

# Mathematics Engineering Dual Degree Course Planning Guide

- The planning guide is offered as one possible suggestion only and should be used in consultation with your Academic Advisor.
- Course availability is not guaranteed.
- Prerequisites may be found in the course catalog.

<u>Freshman Year</u> (through summer)	<u>Hours</u>
ENGL 1101 ("C" or better)	3
ENGL 1102 ("C" or better)	3
Area A – MATH 1113	3
Area B – Global Course	3
Area B – Modern Language	4
Area D – CHEM 1211/L	4
Area D – CHEM 1212/L	4
Area D – MATH 1450	4
<div style="border: 1px solid black; padding: 5px; display: inline-block; margin: 10px 0;">                     Complete by 30 hrs. Area A                 </div>	
<u>Sophomore Year</u> (through summer)	
Area F – MATH 2460	4
Area F – MATH 2470	4
Area C – Literature or Modern Language 2001 or 2002	3
Area C – Fine Arts/Philosophy	3
Area F – MATH 2800	3
MATH 3000	3
Area F – CSCI 1371	4
Area F – PHYS 2211/L	4
Area F – PHYS 2212/L	4
<u>Junior Year</u> (through summer)	
PHYS 3111	3
MATH 4600	3
MATH 3650	3
MATH 4200	3
MATH 3350 or MATH 4180	3
Area E – US/GA His. & Gov. Elective	3
Area E – Behavioral Science Elective	3
Area E – Social Science Elective	3
MATH 3XXX/4XXX	6
<b>Semester Hours (minimum)</b>	<b>90</b>

**Notes:**

- Dual Degree Programs are offered in Mathematics/Engineering with the Georgia Institute of Technology, Clemson University, Kennesaw State University, Mercer University, and the University of Georgia. After completing the academic requirements of both institutions, the student receives a bachelor's degree in Mathematics from the University of North Georgia and a bachelor's degree in a chosen engineering field from the second institution.
- Participation in the Dual Degree program at UNG does not guarantee admission into other schools.
- Students must receive a grade of "C" or better in all Math courses.
- 39 overall semester hours must be at the 3000/4000 level.
- MATH 2460 and 2800 are key prerequisites to many subsequent mathematics courses and should be completed as soon as possible. Otherwise, graduation may be delayed.
- Required mathematics courses are offered at least once per year, and most are offered every semester. Currently on the Dahlonega campus, MATH 4200 is only offered in the fall and MATH 4600 (formerly MATH 3600) is only offered in the spring. Elective mathematics courses may only be offered once every 1 to 2 years. Additional courses may be offered on the Gainesville campus.
- Mathematics electives must be 3000/4000 level mathematics courses and cannot include MATH 3100, 3110, 3112, 3116, 3140.