# MODULAR DEGREE PLAN:

# SOFTWARE DESIGN

## Specialization (Computing) – BCMPH

| NEW PLAN | | |
|---|---|---|
| **Software Design – Specialization (Computing) – BCMPH** | | |
| SODE-P | | |
| Code | Title | Units |
| *1. Core* | | |
| **A. Complete the following:** | | |
| CISC 102 | Discrete Structures I | 3.00 |
| CISC 121 | Introduction to Computing Science I | 3.00 |
| CISC 124 | Introduction to Computing Science II | 3.00 |
| **B. Complete 3.00 units from the following:** | | **3.00** |
| MATH 110 | Linear Algebra | |
| MATH 112 | Introduction to Linear Algebra | |
| **C. Complete 3.00 units from the following:** | | **3.00** |
| CISC 171 | Computational Probability and Statistics | |
| STAT 263 | Introduction to Statistics | |
| STAT 268 | Statistics and Probability I | |
| STAT_Options | | |
| **D. Complete the following:** | | |
| CISC 203 | Discrete Structures II | 3.00 |
| CISC 204 | Logic for Computing Science | 3.00 |
| CISC 220 | System-Level Programming | 3.00 |
| CISC 221 | Computer Architecture | 3.00 |
| CISC 223 | Software Specifications | 3.00 |
| CISC 235 | Data Structures | 3.00 |
| **E. Complete the following:** | | |
| CISC 324 | Operating Systems | 3.00 |
| CISC 360 | Programming Paradigms | 3.00 |
| CISC 365 | Algorithms I | 3.00 |

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| F. Complete the following: | | |
|---|---|---|
| CISC 325 | Human-Computer Interaction | 3.00 |
| CISC 327 | Software Quality Assurance | 3.00 |
| CISC 422 | Formal Methods in Software Engineering | 3.00 |
| CISC 423 | Software Requirements | 3.00 |
| CISC 497 | Social, Ethical and Legal Issues in Computing | 3.00 |
| **G. Complete the following:** | | |
| CISC 498 | Information Technology Project | 6.00 |
| *2. Option* | | |
| **A. Complete 3.00 units from the following:** | | **3.00** |
| CISC 322 | Software Architecture | |
| CISC 326 | Game Architecture | |
| **B. Complete 3.00 units from the following course list:** | | **3.00** |
| SOFT_Design at the 400-level or above | | |
| **C. Complete 6.00 units from the following course list:** | | **6.00** |
| SOFT_Design | | |
| **Total Units** | | **75.00** |

New numbers of units required: ▭
Added in Modular Plan: ▭
Modified in Modular Plan: ▭