

2020 - 2021 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. Courses in **green** are waived by the completion of an Associate degree (Not eligible for Applied Associate degrees). Associate in Science recommended for ease of transfer.*

YEAR 1 - FRESHMAN (30 CREDITS)			
FALL SEMESTER (16 credits)		SPRING SEMESTER (14 credits)	
<u>General Education and Major Coursework:</u>		<u>VCCS Equivalency:</u>	
MATH 211 (4 credits)		MTH 173, 263 or 273*	
ENGL 110C		ENG 111*	
Oral Communication		Transfer Guide	
Language and Culture I (May be waived, see catalog for details)		Transfer Guide	
Human Creativity		Transfer Guide	
YEAR 2 - SOPHOMORE (32 CREDITS)			
FALL SEMESTER (17 credits)		SPRING SEMESTER (15 credits)	
<u>General Education and Major Coursework:</u>		<u>VCCS Equivalency:</u>	
CHEM 121N and 122N (4 credits)		CHM 111*	
PHYS 261N (4 credits)		See note below*	
Literature		Transfer Guide	
Information Literacy and Research: CS 120G or CS 121G or OEAS 130G		Transfer Guide	
Human Behavior		Transfer Guide	
YEAR 3 - JUNIOR (31 CREDITS)			
FALL SEMESTER (15 credits)		SPRING SEMESTER (16 credits)	
<u>General Education and Major Coursework:</u>		<u>VCCS Equivalency:</u>	
MATH 307 or 280		MTH 267 or 279*	
PHYS 355		Transfer Guide	
PHYS 323			
PHYS 303			
Philosophy and Ethics			
YEAR 4 - SENIOR (32CREDITS)			
FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
<u>Major Coursework:</u>		<u>Major Coursework:</u>	
PHYS 452		Approved Physics Seminar (1 credit)	
PHYS 454		PHYS 313, 411, 415, 416 or 417**	
PHYS 499W or 489W & 490W**		MBA 603 (1 credit)	
PHYS 420, 453 or 456**		MBA 604 (1 credit)	
MBA 601 (1 credit)		MBA courses** (10 credits)	
MBA 602 (1 credit)			
MBA course** (2 credits)			
YEAR 5 - (28 CREDITS)			
FALL SEMESTER (14 credits)		SPRING SEMESTER (14 credits)	
MBA course** (2 credits)		MBA course** (2 credits)	
MBA course** (2 credits)		MBA course** (2 credits)	
MBA course** (2 credits)		MBA course** (2 credits)	
MBA course** (2 credits)		MBA course** (2 credits)	
MBA course** (2 credits)		MBA course** (2 credits)	
MBA course** (2 credits)		MBA course** (2 credits)	
MBA course** (2 credits)		MBA course** (2 credits)	

**Please consult the catalog and your ODU advisor for MBA coursework.

The Upper Division General Education is satisfied by M.B.A. Pre-Core and Core Curriculum. Students must maintain a 3.0 GPA in these courses to continue in the program.

Concentration E is a Bachelor of Science in physics and Master of Business Administration dual degree program. After students have satisfactorily completed their undergraduate requirements, they complete the remaining requirements in the M.B.A. program. Students must earn a minimum of 150 credits (120 for the undergraduate degree and 30 for the graduate degree).

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.

Note: PHYS 261N and 262N have no VCCS equivalency. However, if you must take Physics courses for the AS degree, you should take PHY 221, 231 or 241 and PHY 222, 232 or 242. These courses transfer as PHYS 231N and PHYS 232N. The Department will assess student's proficiency and substitute for PHYS 261N and 262N if eligible.