1st & 2nd SEMESTER

1st SEMESTER

**Common to both Co-operative and Regular Program**

**REQUIRED:**

- **MTH 207**  Calculus and Computational Methods I
- **ACC 110**  Financial Accounting
- **CPS 118**  Introductory Programming for Scientists
- **ECN 104**  Introductory Microeconomics
- **SCI 180**  Orientation

**REQUIRED Group 1:** One course from the following

- **BLG 143**  Biology I
- **CHY 113**  General Chemistry I
- **PCS 120**  Physics I

* This course is graded on a pass/fail basis.

2nd SEMESTER

**Common to both Co-operative and Regular Program**

**REQUIRED:**

- **MTH 310**  Calculus and Computational Methods II
- **FIN 300**  Managerial Finance I
- **CMN 279**  Introduction to Professional Communication

**REQUIRED Group 2:** One course from the following

- **BLG 144**  Biology II
- **CHY 113**  General Chemistry II
- **PCS 130**  Physics II

**LIBERAL STUDIES:** One course from [Table A](#).
3rd & 4th SEMESTER

3rd SEMESTER

Common to both Co-operative and Regular Program

REQUIRED:

MTH 330  Calculus and Geometry
MTH 304  Probability and Statistics I
MTH 108  Linear Algebra
FIN 401  Managerial Finance II

ELECTIVE: One course from Table X.

4th SEMESTER

Common to both Co-operative and Regular Program

REQUIRED:

MTH 430  Differential Equations & Dynamical Systems
MTH 404  Probability and Statistics II
FIN 501  Investment Analysis I

ELECTIVE: One course from Table X.

LIBERAL STUDIES: One course from Table A.
5th & 6th SEMESTER

5th SEMESTER

REQUIRED:

MTH 500  Introduction to Stochastic Processes
MTH 501  Numerical Analysis

ELECTIVE: Two courses from Table X.

LIBERAL STUDIES: One course from Table A.

6th SEMESTER

REQUIRED:

MTH 600  Computational Methods in Mathematics
MTH 712  Differential Equations II

ELECTIVE: Two courses from Table X.

LIBERAL STUDIES: One course from Table B.
7th & 8th SEMESTER

7th SEMESTER

REQUIRED:

- **MTH 700** Financial Mathematics I
- **FIN 601** Investment Analysis II
- **FIN 800** Ethics in Finance

**ELECTIVE:** One course from Table X.

**LIBERAL STUDIES:** One course from Table B.

8th SEMESTER

REQUIRED:

- **MTH 800** Financial Mathematics II
- **MTH 719** Applied Linear Algebra
- **FIN 801** Financial Risk Management

**ELECTIVE:** One course from Table X.

**LIBERAL STUDIES:** One course from Table B.