|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2018-2019** | **Bachelor of Science (B.S.) Degree - Computer Science & Information Technology Major  Name:** **ID:** | | | | | | | |
| **Courses in BOLD are required by this major**  **Courses in regular type are to fulfill essential education requirements and DO NOT have to be taken the specific semester stated. Four of these must be theme-based courses from your chosen Essential Education Curriculum theme.**  ***Courses in ITALIC are strongly recommended***  **+denotes courses offered only every other year**  **ALSO REQUIRED FOR GRADUATION**   * **120 credit hours** * **39 Upper division credits** * **2.00 GPA** * **Completion of all major & essential ed requirements** |
| **First Year Fall** | **EE Learning Outcome** | **Sem Hours** | **Date Met** | **First Year Spring** | **EE Learning Outcome** | **Sem Hours** | **Date Met** |
| **CSIT1100 Principles of Computing** |  | **3** |  | **CSIT1200 Data Structures** |  | **3** |  |
| ENGL1100 Discourse I OR  HONR1010 Honors 101 | 1a | 3 |  | **CSIT1300 Intro to Operating Systems** |  | **3** |  |
| Social/Behavioral Science: *ECON1300* | 5c | 3 |  |
| **MATH1380 Statistics or MATH1510 Calculus** | **6b** | **3** |  | Natural Science | 6a | **3** |  |
| Arts | 5a | 3 |  | Global Learning | 4 | 3 |  |
| INTD1100 Critical Thinking in Arts & Sciences | 2 | 3 |  |  |  |  |  |
|  | | | |
| **Total Hours** |  | **15** |  | **Total Hours** |  | **15** |  |
| **Notes:** | | | | | | | |
| **Second Year Fall** | **EE Learning Outcome** | **Sem**  **Hours** | **Date Met** | **Second Year Spring** | **EE Learning Outcome** | **Sem Hours** | **Date Met** |
| **CSIT2010 Object-Orient Programming** |  | **3** |  | **CSIT2100 Intermed. Programming1** |  | **3** |  |
| **CSIT2200 Comp Hardware & Network** |  | **3** |  | Humanities | 5b | **3** |  |
| ENGL2100 Discourse II OR  HONR2010 Honors 201 | 1b | 3 |  | Histories | 5d | **3** |  |
| **MATH2350 Discrete Math** | **6b** | **3** |  | Ethical Thinking & Action | 3 | **3** |  |
| Elective |  | **3** |  |
| Elective |  | 3 |  |  |  |  |  |
| **Total Hours** |  | **15** |  | **Total Hours** |  | **15** |  |
| **Notes: Be sure to connect with your faculty advisor early during the third year to discuss internship opportunities! Internships need to be approved in order to receive academic credit.** | | | | | | | |
| **Third Year Fall**  ***(check your degree audit!)*** | **EE Learning Outcome** | **Sem**  **Hours** | **Date Met** | **Third Year Spring** | **EE Learning Outcome** | **Sem Hours** | **Date Met** |
|  | ENGL3100 Discourse III | 1c | **3** |  | **Upper Division CSIT Elective** |  | **3** |  |
|  |  | **3** |  | **CSIT3300 Database Concepts & SQL** |  | **3** |  |
| **Upper Division CSIT Elective** |  | **3** |  | **CSIT3140 Information Security** |  | **3** |  |
| Upper Division Elective |  | **3** |  | Upper Division Elective |  | **3** |  |
| Elective |  | 3 |  | Elective |  | **3** |  |
|  | **Total Hours** |  | **15** |  | **Total Hours** |  | **15** |  |
|  | **Notes:** | | | | | | | |
|  |
|  | **Fourth Year Fall**  ***(apply for graduation!)*** | **EE Learning Outcome** | **Sem**  **Hours** | **Date Met** | **Fourth Year Spring** | **EE Learning Outcome** | **Sem Hours** | **Date Met** |
|  | **CSIT3200 Systems Analysis & Design** |  | **3** |  | **CSIT4100 Syst. Dev. Project2** |  | **3** |  |
| **Upper Division CSIT Elective** |  | **3** |  | **Upper Division CSIT Elective** |  | **3** |  |
|  | Upper Division Elective |  | **3** |  | Upper Division Elective |  | **3** |  |
|  | Elective |  | **3** |  | Elective |  | **3** |  |
|  | Elective |  | **3** |  | Elective |  | **3** |  |
|  | **Total Hours** |  | **15** |  | **Total Hours** |  | **15** |  |
|  | **Notes:** | | | | | | | |
| **Updated:**  **9/19/2016** | **1At least 2 semester hours required, but typically a 3 semester hour course. You can retake CSIT2100 for different languages (recommended).**  **2Students who have not done an internship (CSIT3700) or research study (CSIT4000) must do a senior project (CSIT4100).**  ***NOTE: We recommend that students interested in graduate study or a career as a computer scientist also minor in mathematics (with two semesters of calculus and linear algebra) and take lab science courses in physics, chemistry, or biology. We recommend that students interested in a career in information technologies also minor in business administration and take statistics. Freshman math courses could be moved to the next year without hindering the four year plan.***  **DISCLAIMER: These plans are to be used as guides only and are subject to changes in curriculum requirements. Refer to your Graceland Catalog for complete and accurate information. The student has the ultimate responsibility for scheduling and meeting the graduation requirements.** | | | | | | | |

