirement (1 of 4)**         | INFS                                  | 4370          | IT Governance & Ethics                          |         |
| ___  | ___           | Concentration Requirement (2 of 4)**         | ___                                   | ___           | Concentration Requirement (3 of 4)**            |         |
| ___  | ___           | Open Electives (1 credit)                    | ___                                   | ___           | Concentration Requirement (4 of 4)**            |         |

Minimum grade of "C" must be earned for transfer credit to be applied by RMU.

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|---|-----------|
| <b>TOTAL WESTMORELAND CREDITS APPLIED</b> | <b>63</b> |
| <b>TOTAL RMU CREDITS REMAINING</b>        | <b>57</b> |

\*1 credit from 4 credit course applied to Open Electives, only applies when 4 credit course completed at Westmoreland.

\*\* See [here](#) for course options.

For more information or to speak with an RMU Transfer Counselor, contact the [RMU Admissions Office](mailto:admissions@rmu.edu) at [admissions@rmu.edu](mailto:admissions@rmu.edu).