

Physics and Master of Business Administration (BS, MBA)

Degree Program Guide

Course	Title	Credit Hours
Freshman		
Fall		
ENGL 110C	English Composition (Grade of C or better required)	3
MATH 211	Calculus I	4
Human Creativity		3
Oral Communication		3
Elective or Language & Culture I (May be waived; See requirement details)		3
Credit Hours		16
Spring		
ENGL 211C or ENGL 231C (Grade of C or better required)		
MATH 212	Calculus II	4
CS 151 or CS 153	Introduction to Programming with Java or Introduction to Programming with Python	4
Human Behavior		3
Elective or Language & Culture II (May be waived; See requirement details)		0-3
Credit Hours		14-17
Sophomore		
Fall		
CHEM 121N and CHEM 122N*		4
PHYS 261N or PHYS 231N or PHYS 226N	Advanced University Physics I or University Physics I or Honors: University Physics I	4
Information Literacy and Research: CS 120G or CS 121G or OEAS 130G		3
Literature		3
Credit Hours		14
Spring		
CHEM 123N and CHEM 124N*		
MATH 312 or MATH 285		4
PHYS 262N or PHYS 232N or PHYS 227N	Advanced University Physics II or University Physics II or Honors: University Physics II	4
Impact of Technology		3
Credit Hours		15
Junior		
Fall		
MATH 307 or MATH 280		
PHYS 323	Modern Physics	3
PHYS 303	Intermediate Experimental Physics	3

PHYS 355	Mathematical Methods of Physics	3
PHYS 425	Electromagnetism I	3
Credit Hours		15
Spring		
PHYS 319	Analytical Mechanics	3
PHYS 413	Methods of Experimental Physics	3
MATH 316 or MATH 401 or MATH 421 or MATH 422		
MBA 600	Introduction to Statistics	1
Interpreting the Past		
Philosophy and Ethics		
Credit Hours		16
Senior		
Fall		
PHYS 452	Introduction to Quantum Mechanics	3
ASTP 414 or PHYS 411 or PHYS 420 *		
PHYS 499W or PHYS 489W and PHYS 490W (C or better required)*		
MBA 600	Introduction to Statistics	1
MBA 606	Mathematical Foundations for Business	1
MBA course		
Credit Hours		16
Spring		
ASTP 313 or PHYS 415 or PHYS 416 or PHYS 417 *		
PHYS 454	Thermal and Statistical Physics	3
Approved Physics Seminar*		
MBA 621	Effective Business Writing	1
MBA 638	Spreadsheet Modeling	1
MBA courses		
Credit Hours		16
Fifth Year		
Fall		
MBA courses		
Credit Hours		14
Spring		
MBA courses		
Credit Hours		14
Total Credit Hours		150-153

*PHYS 420 is offered fall semester only. ASTP 313, PHYS 453, and PHYS 456 are offered spring semester only.