

B.S. COMPUTER SCIENCE**2023-2024**

Name: _____ ID#: _____ Anticipated Grad Date: _____

MAJOR REQUIREMENTS: 46 SEMESTER HOURS

	<u>Cr Hrs.</u>	<u>Course</u>	<u>Term</u>	<u>Grade</u>
<u>Required courses:</u>				
CSC 130 Programming I	4	_____	_____	_____
CSC 131 Programming II	4	_____	_____	_____
CSC 251 Software Design (includes GUIs)	3	_____	_____	_____
CSC 271 Computer Architecture	3	_____	_____	_____
CSC 359 Databases	3	_____	_____	_____
CSC 421 Networking	3	_____	_____	_____
CSC 430 Algorithm Analysis and Data Structures	3	_____	_____	_____
CSC 450 Senior Project	3	_____	_____	_____
MAT 141 Probability and Statistics	3	_____	_____	_____
MAT 200 Discrete Math	3	_____	_____	_____
MAT 211 Calculus I	4	_____	_____	_____
MAT 221 Calculus II	4	_____	_____	_____
MAT 341 Linear Algebra	3	_____	_____	_____
ORG 405 Business Ethics	3	_____	_____	_____

Restricted Electives: (Select 9 semester hours)***If pursuing the Data Analytics Concentration, see elective options below***

ART 230 Digital Art I: Print and Digital Design.....	3	_____	_____	_____
ART 233 Digital Art II: Basics of Animation	3	_____	_____	_____
ART 332 Digital Art III: Sound.....	3	_____	_____	_____
ART 333 Digital Art IV: Motion Graphics	3	_____	_____	_____
CHE 250 Quantitative Analysis.....	4	_____	_____	_____
CSC XXX 200-Level or above	3-4	_____	_____	_____
MAT 231 Calculus III	4	_____	_____	_____
MAT 310 Applied Combinatorics	3	_____	_____	_____
MAT 361 Modern Algebra	3	_____	_____	_____
MAT 410 Euclidean Geometry.....	3	_____	_____	_____
MAT 411 Real Analysis	3	_____	_____	_____
MAT 412 Complex Variables	3	_____	_____	_____
MUS 230 Music and Technology	3	_____	_____	_____
PHI 105 Symbolic Logic	3	_____	_____	_____
PSY 210 Research Methods I: Design and Data Collection	3	_____	_____	_____
THE 320 Computer Aided Drafting	3	_____	_____	_____
THE 328 Sound Design	3	_____	_____	_____

DATA ANALYTICS CONCENTRATION (Optional): (Select 9 semester hours)

DAT 233 Data Visualization	3	_____	_____	_____
DAT 411 Machine Learning	3	_____	_____	_____
DAT 431 Data Mining	3	_____	_____	_____

TOTAL HOURS REQUIRED**MINIMUM 55 SEMESTER HOURS****GRADUATION REQUIREMENTS:**

- Minimum 124 semester hours
- Minimum cumulative GPA of at least 2.0 in all coursework at Brevard and minimum cumulative GPA of at least 2.0 in all courses required for major. Some majors may have more stringent requirements (see major requirements in catalog)
- Complete a minimum of 32 semester hours at Brevard and complete 50% of major requirements at Brevard.
- Errors contained on the checklist do not release the student from meeting graduation requirements as stated in the catalog