

## Computer and Information Science Course Offering for Online Program

| Session 1 |                                      |
|-----------|--------------------------------------|
| Course ID | Course Title                         |
| EN151-ON  | Rhetoric and Styles                  |
| BL103-ON  | Introduction to General Biology      |
| CI 101-ON | Computer Technology and Applications |

| Session 2 |                                 |
|-----------|---------------------------------|
| Course ID | Course Title                    |
| EN152-ON  | Writing from Sources            |
| MT153-ON  | General Education Math          |
| CI213-ON  | Desktop Spreadsheet Application |

| Session 3 |                            |
|-----------|----------------------------|
| Course ID | Course Title               |
| EN157-ON  | Practical Research Writing |
| MT155-ON  | Intermediate Algebra       |
| CI221-ON  | PYTHON I                   |

| Session 4 |                            |
|-----------|----------------------------|
| Course ID | Course Title               |
| MT158-ON  | College Algebra            |
| HM279-ON  | East-West Signature Course |
| CI251-ON  | PYTHON II                  |

| Session 5 |                               |
|-----------|-------------------------------|
| Course ID | Course Title                  |
| MT160-ON  | Elementary Plane Trigonometry |
| EN166-ON  | Speech                        |
| CI320-ON  | Data Structures               |

| Session 6 |                          |
|-----------|--------------------------|
| Course ID | Course Title             |
| MT201-ON  | Calculus I               |
| BS101-ON  | Introduction To Business |
| CI340-ON  | Artificial Intelligence  |

| Session 7 |                                        |
|-----------|----------------------------------------|
| Course ID | Course Title                           |
| MT215-ON  | Introduction to Linear Algebra         |
| CI275-ON  | Computer Organization and Architecture |
| CI345-ON  | Machine Learning                       |

| Session 8 |                                           |
|-----------|-------------------------------------------|
| Course ID | Course Title                              |
| CI321-ON  | Computer Operating Systems                |
| CI301-ON  | Data Communications                       |
| CI328-ON  | Introduction to Data Science and Big Data |

| Session 9          |                          |
|--------------------|--------------------------|
| Course ID          | Course Title             |
| CI215-ON /CI216-ON | JAVA I/ C# I             |
| CI310-ON           | Principles of Database   |
| DM290-ON           | Digital Video Production |

| Session 10         |                                 |
|--------------------|---------------------------------|
| Course ID          | Course Title                    |
| CI245-ON /CI246-ON | JAVA II/ C# II                  |
| CI354-ON           | SQL Server Database Programming |
| DM260-ON           | Digital Imaging: Photoshop I    |

| Session 11 |                             |
|------------|-----------------------------|
| Course ID  | Course Title                |
| HM491-ON   | Senior Seminar              |
| CI220-ON   | Cyber Ethics                |
| CI351-ON   | Natural Language Processing |

| Session 12 |                         |
|------------|-------------------------|
| Course ID  | Course Title            |
| CI492-ON   | Senior Project          |
| DM240-ON   | Computer Graphic Design |
| CI256-ON   | HTML5                   |

| Session 13 |                            |
|------------|----------------------------|
| Course ID  | Course Title               |
| PS101-ON   | Introduction to Psychology |
| SC101-ON   | Introduction to Sociology  |
| ELECTIVE   |                            |

| Session 14 |              |
|------------|--------------|
| Course ID  | Course Title |
| BL         | BL           |
| BHS        | BHS          |
| BHS        | BHS          |

| Session 15 |              |
|------------|--------------|
| Course ID  | Course Title |
| ELECTIVE   |              |
| ELECTIVE   |              |
| ELECTIVE   |              |

All sessions are seven weeks each followed by one week break.  
 Program can be completed in two and half years (15 sessions).

Gen Ed  
 CIS Core Courses  
 CIS Specialist Courses