



School of Informatics, Humanities and Social Sciences  
Department of Computer and Information Systems

**BACHELOR OF SCIENCE (B.S.) IN INFORMATION SCIENCES (123 CREDITS)**

The study plan below is for guidance only. Always review your individual check sheet for your degree requirements.  
For full course descriptions, see the [RMU Course Catalog](#). A cumulative GPA of 2.00 or higher is required for graduation.  
For more information, contact: **Dr. Peter Wu, Department Head & Professor, Computer and Information Systems, at wu@rmu.edu**

**RMU CORE COURSES - 39 CREDITS REQUIRED**

|                  |                  |   |   |
|------------------|------------------|---|---|
| CSEN; or<br>CSCM | 1010; or<br>2050 | Reading & Writing Strategies; or<br>Intercultural Communications (Honors section: CSHR2050)   | 3 |
| CSEN             | 1020             | Argument & Research (Honors section: CSHR1025)  | 3 |
| CSCM             | 1030             | Public Speaking & Persuasion (Honors section: CSHR1030)   | 3 |
| CSCM             | 2040             | Professional Communication in Workplace (Honors section: CSHR2040)  | 3 |
| ECON             | 1010             | Survey of Economics (Honors section: ECON1015)  | 3 |
| HUMA             | 1010             | Humanities: Art and Music (Honors section: HUMA1015)  | 3 |
| INFS             | 1020             | Fundamentals of Information Technology (Honors section: INFS1025) – Minimum grade of “C” required   | 3 |
| STAT             | 2110             | Statistics  | 3 |
| PSYC             | 1010             | General Psychology (Honors section: PSYC1015)   | 3 |
| SOCI; or<br>SOCI | 1010; or<br>1020 | Principles of Sociology; or<br>Contemporary American Social Problems (Honors section: SOCI1025)   | 3 |
| HIST; or<br>POLS | ____; or<br>____ | History Elective Choose from: 1100 (Honors section: HIST1105), 1200, 1500, 1600, 1700, or 1800; or<br>Political Science Elective 1020 (Honors section: POLS1025)                                    | 3 |
| ENGL             | ____             | Literature Elective Choose from 1040, 1050, 1060, 2030, 2040, 2055 (HNRS: HNRS2065), or 2080  | 3 |
| ____             | ____             | Natural Science Elective Choose from BIOL1040, BIOL1050, BIOL1060, BIOL1250, BIOL1320, CHEM1220, ENVS1140, ENVS1160, ENVS1170, GEOL1090 (HNRS: GEOL1095), GEOL1100, GEOL1130, PHYS1060, or SCIE1020 | 3 |

**PROGRAM REQUIREMENTS - 9 CREDITS REQUIRED**

|      |      |   |   |
|------|------|---|---|
| INFS | 3450 | Quantitative Analysis for Information Systems Professionals | 3 |
| INFS | 4170 | Global, Econ, Soc, Ethical Issues in Computing              | 3 |
| MATH | 2040 | Finite Math and Calculus                                    | 3 |

**MAJOR - 30 CREDITS REQUIRED – Minimum grade of “C” must be earned for each course**

|      |                  |   |   |
|------|------------------|---|---|
| INFS | 2120; or<br>____ | Visual Basic Programming; or<br>2130, 2140, 2151, 2160, 2184, 3211, or 3212 | 3 |
| INFS | 2150             | Intro to Web Dev & E-Comm Tech  | 3 |
| INFS | 4150             | Web Application Development Using Asp.Net                                   | 3 |
| INFS | 3210             | Operating Systems Concepts  | 3 |
| INFS | 3220             | Systems Analysis and Design   | 3 |
| INFS | 3221             | Advanced Systems Analysis and Design  | 3 |
| INFS | 3230             | Network Data/Computer Communication   | 3 |
| INFS | 3235             | Computer and Network Security   | 3 |
| INFS | 4240             | Database Management Systems   | 3 |
| INFS | 4810             | Project Management  | 3 |
| INFS | 4860             | Program Outcomes Assessment   | 0 |

**GENERAL CONCENTRATION - 12 CREDITS REQUIRED -3000/4000 INFS courses in consultation with academic advisor  
Minimum grade of “C” must be earned for each course**

|      |      |   |   |
|------|------|---|---|
| ____ | ____ | General Concentration - Restricted Elective 1 | 3 |
| ____ | ____ | General Concentration - Restricted Elective 2 | 3 |
| ____ | ____ | General Concentration - Restricted Elective 3 | 3 |
| ____ | ____ | General Concentration - Restricted Elective 4 | 3 |

**AREA OF INTEREST - 15 CREDITS REQUIRED\* - Minimum grade of “C” must be earned for each course**

|      |      |  |   |
|------|------|--|---|
| ____ | ____ | Area of Interest - Restricted Elective 1 | 3 |
| ____ | ____ | Area of Interest - Restricted Elective 2 | 3 |
| ____ | ____ | Area of Interest - Restricted Elective 3 | 3 |
| ____ | ____ | Area of Interest - Restricted Elective 4 | 3 |
| ____ | ____ | Area of Interest - Restricted Elective 5 | 3 |

**OPEN ELECTIVES - 18 CREDITS MINIMUM REQUIRED**

|      |      |                 |   |
|------|------|-----------------|---|
| ____ | ____ | Open Elective 1 | 3 |
| ____ | ____ | Open Elective 2 | 3 |
| ____ | ____ | Open Elective 3 | 3 |
| ____ | ____ | Open Elective 4 | 3 |
| ____ | ____ | Open Elective 5 | 3 |
| ____ | ____ | Open Elective 6 | 3 |

\*Select from Accounting, Finance, Legal Environment, Management, Marketing or other Business disciplines and/or Organizational Leadership.