

Transfer from an Alabama Community College to Auburn Engineering

All Engineering majors require:

Mth 125 Calculus I

Mth 126 Calculus II

Mth 227 Calculus III

Mth 238 Linear Differential Equations

Phy 213 Calculus-based Physics I

Phy 214 Calculus-based Physics II (not required for Biosystems Engr)

Chm 111 Fundamentals of Chemistry I (not required for Software Engr)

Phl 206 or Ids 102 Ethics (not required by Aerospace)

Many State Community Colleges now teach Egr 101; this course does transfer as Intro to Engineering (Engr 1110)

There are three different computer programming languages taught at Auburn and various majors have specific requirements as to which is appropriate. It is best to call 334-844-4310 and speak with the transfer advisor prior to taking a programming language.

Specific major requirements:

Aerospace

Math 237 Linear Algebra

Biosystems

Chm 112 Fund. of Chemistry II (not required for Forest Option)

Eco 232 Microeconomics

Chemical

Bio 103 Principles of Biology

Chm 112 Fund. Of Chemistry II

Chm 221 Organic Chemistry I

Chm 222 Organic Chemistry II

Civil

World History II or Western Civ. II

Pol 211 American National Government

A sequence in World, British, or American Literature

Chm 112 Fund. Of Chemistry II

A science Elective: Bio 103 (Biology) or Gly 101 (Geology)

Software

Mth 237 Linear Algebra

(Computer Science, while in Engineering, is not an Engineering degree but a B.S. degree. It has several very different requirements from those listed above and will be treated at the end of this list.)

Electrical

Mth 237 Linear Algebra

A Math/ Science Elective: see menu at:

http://www.eng.auburn.edu/files/acad_depts/ece/elecmathscience.pdf

Electrical-Computer Hardware

Mth 237 Linear Algebra

Wireless Electrical

Mth 237 Linear Algebra

(A Math/ Science Elective if opting for the Hardware Specialization)

Industrial & Systems

Mth 237 Linear Algebra

Mechanical

Mth 237 Linear Algebra

Materials

Mth 237 Linear Algebra

Chm 112 Fund. Of Chemistry II

Eco 232 Microeconomics

Polymer & Fiber

Chm 112 Fund of Chemistry II

Mth 237 Linear Algebra

Some general notes:

Engr 1100 (Engineering Orientation) is not required if you transfer 30 or more hours.

World History or Western Civ. is preferred. American History will transfer but it does not cover the mandated Student Learning Outcomes.

University core requires a sequence in either History or Literature. (Civil is an exception to this) You may have a sequence in both without having superfluous hours.

This site contains transfer equivalencies:

http://www.auburn.edu/administration/registrar/helpful_resources/transfer_equivalent.html

Course credit hours must match or exceed those at Auburn; i.e. Mth 125, Calculus I (4 hrs.) equals Math 1610, Calculus I (4 hrs.). A three hour class cannot cover a four hour class. This should never pose a problem for courses taken at a State Community College.

AP/IB credits must be sent to Auburn to receive credit.

All of these courses are not necessarily required in order to transfer but are required for the given degrees.

Computer Science

Mth 125 Calculus I

Mth 126 Calculus II

Mth 237 Linear Algebra

(a math elective is required and may be covered by Mth 227:Calculus III or another higher level math)

Science Sequence and Science Elective

Bio 103 & Bio 104 Prin. Of biology I & II, or

Chm 111 & Chm 112 Fund of Chemistry I & II, or

Phy 213 & Phy 214 Calculus-based Physics I & II, or

Phy 201 & Phy 202 Trig.-based Physics I & II

Gly 101 & Gly 102 Physical Geology & Historical Geology

The Science Elective should be the first class from one of the sequences not chosen for the Science Sequence, but the department may approve a science class not listed above. Physical Science will not cover this requirement.

Sph 106 or Sph 107 Public Speaking

Computer Science also has a unique 9-hour concentration. There are many possibilities here and it is recommended that you speak with an advisor concerning this.

