

**FALL SEMESTER 2251**

| Course No.    | Course Name                                | Credits | ECTS |
|---------------|--|---------|------|
| <b>YEAR 1</b> |  |         |      |
| GCIS-123      | Software Development and Problem Solving I | 4       | 6    |
| ISTE-140      | Web & Mobile I                             | 3       | 6    |
| ISTE-144      | Design for Developers                      | 3       | 6    |
| MATH-131      | Discrete Mathematics                       | 4       | 5    |
| PHIL-103      | Critical Thinking                          | 3       | 5    |
| YOPS-10       | RIT 365: RIT Connections                   | 0       | 0    |

|               |  |   |   |
|---------------|--|---|---|
| <b>YEAR 2</b> |  |   |   |
| ISTE-222      | Applied Data Structures and Algorithms | 3 | 6 |
| ISTE-260      | Designing the User Experience          | 3 | 5 |
| ISTE-340      | Client Programming                     | 3 | 6 |
| UWRT-150      | FYW: Writing Seminar                   | 3 | 5 |
| ISTE-099      | Second Year Seminar                    | 0 | 0 |

**CHOOSE 1 LANGUAGE COURSE BELOW:**

|          |                     |   |   |
|----------|---------------------|---|---|
| MLFR-201 | Beginning French I  | 4 | 5 |
| MLGR-201 | Beginning German I  | 4 | 5 |
| MLIT-201 | Beginning Italian I | 4 | 5 |
| MLSP-201 | Beginning Spanish I | 4 | 5 |

|               |                                   |   |   |
|---------------|-----------------------------------|---|---|
| <b>YEAR 3</b> |                                   |   |   |
| ISTE-341      | Server Programming                | 3 | 6 |
| ISTE-422      | Application Development Practices | 3 | 6 |
| PSYC-101      | Introduction to Psychology        | 3 | 5 |
| ENGL-210      | Literature and Cultural Studies   | 3 | 5 |

**CHOOSE 1 OF THE FOLLOWING OPTIONS:**
**OPTION 1: LANGUAGE IMMERSION (MUST)**

|          |                        |   |   |
|----------|------------------------|---|---|
| MLFR-301 | Intermediate French I  | 3 | 4 |
| MLGR-301 | Intermediate German I  | 3 | 4 |
| MLIT-301 | Intermediate Italian I | 3 | 4 |
| MLSP-301 | Intermediate Spanish I | 3 | 4 |

**OPTION 2: ONLY IF NOT COMPLETING A LANGUAGE IMMERSION**

|          |  |   |   |
|----------|--|---|---|
| ISTE-358 | Foundations of Wearable & Ubiquitous Computing (Free Elective) | 3 | 6 |
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| <b>YEAR 4</b> |   |   |   |
| ISTE-454      | Concentration Mobile 1: Mobile Applications Development I | 3 | 6 |
| ISTE-500      | Senior Development Project I                              | 3 | 6 |
| ENVS-151      | Scientific Inquiries in Environmental Science             | 4 | 5 |
| PSYC-223      | Cognitive Psychology(Mandatory for Psychology Immersion)  | 3 | 5 |

**CHOOSE 1 OF THE FOLLOWING OPTIONS AS A FREE ELECTIVE:**

|          |                      |   |   |
|----------|----------------------|---|---|
| ANTH-328 | Heritage and Tourism | 3 | 5 |
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**OR**

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| ANTH-210 | Culture and Globalization | 3 | 5 |
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**OR**

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| ISTE-438 | Contemporary Databases | 3 | 6 |
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**WMC CONCENTRATIONS (NEED BOTH FOR GRADUATION):**

|  |   |        |      |
|--|---|--------|------|
| <b>WEB APPLICATION DEVELOPMENT (JUNIOR YEAR)</b> |   | Credit | ECTS |
| ISTE-442   | Secure Web Application Development        | 3      | 6    |
| ISTE-444   | Web Server Development and Administration | 3      | 6    |

|   |                                   |         |      |
|---|-----------------------------------|---------|------|
| <b>MOBILE APPLICATION DEVELOPMENT (SENIOR YEAR)</b> |                                   | Credits | ECTS |
| ISTE-454  | Mobile Application Development I  | 3       | 6    |
| ISTE-456  | Mobile Application Development II | 3       | 6    |

