

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 Physics 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.