BACHELOR OF SCIENCE-			NAME
2015-2016 Old Dominion Univ	ersity Catalog	5	UIN:
general education requirements remaining lower division cour	Courses makes are auto grade of "C-" 0 credit hour	arked with * require a gray matically satisfied by the or below were earned will graduation minimum.	
A. <i>Skills</i> g		VCCS transfer	Physics Course Requirements grade/credit MATH 211Calculus I4
Written Communication–6 hou ENGL 110C English Composit ENGL 211C, 231C	tion I3	<u>AS/ENG 111</u> <u>AS/ENG 112, 210, or 115, 131</u> <u>CST 100, 105, 110,111, 111, 111, 111, 111, </u>	MATH 212 Calculus II 4 MATH 307 Differential Equations 3 MATH 280 CHEM 121N/122N Chemistry I** 4 CHM 111 or 113 CHEM 123N/124N Chemistry II ** 4 CHM 112 or 114 CS 150 Intro to Programming 4 PHYS 103N Introductory Astronomy 4
Oral Communication—3 hours COMM 101R, 103R, 112R		112, or 126	11115 10514 introductory Astronomy
Mathematics-3 hours MATH 162M		satisfied in the major	PHYS 231N University Physics I* 4 PHYS 232N University Physics II * 4 PHYS 323 Modern Physics 3 PHYS 355 Math Methods 3
Language and Culture –0-6 hours BS students' competence must be at the 102 or 111 level. Consult transfer guide for all equivalencies. Information Literacy–3 hours			PHYS 319 Analytical Mechanics 3 PHYS 425 Electromagnetism I 3 PHYS 303 Laboratory 3 PHYS 413 Methods of Exp. Physics 3 PHYS 499W or 489W/490W Thesis 3 Approved Physics Seminar 1
CS 120G, CS 121G, LIBS 120 or ECE 111 + CS 122	G3	AS/ITE 119	*Physics majors must earn a grade of "C" or better in
B. Ways of Knowing Human Creativity3 hours ARTH 121A, ARTS122A,	3	AS/ART 100–106,111	PHYS 231 and PHYS 232. **(CHEM 137N/138N) or (CHEM 121N/122N/123N/124N) Professional Education Requirements:
DANC 185A, MUSC 264A THEA 241A, COMM/THEA		114; MUS 121, 122, 125; CST 130, 141,142, 151, 152, 231, 232, 250;	STEM 101: Step 1—Inquiry Approaches to Teaching STEM1 STEM 102: Step 2—Inquiry Based STEM Lesson Design1 STEM 201: Knowing and Learning in Math & Science Educ3
History3 hours HIST 100H, 101H, 102H, 103H 104H, 105H	Н,3	HIS 101, 102, 111, 121, 122, 203, 204, 231, 232, 253, 254	STEM 202: Classroom Interactions in STEM Education STEM 401: Project-Based Instruction in STEM Education SCI 468W: Research Methods in Mathematics and Science STEM 402: Perspectives on Science and Mathematics STEM 485: Apprentice Teaching
Literature3 hours ENGL 112L, 114L, FLET 100	L3	AS/ENG 125, 236, 237, 241–246, 251–256, 267, or 268	UPPER DIVISION GENERAL EDUCATION Satisfied by Secondary Education Endorsement.
Philosophy and Ethics—3 hours PHIL 110P, 120P, 140P, 230E 250E, 303E, 344E, 345E, 441E 442E, or other 'P' or 'E' course	3 E,	AS/PHI 100, 101, 102 111, 112, 115, 220, REL 230, 231, or 232	120 HOURS AND A 2.75 GRADE POINT AVERAGE IN THE MAJOR, EDUCATION, AND OVERALL ARE NEEDED TO GRADUATE.

Natural Science and Technology-8 hours Met in the major

Human Behavior–3 hours 3 AS ANTR 110S, CRJS 215S, ECON 200S, ECON 201S, ECON 202S, GEOG 100S, GEOG 101S, POLS 100S, POLS 101S, POLS 102S, PSYC 201S, PSYC 203S, SOC 201S, COMM 200S, WMST 201S, FIN 210S

The Impact of Technology–3 hours 3 AS CS300T, DNTH 440T, ENGL307T, GEOG 306T, HIST 300T, HIST 304T, HIST 389T, HIST 386T/SCI 302T, IT 360T, MUSC 335T, POLS 350T, STEM 110T, STEM 370T, WMST 390T, COMM 372T, PHIL 383T, or other 'T' course

NO COURSE WITH A GRADE OF LESS THAN C- CAN BE USED TO SATISFY GRADUATION REQUIREMENTS.

Additional Graduation Requirements:

Application for Graduation
Passage of Physics Exit Exam Senior Assessment

edited: June 29, 2015