9 credits are required.

1. Choose a minimum of 1 credit of approved Math or Science from the following:

   Any MA course. Note: (MA1032 will count only if taken before Differential Calculus MA1150, MA1151, MA1160, MA1161)
   Any BL course except BL3990
   Any CH course numbered 1100 or above
   Any PH course except PH2230
   The following GE courses: GE2000, GE2050, GE2200, GE2300, GE2310, GE2640,
   GE2900, GE3100, GE3200, GE3300, GE3320, GE3600, GE3900, GE3920, GE4170,
   GE4500, GE4640, GE4931, GE4932, GE4933
   MY 2100

2. Choose remaining approved electives from above and the following:

   Any Math or Science elective listed above.
   Any BA course except BA1700 and BA2100
   Any CS course except CS1000
   Any EC course
   Any ENG course except ENG3000 and ENG3100
   Any BE, CE, CM except CM3410, GE, MEEM, MG, MY course
   Any EE course (maximum of 4 credits)
   UN4000 Remote Sensing Seminar, UN4500 Technological Entrepreneurship
   UN3002 or UN3003 Co-op (6 credits maximum).

Suggestions:

   CS 1129 Intro to Comp. Sci. II in C++ Strongly recommend! Take after CS1121 instead of CS1122.
   EC 3400 Economic Decision Analysis
   ENG 2120 Statics and Strength of Materials*
   MEEM 2110 Statics*
   MEEM 2200 Thermodynamics *
   MEEM 2700 Dynamics
   MEEM 3210 Fluid Mechanics *(has pre-requisites)
   MY 2100 Intro to Material Science & Engineering

*Note: If you plan to take the Fundamentals of Engineering (FE) Exam during your senior year, it would be beneficial for you to take these courses.

Photonics Electives:

   EE4252 Two Dimensional Signal and Image Processing
   EE4253 Real Time Signal Processing
   EE4256 Fourier Optics
   EE4290 Optical Communication
   MY3700 Electronic, Optical, and Magnetic Properties of Materials
   MY4710 Photonic and Micromechanical Materials and Devices
   EE4257 Digital Image Processing