

**Appendix**  
**GEORGIA INSTITUTE OF TECHNOLOGY**  
 Minimum Course Requirements for Admission to the  
 College of Engineering at Georgia Tech

<b>Non-technical Lower Division Credits</b>		
<b>Subject Area at MC</b>	<b>MC Course</b>	<b>Credits</b>
Techniques of Reading and Writing I	EN101	3
Techniques of Reading and Writing II	EN102	3
Introduction to the Study of Ethics	PL202	3
Economics	EC105 or EC201 or EC202	3
History of the United States Since 1865	HS202	3

<b>Technical Lower Division Credits</b>		
<b>Subject Area at Montgomery College</b>	<b>MC Course</b>	<b>Credits</b>
Calculus I	MA181	4
Calculus II	MA182	4
Multi-Variable Calculus (Calculus III at GT)	MA280	4
Differential Equations	MA282 or MA282H	3
Linear Algebra	MA284	3
Principles of Chemistry II or Chemistry for Engineers	CH102 (Req'd for Chem. E.) CH135	4
General Physics I	PH161	3
General Physics II	PH262	4
General Physics III (Science Elective at GT)	PH263	4
Programming Concepts for Engineering or Intermediate Programming Concepts for Engineers (Comp. Sci. I at GT)	EE114 or EE150*	4 or 3
Principles of Biology I and II	See an MC Advisor	8

\*Updated August 2011

Revised June 2012

## **Advising comments for possible transfers to Georgia Institute of Technology**

Note that a student who wants to be admitted to Georgia Tech must have completed EN101 and EN102. In addition, they must have completed (or be currently enrolled in) PL202 (Ethics), HS202 (American History since 1865) and (EC105 or EC201 or EC202). Also, a student must have completed EE150 (C Programming for Engineers) and MA284 (Linear Algebra).

The minimal grade point average (GPA) is 3.3/4.0 and the student needs to have completed about 60 transferable credits. Georgia Tech is a VERY competitive university and is a good fit only for a highly motivated engineering student. MC has transferred about 12 students in the last 5 years to Georgia Tech and there are about 5-6 MC students currently enrolled in the GT engineering program.

**Both** Principles of Biology I and II (BI107-108) are **required** for majors in Civil and Environmental Engineering, and Chemical and Biomolecular Engineering. On completion of BI107-108, students who transfer will be given credit for BIOL 1510 at Georgia Tech.

One further comment may be useful to students who might be expected to make intensive use of computer aided design programs such as Pro/Engineer and AutoCAD. Georgia Tech uses AutoCAD and does not use Pro/Engineer. On the junior level, particularly for Mechanical and Civil/and Environmental Engineering, GT expects students to be familiar with AutoCAD and similar programs. So if a student transfers to GT, they should expect to have to very quickly learn how to efficiently use AutoCAD or whatever program GT is currently using. The shift from Pro/Engineer should not be particularly difficult, but it should not come as a complete surprise on arrival at Georgia Tech.