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

A sequence in World History or Western Civ.

Pol 211   American National Government

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 Engineering

Mth 237   Linear Algebra

Wireless Electrical

Mth 237   Linear Algebra

(A Math/ Science Elective if opting for the Hardware Specialization)
Some general notes:

University core requires a sequence in either History or Literature. Because of reduced core in engineering, it is recommended to complete the World History sequence.

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.