

# Dual-Degree Engineering B.S. Mathematics & Aerospace Engineering\*

**ADVISOR REGISTRATION REQUIRED**

Name \_\_\_\_\_ ID# \_\_\_\_\_

Advisor \_\_\_\_\_

Effective Catalog Year: 2008-2009

## CORE: 61 HOURS

Area A (9 hrs)	Hrs	Term	Grade
ENGL 1101 Composition I (min grade C)	3		
ENGL 1102 Composition II (min grade C)	3		
MATH 1113 Precalculus (min grade C)	3		
Area B (4 hrs min)	Hrs	Term	Grade
CIS 1000	2		
COMM 1110	3		
ENGL 2200	3		
SOCI 2295	2		
SOSC 1000, SOSC 1101, GEOG 1101	2/3		
THEA 1110	3		
WMST 2001	3		
Foreign Language (2000 or higher)	3		
Area C (6 hrs)	Hrs	Term	Grade
ENGL 2110 or ENGL 2120 or ENGL 2130	3		
<b>Select one:</b>	3		
ARTC 1100, MUSC 1100 or THEA 1100			
Area D (12 hrs) <small>Area D Lists</small>	Hrs	Term	Grade
MATH 1120 Calculus I (min grade C)	4		
Lab Science I: PHYS 2211	4		
Lab Science II: PHYS 2212	4		
Area E (12 hrs)	Hrs	Term	Grade
POLS 1101 American Government	3		
HIST 1111 or 1112 World Civilization I or II	3		
HIST 2111 or 2112 US History I or II	3		
ECON 2105 or 2106 (Req. for GIT)	3		
Area F Mathematics (18 hrs)	Hrs	Term	Grade
CSCI 1301 Intro to Structured Program	4		
MATH 2221 Calculus II	4		
MATH 2222 Calculus III	4		
MATH 2223 Discrete Systems I	3		
MATH 2224 Discrete Systems II	3		
Physical Education (4 hrs)	Hrs	Term	Grade
PEDS 1010 Lifetime Fitness	1		
PEDS 2000 CPR/First Aid	2		
PEDS _____ (Activity)	1		
Additional Requirements			
UNIV 1000 _____			
GA HISTORY _____ US HISTORY _____			
GA CONSTITUTION _____ US CONSTITUTION _____			
REGENTS' READING _____ REGENTS' WRITING _____			
SWIMMING _____			

## ADDITIONAL REQ: GSW & GIT 46 HOURS

Required Courses (33 hrs)	Hrs	Term	Grade
CSCI 1302 Adv Structured Program	3		
MATH 3313 Differential Equations	3		
MATH 3320** Scientific Computation	3		
MATH 3322 Math Modeling	3		
MATH 3325 Statistics	3		
MATH 4440 Partial Diff Equations	3		
MATH 4499 Senior Thesis	3		
<b>Select Two Sequences:</b>	12		
MATH 3316/3317 Analysis I/II			
MATH 4412/4413 Modern Algebra I/II			
MATH 4450/4451 Topology I/II			
GIT required GSW courses (8 hrs)	Hrs	Term	Grade
Lab Science I: CHEM 1211/1211L	4		
Lab Science II:	4		
Recommended Free Electives (5 hrs)	Hrs	Term	Grade
PHYS 1101 Intro to Engineering	1		
PHYS 2025 Signal Processing	4		
Required GSW Hours (min.)	Hrs	Term	Grade
record term GSW work completed	90		
GSW University Requirements:			
For receipt of GSW B.S. Mathematics degree, above listed courses must be completed at GSW, a <u>minimum</u> of 39 upper division (3000-4000 level) semester hours must be earned at GSW & GIT, and <u>all</u> GIT <u>aerospace engineering</u> degree requirements must be completed. A final official transcript from GIT with degree posted is also required before the GSW degree will be awarded.			
Students entering 2007-2008 do not have to meet swimming requirement.			
Additional Requirements:			
Minimum grade requirements and specific core courses taken at GSW depend on a specific engineering degree sought at GIT. Additional courses at GIT are required upon acceptance and enrollment at GIT. Consult GIT catalog for acceptance criteria & requirements for each engineering degree. Admission & transfer to GIT is contingent upon GIT standards for admission.			
STUDENT NOTES:			
*Bachelor of Science Engineering degrees offered by GIT include: aerospace, biomedical, chemical, civil, computer, electrical, industrial, materials science, mechanical, and nuclear engineering. Specific core and upper division courses taken at GSW vary with the engineering degree sought at GIT.			
**Satisfies GIT Math Lab requirement.			
ADVISOR NOTES:			
Students should consult with advisors regarding additional GIT courses that could be approved as substitutes for upper division GSW Mathematics electives.			

Prior Degree/Major: \_\_\_\_\_

Earned at: \_\_\_\_\_

Comments: \_\_\_\_\_

Completed by \_\_\_\_\_ Date \_\_\_\_\_