**BA IN COMPUTER SCIENCE CHECKLIST**

**Mount Vernon Nazarene University, 2023-2024**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student ID \_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_

**BA/BS DEGREE REQUIREMENTS:**

Must complete ALL of the following:

\_\_ 1. Minimum of 120 semester hours.

\_\_ 2. General Education Core.

\_\_ 3. Algebra (MAT0093) OR two (2) years of high school algebra and/or geometry

\_\_ 4. 40 semester hours of courses numbered 3000 or above. (Examples marked with \* below)

\_\_ 5. Complete course work for an approved major and minor.

\_\_ 6. Cumulative GPA of at least 2.00 in all courses at MVNU.

\_\_ No grade below "C-" in required major courses.

\_\_ No grade below "C-" in the minimum number of major electives.

\_\_ 7. Complete Junior-Senior assessment program.

**GENERAL EDUCATION CORE REQUIREMENTS**

**Competencies 10-15 Common Core 18**

\_\_ ENG1083/4 College Writing 3-4 (w/ lab) \_\_ HUM1012/3 D.o.C.M. 2-3 (w/lab)

\_\_ Foreign Lang or Communication 3-4 \_\_ BIB1013 Narrative of Scripture 3

\_\_ Quantitative Reasoning 3-4 \_\_ HIS1013 Western Tradition 3

\_\_ Health & Wellness 1-3 \_\_ COR2003 Exploring Vocation I 3

 \_\_ COR3001 Exploring Vocation II 1\*

 *Includes service-focused trip via Campus Ministries*

**Explorations** **11-17**

\_\_ Crossing Cultures 0-4 \_\_ THE3003 Christian Beliefs 3\*

\_\_ Natural Science with lab 4 \_\_ ITD5013 Contemporary Concerns 3\*

\_\_ Social Science 3

\_\_ The Arts 1-3

\_\_ Literature 3

 or Honors Core Conversations

**BA COMPUTER SCIENCE REQUIREMENTS**

**Major Courses 44** \_\_ CSC3083 Technology & Society 3\*

\_\_ CSC1024 Computer Science I 4 \_\_ CSC4081 Computer App. Practicum I 1\*

\_\_ CSC2024 Computer Science II 4 \_\_ CSC4082 Computer App. Practicum II 2\*

\_\_ CSC1053 Elementary Discrete Math 3

\_\_ CSC2033 Data Structures & Algorithms 3 **CS Electives 6**

\_\_ CSC3004 Software Development 4\* **(select at least 6 hours of Computer Science above 3000)**

\_\_ CSC3013 Comp. Networks and Telecom 3\* \_\_ CSC3003 Web App. Development 3\*

\_\_ CSC3024 Software & Sys Engineering 4\* \_\_ CSC3044 Operating Systems 4\*

\_\_ CSC3032 Database Management Sys. 2\* \_\_ CSC4003 Computer & Info Security 3\*

\_\_ CSC3031 Database Management Lab 1\* \_\_ CSC4023 Programming Languages 3\*

\_\_ CSC3054 Comp. Org & Architecture 4\* \_\_ CSC4093 Computer Networking 3\*

 \_\_ CSC4089 Advanced Topics in CS 1-3\*

 \_\_ CSC5029 Internship 1-6\*

\_\_ other CSC courses

**Required Cognates 3**

\_\_ MAT1023 Precalculus Math 3 **Choose any Minor:**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**Electives (as needed)**  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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