Please be advised that all non-EE course work must be approved in advance of taking it in order for the course to be counted toward the MS degree(s). Please take a copy of your current STARS or OASIS Course and a Special Request Form (SRF) to History to Prof. Jerry Mendel (EEB 400B) for approval.

If you fall into the following category, >3.50 GPA with 9 units or more EE units completed, you may take one of the following non-EE courses and count it toward the degree without prior approval. All other non-EE courses must be approved in advance by Prof. Mendel.

Business/Eng. Management Courses to applicable to MS-EE, MS-VLSI, MS-CN

Guidelines:

- GPA Requirement: 3.5GPA or above
- Unit Requirement: 9 units or above
- Only one such Business/Eng. Management applicable to degree

Courses pre-approved by EE faculty as of 4/01/2008:

- LAW 599x – Intellectual Property Law for Inventors (not yet a regular course)
  - Patents, copyrights, trade-secrets, open-source…
- BAEP 551 - Introduction to New Ventures
  - Study and development of analytical and conceptual skills in the management of new enterprises and new ventures within large organizations. (Duplicates credit in former BAEP 550*x* and GSBA 586.)
- BAEP 556 - Technology Feasibility for High Tech Ventures
  - Gives students the critical thinking and analytical skills they need to evaluate, value and manage technology as intellectual property. Students will learn the technology commercialization process, use data mining and assessment techniques for patent databases, and study the unique business issues facing high technology start-ups.
- BAEP 557 -Technology Commercialization
  - Focus of the course is on the identification, evaluation and commercialization of new technologies. Emphasis will be placed on the legal, financial and marketing aspects of technology transfer and development.
- MOR 561 - Strategies in High Technology Businesses
  - How high-tech companies achieve competitive advantage through leveraging technical, management and financial resources. Technology trends and industry evolution. Focus on electronics and bio-technology. Cases and speakers.
- ISE 544 Management of Engineering Teams (3, FaSp)
  - Design and management of engineering teams. Group decision-making, motivation, leadership, infrastructural requirements, performance measurement, team diversity, conflict, and integration.
- ISE 585 Strategic Management of Technology (3, FaSp)
  - Management skills and tools for technology intensive enterprises. Life cycle analysis of technology from planning through exploitation, obsolescence and renewal
- ISE 515 Engineering Project Management (3, FaSpSm)
  - Applying industrial and systems engineering skills to problems drawn from industry, while working in teams of 3-4 students. Teach project management skills and provide direct experience in managing and executing a group project
- GSBA 556 - Business Development in the Networked Digital Industry
  - Business development and business models for products/services delivered through networked digital platforms (NDI), including creative industries. Convergence of telecom, IT, software, entertainment, content, and media.
- ISE 565 Administration, Law and Finance for Engineering Innovation

    - The course is intended to provide students in engineering, the sciences and related fields with an examination of the primary legal, financial and accounting issues involved in the conduct of most business organizations, with a primary focus on companies engaged in manufacturing or engineering service operations.
- ISE 566 Financial Accounting Analysis for Engineering
    - The course is intended to provide students in engineering and related disciplines with the information and skills necessary to engage in financial decision making at both an operational level and a business enterprise level. Topics which will be covered include concepts from cost accounting, managerial accounting, law and finance
- ISE 517 Modern Enterprise Systems
    - This course is designed to enhance student understanding of modern enterprises and, secondarily, to strengthen skills necessary to succeed in meeting expectations of enterprise management and leadership. The instructor will draw upon collective academic and industry experiences to offer both empirical and experiential lessons in a classroom environment that emphasizes mentoring and coaching rather than “sage on the stage” lectures.