

**School of Engineering and Applied Science
University of Virginia**

Engineering Business Minor

Thanks to gifts from the Clark Construction Group, Inc. and Bill Utt (SEAS '79, '80, Darden '84), SEAS students may pursue a minor in engineering business. This minor provides students with the opportunity to learn how modern business organizations function and to acquire the concepts and language they will need to be effective in the corporate world. The minor involves coursework in both SEAS and the McIntire School of Commerce. *The minor is open only to SEAS students.*

When Can I Apply for the Minor? SEAS Students apply **during the month of October in their second year**. Doing so helps us match student demand with the number of seats available in the required courses. Students are selected for the minor based on their cumulative GPA.

What if I Want to Get an Early Start on the Minor? It's recommended that you take ECON 2010 or 2020 since those courses do not require being enrolled in the minor. We also suggest that you look for an internship or job during the summer that helps you to learn about careers that combine business and engineering.

What Courses Do I Need to Take? The Engineering Business Minor requires the successful completion of three required courses and three electives. Students pursuing the minor should declare the minor as early as possible since COMM 2010 and STS 4110 are restricted to students in the minor. Students generally take STS 4110 in their fourth year of study.

Required Courses:

All students, regardless of graduating class, must take:

- ECON 2010 Principles of Economics: Microeconomics
- STS 4110 The Business of New Product Development (Formerly TMP 351/STS 4510)

Students, beginning with the **class of 2013**, must take:

- COMM 2010 Introduction to Financial Accounting

Students in the **classes of 2011 and 2012** can take either:

- COMM 2010 Introduction to Financial Accounting (Recommended) OR
- COMM 1800 Making Business Work

Electives (Students choose three):

- COMM 2010 Introduction to Financial Accounting (if not taken in lieu of COMM 180)
- COMM 2020 Introduction to Management Accounting
- COMM 2600/SOC 2600 Leadership across Disciplines (best for SEAS students in spring)
- COMM 3410 Commercial Law
- COMM 3600/ARAD 3100 Principles and Practices of Arts Administration
- COMM 3660 Business of Consulting (J-term) [not currently offered]
- COMM 3800 Challenges of Managing Sustainable Development (will be offered in 2011)
- COMM 3810/RELG 2290 Business Ethics
- COMM 3845 International Business (requires 4th year status)
- COMM 4200 Project Management (best for SEAS students in spring)
- COMM 4230/4777 Financial System Engineering
- COMM 4240 Electronic Commerce

- COMM 4650 Business, Politics, and Culture in the European Union (offered May term)
- COMM 4570 Investing in a Sustainable Future
- COMM 4821 Managing Sustainability
- COMM 4822 Investing in a Sustainable Future

- STS 2500 Engineers as Entrepreneurs
- STS 2500 Entrepreneurship and Finance
- STS 2500 Service Science, Management, and Engineering
- STS 2500 Business Ethics (not currently offered)
- STS 2140 Earth Systems Technology and Management
- STS 2160 Intellectual Property, Engineering, and Society
- STS 3020 Science and Technology Policy for Interns
- STS 2620 Science and Technology Policy

- ENGR 4880 Aspects of Engineering Practice
- ENGR 4599 Business Intelligence
- CS 4753 Electronic Commerce Technologies
- CE 4000 Construction Engineering and Economics
- CE 4500 Introduction to Construction Management
- SYS 2057 Management of E-Commerce Systems
- SYS 4000 Financial Aspects of Engineering
- SYS 4044 Economics of Engineering Systems
- SYS 5044 Engineering Economic Systems

- ECON 2020 Principles of Economics: Macroeconomics
- ECON/HIUS 2060 American Economic History
- ECON 3030 Money and Banking
- ECON 4210 International Trade
- ECON 4350 Corporate Finance

When should I plan on taking these courses?
following semesters:

We recommend that you take the courses for the minor in the

- | | |
|-----------------|---|
| ECON 2010 | either fall or spring, first year |
| COMM 2010 | either spring, second year or spring, third year |
| Three electives | any semester beginning in the spring, second year |
| STS 4110 | either fall or spring, fourth year |

What if I have more questions about the engineering business minor?

You should contact the Minor Coordinator, Professor W. B. Carlson. His email is wc4p@virginia.edu and his office is Thornton A220.

Revised 15 September 2010
WBC