

NORTH CENTRAL STATE COLLEGE

Information Technology – Software Development Major 2014-2015

| FALL | | | | YEAR ONE |
|------------------------------|---------------|--|--|-----------------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | ENGL 1010 | English Composition I | WRIT 0090 and READ 0080 * | 3 |
| | ITEC 1810 | Microsoft Office for IT Professionals | CISS 1020 or pass Computer Literacy Assessment | 3 |
| | ITEC 1820 | HTML/CSS | MATH 1030c (minimum grade of C-) | 3 |
| | ITEC 1830 | Mobile App Development | MATH 1030c or MATH1010c | 3 |
| | MATH 1030 | Variable Relationships: Algebra and Graphing | MATH 0074 (minimum grade of C-) or COMPASS Algebra score of ≥ 31 or ACT Math score of ≥ 21 | 3 |
| Semester Credit Hours | | | | 15 |

| SPRING | | | | YEAR ONE |
|------------------------------|---------------|---|--|-----------------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | BUSM 1230 | E-Commerce | | 3 |
| | BUSM 1260 | Project Management | | 3 |
| | ENGL 1030 | English Composition II | ENGL 1010 (minimum grade of C-) | 3 |
| | ITEC 1850 | Database Design and Management | ITEC 1870m, MATH 1030 (minimum grade of C-) | 3 |
| | ITEC 1870 | Structured Query Language with SQL Server | ITEC 1850m, MATH 1030 (minimum grade of C-) | 3 |
| | ITEC 1890 | JavaScript Programming | MATH 1030 (minimum grade of C-), ITEC 1820 (minimum grade of C-) | 3 |
| Semester Credit Hours | | | | 18 |

| FALL | | | | YEAR TWO |
|------------------------------|---------------|-------------------------------|--|-----------------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | | Humanities Elective | | 3 |
| | ACCT 1010 | Financial Accounting | | 4 |
| | COMM 1010 | Speech | | 3 |
| | ITEC 2810 | Visual Basic .NET Programming | MATH 1030 (minimum grade of C-) | 3 |
| | ITEC 2830 | Open Source Web Applications | ITEC 1890 (minimum grade of C-), MATH 1030 (minimum grade of C-) | 3 |
| Semester Credit Hours | | | | 16 |

| SPRING | | | | YEAR TWO |
|------------------------------|---------------|--|--|-----------------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | BUSM 2230 | Business Ethics | ENGL 1010 | 3 |
| | ITEC 2850 | ASP.NET Web Applications | MATH 1030 (minimum grade of C-) | 3 |
| | ITEC 2870 | Java Programming | MATH 1030 (minimum grade of C-) | 3 |
| | ITEC 2900 | Capstone Course for Software Development | ITEC 2830 (minimum grade of C-), ENGL 1030, MATH 1030 (minimum grade of C-), COMM 1010 | 3 |
| | ITEC _____ | Certification Technical Elective | See below | 1 |
| | PSYC 1010 | Introduction to Psychology | | 3 |
| Semester Credit Hours | | | | 16 |
| TOTAL SEMESTER HOURS | | | | 65 |

c = Can be concurrent m = Must be concurrent

Information Technology – Software Development Major Curriculum Worksheet

| CERTIFICATION TECHNICAL ELECTIVES | | | | |
|-----------------------------------|---------------|---|---------------------------------|---------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | ITEC 2901 | Certification Preparation for CIW JavaScript Specialist Exam | ITEC 1890 (minimum grade of C-) | 1 |
| | ITEC 2902 | Certification Preparation for CIW Perl Specialist Exam | | 1 |
| | ITEC 2903 | Certification Preparation for CIW Database Design Specialist Exam | ITEC 1850 (minimum grade of C-) | 1 |
| | ITEC 2904 | Certification Preparation for Microsoft Exam 70-486 Exam: Developing ASP.NET MVC 4 Web Applications | ITEC 1850 (minimum grade of C-) | 1 |
| | ITEC 2905 | Certification Preparation for Microsoft Exam 70-480: Programming in HTML5 with JavaScript and CSS3 | ITEC 1850 (minimum grade of C-) | 1 |
| | ITEC 2906 | Certification Preparation for Microsoft Exam 70-487: Developing Windows Azure and Web Services | ITEC 1850 (minimum grade of C-) | 1 |

| HUMANITIES ELECTIVES | | | | |
|----------------------|---------------|--------------------------------------|---------------|---------|
| Complete | Course Number | Course Title | Prerequisites | Credits |
| | ARTS 1030 | Art Appreciation | | 3 |
| | HIST 1010 | American Culture & History to 1877 | READ 0080 ^ | 3 |
| | HIST 1030 | American Culture & History from 1877 | | 3 |
| | HUMA 1010 | Introduction to Humanities | | 3 |
| | HUMA 1030 | Leadership & the Classics | | 3 |
| | HUMA 2999 | Special Topics in Humanities | | 3 |
| | MUSC 1010 | Music Appreciation | | 3 |
| | PHIL 1010 | Western Philosophy | | 3 |
| | PHIL 1030 | Philosophy of Religion | | 3 |
| | PHIL 1050 | American Philosophy | | 3 |
| | PHIL 1070 | Science, Art & Literature | | 3 |
| | PHIL 1090 | The History of the Future | | 3 |
| | PHIL 1110 | Ethics | | 3 |
| | PHIL 1130 | Philosophy & Science | | 3 |
| | PHIL 1170 | Eastern Philosophy | | 3 |
| | PHIL 2999 | Special Topics in Philosophy | | 3 |
| | THEA 1010 | Intro To Theatre | | 3 |

c = Can be concurrent m = Must be concurrent

- * COMPASS Writing ≥81 or 69-80 plus eWrite of 6 or ACT English ≥22 or 18-21 plus eWrite of 6 or WRIT 0090 and COMPASS Reading ≥80 or READ 0080
- ** Mandatory Math Placement - All incoming students will be required to take the COMPASS placement test and based on their COMPASS scores, students will be placed in appropriate mathematics courses. Successful completion (C- or better) of any math course is required in order to advance to the next higher level math course.
- ~ Prior to graduation, all students entering after Summer 2008, must receive credit for MATH 0074 Introduction to Algebra, or any math course above MATH 0074 or a COMPASS Algebra score of ≥31, or an ACT Math score ≥21.
- ^ Placement in WRIT 0090 or higher; students placed in READ 0080 cannot enroll in HUMA1010 until they have completed their reading course.

The College strongly recommends that students be covered by hospitalization insurance, which can be purchased through a private carrier. To obtain a brochure regarding insurance, contact the Student Success Center. (Rm 103 Kee Hall) or call toll free 888-755-4899, ext. 4761 or locally 419-755-4761.

Beginning Academic Year 14/15 FYEX 0050 SUCCESS! is required for all students new to North Central State College. Placement in the course is determined at the time of study skills assessment testing.