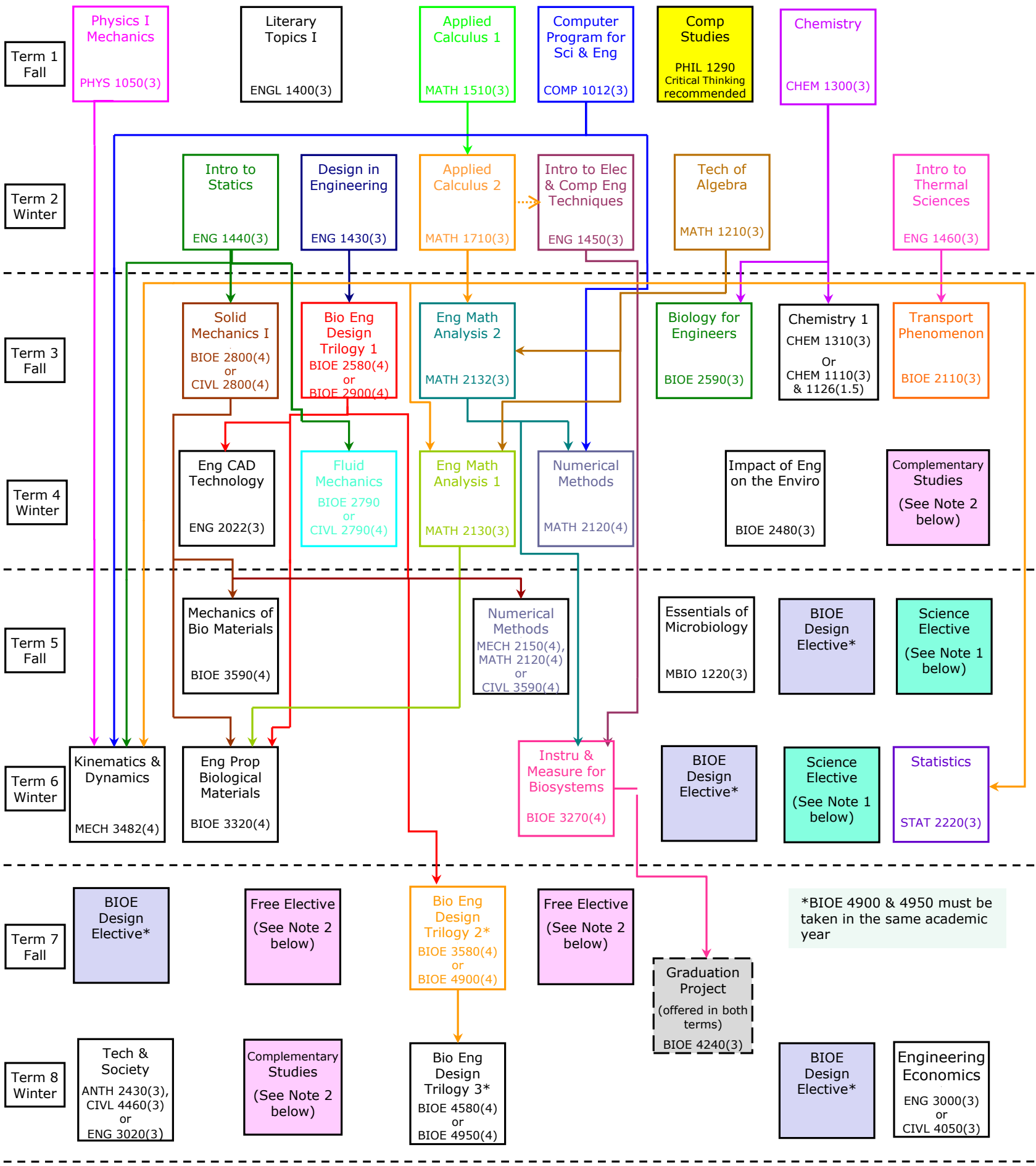
BIOSYSTEMS ENGINEERING: EXAMPLE OF AN 8-TERM PROGRAM

***Pre- and co-requisites for Biosystems Engineering Science and Design Electives are dependent on course selection**



BIOE Design Electives are typically offered in a Two-Year Rotation.

Fall Term – Odd Years	Winter Term – Even Years
BIOE 4390 Unit Operations 1	BIOE 4412 Design of Light-Frame Building
BIOE 4610 Design of Assistive Technology Devices	BIOE 4460 Air Pollution Assessment & Management
BIOE 4600 Design of Water Management System	BIOE 4414 Imaging & Spectroscopy for Biosystems

Fall Term – Even Years	Winter Term – Odd Years
BIOE 4440 Bioprocessing for Biorefining	BIOE 4420 Crop Preservation
BIOE 4620 Remediation Engineering	BIOE 4650 Textiles in Healthcare and Medical Applications
BIOE 4640 Bioengineering Applications in Medicine	BIOE 4590 Management of By-Products from Animal Production

NOTE 1: Choose 2 courses
(specific courses are to be taken if completing a specialization)
AGEC 2370 Principles of Ecology or BIOL 2300 Principles of Ecology
ANSC 3530 The Animal and its Environment
BIOE 2600 Plant and Animal Physiology for Engineers
BIOL 1410 Anatomy of the Human Body
BIOL 1412 Physiology of the Human Body
PLNT 2510 Fundamentals of Horticulture
SOIL 4060 Physical Properties of Soil

NOTE 2: Specific courses are to be taken if completing a specialization

→ prerequisite ⇢ corequisite

Revised: April 28, 2021