# DAVENPORT UNIVERSITY

**COMPUTER INFORMATION SYSTEMS (BS)**

**CO-OP OPTION**

**2017-2018 RECOMMENDED PROGRAM SEQUENCE (Full-time)**

**120 CREDITS**

CIS CO-OP BS

## FRESHMAN YEAR

| **Fall Semester** | | **(16 credits)** | **Winter Semester** | | **(12 credits)** |
|---|---|---|---|---|---|
| MATH150 | Pre-Calculus | 4 | CISP247 | Database Design | 3 |
| CISP111 | Requirements Planning and Development | 3 | | | |
| ENGL109 | Composition | 3 | ENGL110 | Advanced Composition | 3 |
| ACES100 | Achieving Career and Education Success | 3 | CSCI232 or CSCI234 or CSCI239 | Object-Oriented Programming with C++ or Object-Oriented Programming with C# or Object-Oriented Programming with Java | 3 |
| CSCI231 | Introduction to Programming | 3 | CIOP197 | CIS Co-op Professional Success Seminar | 3 |

| **Summer Semester** | | **(6 credits)** |
|---|---|---|
| CIOP297 | Computer Information Systems Co-op Level I | 6 |

## SOPHOMORE YEAR

| **Fall Semester** | | **(12 credits)** | **Winter Semester** | | **(12 credits)** |
|---|---|---|---|---|---|
| COMM120 | Presentation Techniques | 3 | CISP309 | Database Systems | 3 |
| CSCI232 or CSCI234 or CSCI239 | Object-Oriented Programming with C++ or Object-Oriented Programming with C# or Object-Oriented Programming with Java | 3 | SOSC201 | Diversity in Society | 3 |
| MATH250 | Discrete Structure | 3 | CSCI312 | Data Structures | 3 |
| MGMT211 | Management Foundations | 3 | CISP220 | Web Page Applications | 3 |

**Summer Semester**           **(6 credits)**

| | | |
|---|---|---|
| CIOP397 | Computer Information Systems Co-op Level II | 6 |

## JUNIOR YEAR

**Fall Semester**   **(12 credits)**     **Winter Semester**   **(13 credits)**

| Fall Code | Fall Course | Cr. | Winter Code | Winter Course | Cr. |
|---|---|---|---|---|---|
| ACCT200 | Accounting Principles | 3 | MATH215 | Calculus I | 4 |
| BUSN210 | Professional Ethics | 3 | STAT220 | Introduction to Statistics | 3 |
| CISP238 | Server Side Scripting I | 3 | CISP211 | E-Business | 3 |
| CISP340 | Mobile Application Development I | 3 | GPMT287 | Principles of Project Management | 3 |

**Summer Semester**           **(7 credits)**

| | | |
|---|---|---|
| CIOP497 | Computer Information Systems Co-op Level III | 7 |

## SENIOR YEAR

**Fall Semester**   **(12 credits)**     **Winter Semester**   **(12 credits)**

| Fall Code | Fall Course | Cr. | Winter Code | Winter Course | Cr. |
|---|---|---|---|---|---|
| CSCI430 | Operating Systems | 3 | CISP410 | Systems Integration | 3 |
| CISP401 | Systems Analysis and Design | 3 | SOSC301 | Globalization and World Diversity | 3 |
| CSCI342 | Advanced Object-Oriented Programming | 3 | DATA275 | Data Analytics and Methods | 3 |
| CSCI420 | Distributed Architecture | 3 | ENGL311 | Professional Writing | 3 |

This information is subject to change and cannot be considered an agreement or contract between individual students and Davenport University.  Refer to the current University catalog to confirm degree requirements.