# Suggested Course of Study for 3-2 Program in Mechanical or Civil Engineering

## Fall – Year 1
- **MTH 1410** – Calculus I - 4
- **CSC 1710** – Intro to Programming - 4
- **CHM 1010** – Gen. Chemistry I – 3
- **CHM 1011** – Gen. Chm. I Lab - 1
- **FYS 1000** – First Year Seminar - 4
- **EXP 1101** – President’s Seminar - 1
  - Physical Education Core - 1

  18 hours

## Spring – Year 1
- **MTH 1420** – Calculus II – 4
- **CSC 1720** – Advanced Programming - 4
- **CHM 1020** – Gen. Chemistry II – 3
- **CHM 1021** – Gen. Chm. II Lab - 1
- **ENG 1103** – College Writing - 4
- **Foreign Language Core** - 4

  20 hours

## Fall – Year 2
- **MTH 2410** - Calculus III – 4
- **PHY 2010** – Fund. of Physics I - 4
- **History Area I Elective** – 4
- **ECO 2030** – Macroeconomics – 4
- **Vis/Perform Arts Area I Elective** – 4

  20 hours

## Spring – Year 2
- **MTH 2310** – Linear Algebra – 4
- **PHY 2020** – Fund. of Phys. II - 4
- **Global Studies Elective** – 4
- **ECO 2050** – Microeconomics – 4
- **Ethical Reasoning Core** - 4

  20 hours

## Fall – Year 3
- **Engineering Statics**- 3
- **MTH 3410** – Differential Equations - 4
- **Social Science Area II Elective** – 4
- **Religion Area I Elective** – 4

  15 hours

## Spring – Year 3
- **Engineering Dynamics** - 3
- **STS 3200** – Math Stats & Data Ana.- 4
- **PHY 2100** – Electronics - 4
- **Literature Area I Elective** – 4

  15 hours

*Engineering statics and dynamics courses are not offered at HPU and so are not required, but they can be taken at NC A&T University through consortium cross-registration.*