

Physics Distributive Major Concentration in Professional Management

List of Required Courses

Physics: 2110, 2120, 3005, 3010, 3030, 3100, 3550, 3700, 3701, and 4000
 Math: 1910, 1920, 2110, 3120
 Accounting: 2010, 2020
 Finance: 3010
 Marketing: 3010
 Computer Science: 1010
 Economics: 2010, 2020
 Management: 3010, 3110
 Quantitative Methods: 2110, 3110

Description of Program

This concentration addresses the serious shortage of business managers with a solid grounding in the hard sciences. Students will concentrate on the basics of business administration while gaining a thorough understanding of computers, lasers, experimental and computational techniques, and the standard problem solving skills of a physicist. This option satisfies the entrance requirements for most MBA programs.

Recommended 4-Year Schedule

Freshman

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|--|----|---|----|
| Physics 2110, University Physics I | 5 | Physics 2120, University Physics II | 5 |
| Math 1910, Calculus & Analytic Geom. I | 5 | Math 1920, Calculus & Analytic Geom. II | 5 |
| CSci 1010, Intro to Programming | 3 | Economics 2010, Macroeconomics | 3 |
| English 1010, English Comp. I | 3 | English 1020, English Comp. II | 3 |
| Freshman Experience | 1 | | |
| | 17 | | 16 |

Sophomore

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|---------------------------------------|----|--|----|
| Physics 3005, Theoretical Methods | 4 | Physics 3010, Intermediate Mechanics | 3 |
| Math 2110, Calculus III | 3 | Physics 3550, Experimental Methods | 3 |
| Economics 2020, Microeconomics | 3 | Comm 1010, Fund. of Public Speaking | 3 |
| Acct 2010, Principles of Accounting I | 3 | Acct 2020, Principles of Accounting II | 3 |
| QM 2110, Business and Econ. Stats. I | 3 | QM 3110, Business and Econ. Stats. II | 3 |
| | 16 | | 15 |

Junior

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|---------------------------------------|----|---|----|
| Physics 3700, Modern Physics | 4 | Physics 3030, Electricity & Magnetism | 3 |
| Math 3120, Differential Equations | 3 | Marketing 3010, Principles of Marketing | 3 |
| Management 3010, Princ. of Management | 3 | Liberal Arts | 3 |
| Finance 3010, Principles of Finance | 3 | English 2030, Trad. in World Literature | 3 |
| | | Elective | 3 |
| | 13 | | 15 |

Senior

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| Physics 3100, Optics | 4 | Physics 4000, Computational Methods | 3 |
| History 2010, American History I | 3 | History 2020, American History II | 3 |
| Humanities Elective | 3 | Social/Behavioral Science Elective | 3 |
| Management 3110, Org. Behavior. | 3 | Humanities Elective | 3 |
| | | Elective | 3 |
| | 13 | | 15 |