



LEHIGH
University

College of Business and Economics P.C. Rossin College of Engineering & Applied Science



Integrated Business and Engineering Honors Program

Undergraduate Joint Degree Program with:

- The College of Business and Economics
- The P.C. Rossin College of Engineering and Applied Science

Rapid technological advances and newly opened international markets are changing the face of business and industry. With this change comes the requirement for business leaders to have a solid foundation in both management and technology. Lehigh University's state-of-the-art honors program is designed to help meet this growing industry need for individuals with both technical and business expertise. Students completing this highly selective program will receive a Bachelor of Science Degree in Business and Engineering (BSBE).

Lehigh's Integrated Business and Engineering (IBE) Honors Program features a challenging, broadly based curriculum that melds engineering and business. Students will be prepared to make decisions related to technology, product and process development, marketing, finance and design.

The Integrated Business and Engineering (IBE) Honors Program students will have the opportunity to:

- Perform economic analysis
- Prepare detailed business plans
- Understand the changing nature of domestic and global competition
- Appreciate a strong sense of international culture and diversity
- Work on multidisciplinary design projects requiring both engineering and business problem-solving skills
- Develop teamwork and leadership skills

Lehigh undergraduate students admitted into the four-year honors program will be prepared to assume leadership roles in:

- Industrial research and development
- Entrepreneurial initiatives
- Management consulting
- High-tech ventures
- Innovative technological efforts

College of Business and Economics

Richard M. Durand
Herbert E. Ehlers Dean

P.C. Rossin College of
Engineering & Applied Science

John C. Chen, *Dean*

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Bethlehem, PA 18015-3117

610-758-3400
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Partnering With The Best 
Creating Innovative Solutions For The Real World



Curriculum for IBE Honors Program (137 credits)

| | Credits |
|---|----------------|
| English | 6 |
| Engl 1 Composition and Literature I | 3 |
| Engl 2 Composition and Literature II | 3 |
| Humanities and Social Sciences | 12 |
| Must include one of the following courses | |
| Comm 130 Public Speaking | 3 |
| SSP 135 Human Communication | 3 |
| Computing | 3 |
| Choose one of these courses | |
| Engr 1 Engineering Computations | 3 |
| CSc11 Introduction to Computing | 4 |
| Math and Science Core | 30 |
| Math 21 Calculus I | 4 |
| Math 22 Calculus II | 4 |
| Math 23 Calculus III | 4 |
| Math 231 Probability and Statistics | 3 |
| Phy 11 Introductory Physics I | 4 |
| Phy 12 Introductory Physics Laboratory I | 1 |
| Phy 21 Introductory Physics II | 4 |
| Phy 22 Introductory Physics Laboratory II | 1 |
| Chm 21 Introductory Chemical Principles | 4 |
| Chm 22 Chemical Principles Laboratory | 4 |
| Engineering Core | 20 |
| Set of engineering courses developed for each particular major | |

| Business and Economics Core | | 33 |
|---|---------------------------------------|-----------|
| Acct 151 | Introduction to Financial Accounting | 3 |
| Acct 152 | Introduction to Managerial Accounting | 3 |
| BIS 211 | Management Information Systems | 3 |
| Eco 1 | Principles of Economics | 4 |
| Eco 115 | Applied Microeconomics Analysis | 3 |
| Eco 129 | Money and Banking | 4 |
| Fin 125 | Business Finance | 3 |
| Law 201 | Legal Environment of Business | 3 |
| Mkt 111 | Contemporary Marketing | 3 |
| Mgt 280 | Management of People and Operations | 4 |
| Major | | 15 |
| Specific major in either business or engineering | | |
| Integrated IBE Courses | | 12 |
| Freshman year course | | 3 |
| Sophomore and junior year seminars | | 3 |
| Senior year capstone courses | | 6 |
| Free Electives | | 6 |

Summer Internships

At least one industrial internship is required. International internships are encouraged.

Foreign Language Proficiency

In addition to the above requirements, the IBE Honors Program has a foreign language proficiency requirement which can be satisfied in a number of ways. Check web-site for details.

Integrated Business and Engineering Honors Program web-site:
www.lehigh.edu/~inibep/inibep.html



For more information contact:

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