

2014 - 2015 Old Dominion University Catalog

Bachelor of Science in Physics

(Concentration E: Dual Degree Program with MBA) (w/ VCCS Equivalencies)

*Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed.
* indicates not automatically waived with transferrable associates degree, C or better required for transfer.*

YEAR 1 - FRESHMAN (30 CREDITS)

FALL SEMESTER (14 credits)		SPRING SEMESTER (16 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
MATH 211 (4 credits)	MTH 173 or 273*	ENGL 211C or 231C	ENG 112, 210, 115 or 131*
ENGL 110C	ENG 111*	Human Creativity	Transfer Guide
Language and Culture I (May be waived, see catalog for details)	Transfer Guide	Language and Culture II (May be waived, see catalog for details)	Transfer Guide
CS 150 (4 credits)	Transfer Guide*	MATH 212 (4 credits)	MTH 174 or 274*
		Human Behavior	Transfer Guide

YEAR 2 - SOPHOMORE (28 CREDITS)

FALL SEMESTER (14 credits)		SPRING SEMESTER (14 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 121N and 122N (4 credits)	CHM 111*	CHEM 123N and 124N (4 credits)	CHM 112*
Literature	Transfer Guide	Interpreting the Past	Transfer Guide
Philosophy and Ethics	Transfer Guide	PHYS 232N (4 credits)	PHY 222, 232 or 242*
PHYS 231 (4 credits)	PHY 221, 231 or 241*	Oral Communication	Transfer Guide

YEAR 3 - JUNIOR (31 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (15 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
MATH 307		MATH 316, 401, 421 or 422	
MATH 312 (4 credits)		PHYS 355	
PHYS 319		PHYS 413	
PHYS 323		PHYS 425	
PHYS 303		PHYS 454	

YEAR 4 - SENIOR (31 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (16 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Professional Education Coursework:</u>	<u>VCCS Equivalency:</u>
PHYS 452		Approved Physics Seminar (1 credit)	
PHYS 499W or 489W & 490W		PHYS 311, 313, 332, 350, 411, 415, 416 or 417	
PHYS 420, 453 or 456		ECON 604*	
ACCT 601*		FIN 605*	
BNAL 600*		MGMT 602*	
		MKTG 603*	

Language and Culture may be waived, see ODU catalog for exemptions.

*The Upper Division General Education is satisfied by M.B.A. Core Curriculum: MBA Core course taken senior year – all must be B or better for continuance in the M.B.A. program

Concentration E is a five-year Bachelor of Science in physics and Master of Business Administration dual degree program. After students have satisfactorily completed their undergraduate requirements, they complete 30 credit hours in the M.B.A. program.

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a grade of C or better in all courses required for the major, including prerequisite courses, 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 221C or 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.