**THE UNIVERSITY OF PUGET SOUND**

2015-2016 CURRICULUM GUIDE

**COMPUTER SCIENCE**

DEGREE: BS

CONTACT PERSON: MICHAEL SPIVEY

|  |  |  |
| --- | --- | --- |
|  | **A suggested four-year program:** |  |
| *Fall Semester Classes* |  | *Spring Semester Classes* |  |
|  |  |  |  |
| **Freshman** | **Units** |  | **Units** |
|  |  |  |  |
| SSI 1 |  | 1 | SSI 2 | 1 |
|  |  |  |  |  |
| CSCI 161 (MA core) |  | 1 | CSCI 261 | 1 |
|  |  |  |  |  |
| Elective |  | 1 | MATH 210 | 1 |
|  |  |  |  |  |
| FL (if needed) or elective  |  | 1 | FL (if needed) or elective  | 1 |
|  |  |  |  |  |
|  |  |  |  |
| **Sophomore** | **Units** |  | **Units** |
|  |  |  |  |
| CSCI 240 |  | 1 | CSCI 291 | 1 |
|  |  |  |  |  |
| CSCI 281 |  | 1 | CSCI 361 | 1 |
|  |  |  |  |  |
| Approaches core |  | 1 | Approaches core | 1 |
|  |  |  |  |  |
| Elective |  | 1 | Elective | 1 |
|  |  |  |  |  |
|  |  |  |  |  |
| **Junior** | **Units** |  | **Units** |
|  |  |  |  |
| CSCI 300-400 level (see over) |  | 1 | CSCI 300-400 level (see over) | 1 |
|  |  |  |  |  |
| Elective |  | 1 | Elective | 1 |
|  |  |  |  |  |
| Approaches core |  | 1 | Approaches core | 1 |
|  |  |  |  |  |
| Elective |  | 1 | Elective | 1 |
|  |  |  |  |  |
|  |  |  |  |  |
| **Senior** | **Units** |  | **Units** |
|  |  |  |  |
| Elective |  | 1 | CSCI 440 | 1 |
|  |  |  |  |  |
| Elective |  | 1 | Elective | 1 |
|  |  |  |  |  |
| CN core |  | 1 | Elective | 1 |
|  |  |  |  |  |
| Elective |  | 1 | Elective | 1 |
|  |  |  |  |  |
|  |  |  | **Puget Sound requires a total of 32 units to graduate.** |  |

**NOTES:**

There are two options for the Computer Science major: the contract option and the standard option.

**Contract option**: Each contract will consist of: (1) Between 8 and 16 units with no more than 10 units in computer science. (2) CSCI 161, 261, 281. (3)Completion of MATH 210. (4) At least five-upper-division (300-400 level) units in computer science. One unit may be from a field other than computer science provided the course has sufficient computer science content. Two units of proof-based or writing courses in computer science must be included. Contract must be finalized in consultation with the advisor and a departmental committee before the first contract upper-division course is completed.

**Standard option**: (1) Completion of CSCI 161, 261, 240. (2) Completion of MATH 210, CSCI 281, 291, 361. (3) At least two upper-division (300-400 level)units in computer science. (4) Completion of the Capstone CSCI 440.

**THE UNIVERSITY OF PUGET SOUND**

COURSE CHECKLIST

**COMPUTER SCIENCE**

**CORE CURRICULUM** **MAJOR REQUIREMENTS**

|  |  |
| --- | --- |
| UNIVERSITY CORE | CRS TERM GRADE |

SSI1

SSI2

AR

HM

MA (CSCI 161, 261; MATH 180, 181)

NS

SL

CN

**KEY**

SSI1= Seminar in Scholarly Inquiry1 MA= Mathematical Approaches

SSI2= Seminar in Scholarly Inquiry2 NS= Natural Scientific Approaches

AR= Artistic Approaches SL= Social Scientific Approaches

HM= Humanistic Approaches CN= Connections

FL= Foreign Language

**Foreign Language Requirement** (circle one)

1. Two semesters at 101/102 level or One semester at 200+ level
2. Proficiency exam (3rd year high school level or 1st year college level)
3. AP foreign language score of 4 or 5
4. IB higher level foreign language score of 5, 6, or 7

**Upper Division Level Requirement**

Three units at the upper division level outside the first major.

**KNOWledge, Identity, and Power Requirement**

One course. See Bulletin for details. Courses may also fulfill other program or graduation requirements.

|  |  |  |  |
| --- | --- | --- | --- |
| COURSE | UNITS | TERM | GRADE |
|  |  |  |  |
| MATH 2101 |  |  |  |
|  |  |  |  |
| CSCI 161 |  |  |  |
|  |  |  |  |
| CSCI 261 |  |  |  |
|  |  |  |  |
| CSCI 240 |  |  |  |
|  |  |  |  |
| CSCI 2811 |  |  |  |
|  |  |  |  |
| CSCI 291 |  |  |  |
|  |  |  |  |
| CSCS 361 |  |  |  |
|  |  |  |  |
| CSCI 300-400 level: |  |  |  |
|  |  |  |  |
| 1. |  |  |  |
|  |  |  |  |
| 2. |  |  |  |
|  |  |  |  |
| CSCI 440 |  |  |  |
|  |  |  |  |

**THIS FORM IS**

**NOT AN**

**OFFICIAL GRADUATION ANALYSIS**

**NOTES**

Majors must maintain a minimum 2.0 GPA in all contract courses and in all upper-division courses. At least three units of upper-division contract courses must be completed at Puget Sound (one of these three units may be taken as part of a study abroad program, subject to prior approval by the student's contract committee). A grade of C- or better is required in all prerequisite courses in Math and Computer Science.

1. Students majoring in Computer Science are encouraged to take MATH 210 in the first two years, preferably concurrently with CSCI 281.

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