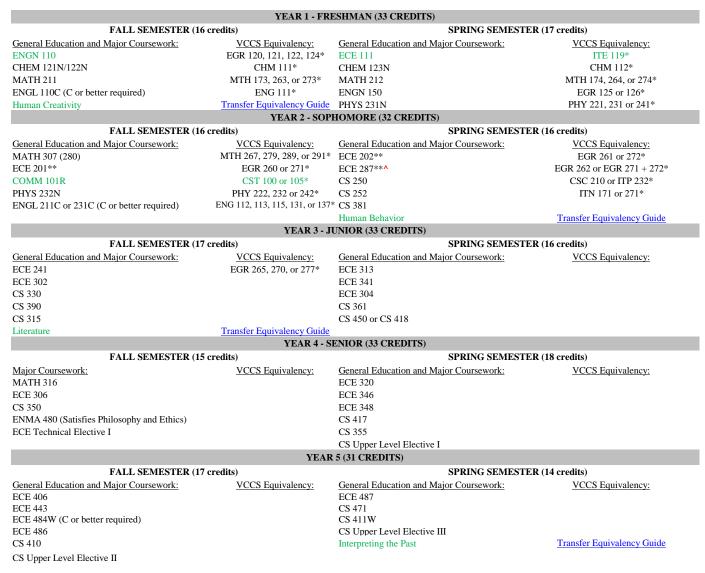
## 2023 - 2024 Old Dominion University Catalog Modeling & Simulation Engineering (BSCE) Dual Degree with Computer Science (BSCS) (with VCCS Equivalencies)

The five-year plan is a suggested curriculum to complete this degree program in five years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.



## TOTAL CREDIT HOURS: 162

This 4-year plan does not include 6 credits in Language and Culture, but this requirement may be waived; see ODU catalog for details.

The General Education requirements in Information Literacy and Research, Impact of Technology, and Philosophy and Ethics are met through the major.

Modeling & Simulation Engineering & Computer Science majors must earn a grade of C or better in all 200-level ECE courses and all CS courses prior to taking the next course in the sequence.

The Upper Division General Education requirement is met through the built-in minor in Computer Science and through the completion of a second major/degree.

ECE 111 and other ECE required courses satisfy the Computer Science Information Literacy & Research requirement of CS 121G. ENGN 150 satisfies the CS 150 requirement in Computer Science curriculum. ECE 304 satisfies the STAT 330 rquirement in Computer Science curriculum. ENMA 480 satisfies the Computer Science Philosophy & Ethics requirement. ECE 346 satisfies the CS 170 requirement in the Computer Science curriculum. ECE 443 satisfies the CS 270 requirement in the Computer Science curriculum.

\* C or better required for transfer.

\*\* CHEM 120 is for online program students only

\*\*From John Tyler Community College only: EGR 251 = ECE 201; EGR 261 = ECE 202; EGR 255 + EGR 263 = ECE 287

& from Germanna Community College: EGR 251 = ECE 201; EGR 252 = ECE 202; EGR 255 + EGR 261 = ECE 287

& from Northern Virginia Community College: EGR 251 = ECE 201; EGR 252 = ECE 202; EGR 265 = ECE 241

^ EGR 271 (4 cr) + EGR 272 (4 cr) = ECE 201 (3 cr) + ECE 202 (3 cr) + ECE 287 (2 cr) requirements. Both EGR 271 & EGR 272 must be completed to receive credit for ECE 287.

^Non-major Engineering Elective includes options of any three-credit course from BME, CEE, CS, ENMA (except ENMA 480), MAE, & MSIM. Consider looking into VCCS equivalents.

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major and 120 credit hours, which must include both a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University, completion of ENGL 110C, ENGL 211C or 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.