## Major: Dual Degree Program (BEng in Bioengineering and BBA in Economics)

### BEng in Bioengineering

- **Required Credits for Engineering Fundamental Courses**: 36 credits
  - **Major Requirements**: 23 credits
    - Honors Calculus I (MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023)
    - Calculus IA (MATH 1012 OR MATH 1013 OR MATH 1023) OR [MATH 1020]
    - Calculus and Linear Algebra
    - General Physics I (CHEM 2005)
    - General Physics II (CHEM 2115)
    - Introductory Biology (BIEN 1020)
    - Biochemistry (BIEN 1022)
    - Molecular and Cell Biology (BIEN 1023)
    - Genetics (BIEN 1024)
    - General Biology I (LIFS 1024)
    - General Biology II (LIFS 1025)
    - Math for Bioengineers (BIEN 1026)
    - General Chemistry I (CHEM 1010)
    - General Chemistry II (CHEM 1020)
  - **Bioengineering Electives (5 courses from the specified elective list, of which at least 9 credits should be at 4000-level)**
  - **Bioengineering Industrial Project**
- **Required Credits for Major Required Courses and Electives**: 23 credits
- **Required Credits for School Requirements**: 36 credits

### BBA in Economics

- **Required Credits for Major Required Courses and Electives**: 20 credits
  - **Major Requirements**: 14 credits
    - Microeconomics (ECON 2123 OR ECON 3123)
    - Macroeconomics (ECON 2123 OR ECON 3123)
    - Principles of Microeconomics
    - Principles of Macroeconomics
    - Principles of Economics
    - Principles of Business Administration
    - Principles of Social Science
    - Principles of Management
    - Principles of Business Law
    - Principles of Business Ethics
    - Principles of Business Strategy
    - Principles of Business Statistics
    - Principles of Business Finance
    - Principles of Business Accounting
    - Principles of Business Marketing
    - Principles of Business Information Systems
  - **Required Credits for School Requirements**: 14 credits

### Additional Requirements

- **Requirements for Dual Degree Program**: 20 credits
  - **Major Requirements**: 14 credits
  - **University CORE**: 6 credits

### Notes

- All courses marked with a **(*)** are mandatory and cannot be substituted.
- Courses marked with **[ ]** can be taken in other terms as indicated, and students may take the course in one of these terms subject to advice by the program office.
- Courses marked with **( )** indicate the reuse of the same course to fulfill more than one requirement.
- Courses marked with **( )** (course code, prefix)

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### Declaration of BEng

- **Year 1 Fall**: Honors Calculus I (MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023)
- **Year 1 Spring**: Calculus IA (MATH 1012 OR MATH 1013 OR MATH 1023) OR [MATH 1020]
- **Year 2 Fall**: Calculus and Linear Algebra
- **Year 2 Spring**: General Physics I (CHEM 2005)
- **Year 3 Fall**: General Physics II (CHEM 2115)
- **Year 3 Spring**: Introductory Biology (BIEN 1020)
- **Year 4 Fall**: Biochemistry (BIEN 1022)
- **Year 4 Spring**: Molecular and Cell Biology (BIEN 1023)
- **Year 5 Fall**: Genetics (BIEN 1024)
- **Year 5 Spring**: General Biology I (LIFS 1024)

### Declaration of BBA

- **Year 1 Fall**: Microeconomics (ECON 2123 OR ECON 3123)
- **Year 1 Spring**: Macroeconomics (ECON 2123 OR ECON 3123)
- **Year 2 Fall**: Principles of Microeconomics
- **Year 2 Spring**: Principles of Macroeconomics
- **Year 3 Fall**: Principles of Business Administration
- **Year 3 Spring**: Principles of Social Science
- **Year 4 Fall**: Principles of Management
- **Year 4 Spring**: Principles of Business Law
- **Year 5 Fall**: Principles of Business Ethics
- **Year 5 Spring**: Principles of Business Strategy

### University CORE

- **Year 1 Fall**: Principles of Business Information Systems
- **Year 1 Spring**: Principles of Business Statistics
- **Year 2 Fall**: Principles of Business Finance
- **Year 2 Spring**: Principles of Business Accounting
- **Year 3 Fall**: Principles of Business Marketing
- **Year 3 Spring**: Principles of Business Ethics

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**Remarks**

- The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalogue (available online for up-to-date information on course offering and scheduling) for the complete list of graduation requirements.
- This program is open to undergraduate students who have not been enrolled in the BEng or BBA programs before.
- Students who have been enrolled in the BEng or BBA programs before may be eligible to transfer to this program after meeting the eligibility criteria specified by the program office.