AA • Engineering

AA.ENG (60 credit hours)

This pre-major is for students who want to pursue a four-year degree in electrical, mechanical, civil, computer science, aerospace, nuclear, agricultural, industrial and environmental engineering. Options in surveying and mapping and materials design and testing are also available.

Careers include positions in the areas of design, testing, research, architecture, electronics, robotics, manufacturing, sales, construction management and technical writing.

General Education Requirements .......................................................................................................................... 36 cr.

Recommended Courses/Electives ....................................................................................................................... 24 cr.

NOTE 1: The list is a guideline. Consult an advisor or counselor for general education and recommended courses/electives for this pre-major, or consult the appropriate advising guide on the HCC website (www.hccfl.edu).

NOTE 2: IDS 2110, Connections is required for graduation.

Recommended Courses

MAC 2311 Calculus and Analytic Geometry I ................................................................. 5 cr.
MAC 2312 Calculus and Analytic Geometry II ............................................................... 5 cr.
MAC 2313 Calculus and Analytic Geometry III ............................................................. 5 cr.
MAP 2302 Differential Equations ...................................................................................... 3 cr.
PHY 2048 General Physics with Calculus I ................................................................. 4 cr.
PHY 2048L General Physics with Calculus I Laboratory ............................................. 1 cr.
PHY 2049 General Physics with Calculus II ................................................................. 4 cr.
PHY 2049L General Physics with Calculus II Laboratory ............................................. 1 cr.
CHM 1045 College Chemistry I ...................................................................................... 3 cr.
CHM 1045L College Chemistry I Laboratory ................................................................. 1 cr.

NOTE 3: The associate in arts degree may be awarded upon satisfactory completion of 60 credit hours. Students are advised to complete the above planned program in order to transfer into a similar program at senior institutions.