

**SAMPLE COURSE PLAN FOR
COMPUTER SCIENCE MAJOR, COMPUTER SCIENCE EMPHASIS
BACHELOR OF SCIENCE DEGREE**

FIRST YEAR

| FIRST SEMESTER | | | SECOND SEMESTER | | |
|----------------|-------------------------------------|---------|-----------------|--|---------|
| Subj/Course | Title | Credits | Subj/Course | Title | Credits |
| CS 221 | Obj-Oriented Design and Programming | 3 | CS 262 | Obj-Oriented Design and Programming II | 4 |
| Math 171 | Calculus I | 4 | Math 172 | Calculus II | 4 |
| GEN ED | Lab Science I (NS) | 4 | GEN ED | Lab Science II (NS) | 4 |
| GEN ED | Composition/WBIS 188 | 3 | GEN ED | Social Science (SS) | 3 |
| GEN ED | Physical Education 105 | 2 | | | |
| | | | | | |
| TOTAL | | 16 | TOTAL | | 15 |

SECOND YEAR

| FIRST SEMESTER | | | SECOND SEMESTER | | |
|----------------|--------------------------|---------|-----------------|------------------------------------|---------|
| Subj/Course | Title | Credits | Subj/Course | Title | Credits |
| CS 251 | Comp Organ and Assb Lang | 3 | CS 331 | Programming Languages | 3 |
| CS 271 | Data Structures | 4 | Physics 311 | Digital Instrumentation | 4 |
| Math 212 | Math for CS | 3 | GEN ED | Non-Western Culture(NW) | 3 |
| GEN ED | Communication 111 | 3 | GEN ED | Social Sciences – Non-History (SS) | 3 |
| GEN ED | History (SS) | 3 | GEN ED | Humanities –Literature(HU) | 3 |
| | | | | | |
| TOTAL | | 16 | TOTAL | | 16 |

THIRD YEAR

| FIRST SEMESTER | | | SECOND SEMESTER | | |
|----------------|---------------------------|---------|-----------------|-----------------------------|---------|
| Subj/Course | Title | Credits | Subj/Course | Title | Credits |
| Math 301 | Prob and Stats | 3 | CS 421 | Operating Systems | 4 |
| CS 310 | Computer Architecture | 3 | CS 350 | Ethical Issues in Computing | 1 |
| CS 321 | Files Structures | 3 | CS | Upper Level Elective | 3 |
| GEN ED | Adv English Composition | 3 | GEN ED | Ethnic Studies (ES) | 3 |
| GEN ED | Humanities – Phil/RS (HU) | 3 | | Elective | 3 |
| | | | | | |
| TOTAL | | 15 | TOTAL | | 14 |

FOURTH YEAR

| FIRST SEMESTER | | | SECOND SEMESTER | | |
|----------------|-----------------------------|---------|-----------------------|----------------------------|---------|
| Subj/Course | Title | Credits | Subj/Course | Title | Credits |
| CS 431 | Compilers | 4 | CS 399/490 | Internship/Practicum | 3 |
| CS | Upper Level Elective | 3 | Interdisciplinary 208 | Professional Career Skills | 1 |
| GEN ED | Humanities – Fine Arts (HU) | 3 | CS 381 | Theory of Computing | 3 |
| GEN ED | Social Science (SS) | 3 | GEN ED | Humanities - Any (HU) | 3 |
| | Elective | 3 | GEN ED | Social Science (SS) | 3 |
| | | | | | |
| TOTAL | | 16 | TOTAL | | 13 |

*This is a sample schedule that is not intended to substitute for academic advising. For information about other options, students are strongly urged to consult with an academic advisor.

*A minimum of 120 credits are required to earn a Bachelor's degree at UW Oshkosh of which a minimum of 35 credits must be upper level (300-400#), 42 upper-level credits are required for education majors.

*This course plan assumes no remedial course work is required

*This course plan assumes student meets all course prerequisites and program requirements to progress in the major (ie: GPA, Math placement, etc.)

*Students are strongly urged to consult with an academic advisor to learn about non-course requirements (ie: portfolios, tests, internships, etc.)