**SPRING SEMESTER 2255**

| Course No.    | Course Name                                 | Credits | ECTS |
|---------------|---|---------|------|
| <b>YEAR 1</b> |   |         |      |
| GCIS-124      | Software Development and Problem Solving II | 4       | 6    |
| ISTE-240      | Web & Mobile II                             | 3       | 6    |
| ISTE-230      | Introduction to Database and Data Modeling  | 3       | 6    |
| MATH-161      | Applied Calculus                            | 4       | 5    |
| UWRT-100      | Critical Reading and Writing                | 3       | 5    |

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| <b>YEAR 2</b> |   |   |   |
| ISTE-252      | Foundations of Mobile Design            | 3 | 5 |
| ISTE-330      | Database Connectivity and Access        | 3 | 6 |
| NSSA-290      | Networking Essentials for Developers    | 3 | 5 |
| SWEN-383      | Software Design Principles and Patterns | 3 | 6 |

**CHOOSE 1 LANGUAGE COURSE BELOW:**

|          |                      |   |   |
|----------|----------------------|---|---|
| MLFR-202 | Beginning French II  | 4 | 5 |
| MLGR-202 | Beginning German II  | 4 | 5 |
| MLIT-202 | Beginning Italian II | 4 | 5 |
| MLSP-202 | Beginning Spanish II | 4 | 5 |

**Summer 2248:**

|          |        |   |    |
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| ISTE-499 | COOP 1 | 0 | 12 |
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| <b>YEAR 3</b> |  |   |   |
| ISTE-442      | Concentration Web 1: Secure Web Application Development        | 3 | 6 |
| ISTE-444      | Concentration Web 2: Web Server Development and Administration | 3 | 6 |
| ENVS-150      | Ecology of the Dalmatian Coast                                 | 4 | 5 |
| PHIL-202      | Foundations of Moral Philosophy                                | 3 | 5 |

**CHOOSE 1 OF THE FOLLOWING OPTIONS:**
**OPTION 1: LANGUAGE IMMERSION (MUST)**

|          |                         |   |   |
|----------|-------------------------|---|---|
| MLFR-302 | Intermediate French II  | 3 | 4 |
| MLGR-302 | Intermediate German II  | 3 | 4 |
| MLIT-302 | Intermediate Italian II | 3 | 4 |
| MLSP-302 | Intermediate Spanish II | 3 | 4 |

**OPTION 2: PSYCHOLOGY IMMERSION (MUST)**

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| PSYC-225 | Social Psychology | 3 | 5 |
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**Summer 2248:**

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|----------|--------|---|----|
| ISTE-499 | COOP 2 | 0 | 12 |
|----------|--------|---|----|

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|---------------|--|---|---|
| <b>YEAR 4</b> |  |   |   |
| ISTE-456      | Concentration Mobile 2: Mobile Applications Development II | 3 | 6 |
| ISTE-501      | Senior Development Project II                              | 3 | 6 |
| PHIL-202      | Foundations of Moral Philosophy                            | 3 | 5 |
| PSYC-221      | Psychological Disorders                                    | 3 | 5 |

**CHOOSE 1 OF THE FOLLOWING OPTIONS:**

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|----------|----------------------------------|---|---|
| ISTE-432 | Database Application Development | 3 | 6 |
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**OR**

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| ISTE-470 | Data Mining and Exploration | 3 | 6 |
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**OR**

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| PHIL-311 | East Asian Philosophy | 3 | 5 |
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**OR**

|          |                   |   |   |
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| SOCI-230 | Sociology of Work | 3 | 5 |
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**OR**

|          |                 |   |   |
|----------|-----------------|---|---|
| COMM-201 | Public Speaking | 3 | 5 |
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