

Accelerated BS/MS Degree Programs in Mechanical and Aerospace Engineering

Purpose

- The Accelerated BS/MS (thesis or non-thesis) degree program in Mechanical Engineering and in Aerospace Engineering at NCSU is designed to give qualified NCSU undergraduates the opportunity to complete a master's degree in *just one (non-thesis) to one-and-a-half (thesis) years beyond the bachelor's degree.*
- The goal is to attract our best undergraduate students into our graduate program.

Mechanism

- Graduate level courses in the ME or AE curriculum may be "double counted" to satisfy requirements of both the BS and MS degrees.
- A minimum of three courses (9 credit hours) and a maximum of four courses (12 credit hours) may be counted toward both the undergraduate and graduate degrees.

Requirements

- A 3.5 or above GPA (overall, as well as in all math, science and engineering courses) at the time of admission and at the time of undergraduate graduation are required. Students should apply in the semester in which 92 credit hours will be accumulated. Transfer students must have completed two semesters as a full-time student at NC State.
- A grade of B or better is required for any courses to be counted toward both degrees. Receiving a B- or lower grade in any "double counted" course makes you ineligible for the Accelerated BS/MS degree program.
- Students must complete all requirements for the MS degree in no more than 12 months from the completion of the baccalaureate degree if the non-thesis option is selected and in no more than 18 months if the thesis option is selected.

Application Procedure

- First complete the pre-application form and submit to the MAE Director of Graduate Programs.
- Once pre-approved, visit <http://www2.acs.ncsu.edu/grad/applygrad.htm> and submit the following (when asked to enter date you wish to enroll, enter the date of the semester after expected receipt of BS degree):
 - Application with \$55 check
 - NC residency form
 - Two copies of NCSU transcripts
 - Three references
 - Statement of career Goals

Course Substitutions for 4th Year

	Replacement courses from graduate program			
	Graduate Tracks			
Undergraduate courses available for replacement	ME			AE
	Thermo/Fluids	Solids/Design	Dyn/Vibr & Control	
MAE 435 Prin Auto Ctrl	MAE 521 or 534			
MAE 4XX Dept Elect*	MAE 501	MAE 533	MAE 513	MAE 521
MAE 4XX Dept Elect*	MAE 505	MAE 513	MAE 517	MAE 534
MAE 4XX Dept Elect*	MAE 550	MAE 541	MAE 518	MAE 586
MAE 4XX Dept Elect*	MAE 586	MAE 586		MAE 5XX
MAE 455 Bndry Lyr Thry				MAE 550
MAE 462 Fli Veh Sta Ctrl				MAE 525
MAE 475 Propulsion				MAE 504
*May take math or other non-departmental 4XX and 5XX course				

Financial Support

Teaching or research assistantships may be available to MS thesis option students once all requirements for the BS degree have been met.

Questions

Prof. Robert T. Nagel
 Director of MAE Graduate Programs
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Course Offerings

Fall Graduate Courses	Spring Graduate Courses
MAE 504, 505, 513, 518, 521, 524, 533, 541, 551, 557, 586, Math Courses	MAE 501, 517, 525, 534, 545, 586, Math Courses

Accelerated BS/MS Degree Program Pre-Application Form

Name: _____ Date: ____/____/____

Student ID #: _____ Email: _____

Credit hours to date: _____ Current GPA: _____

List all courses you will take during your **senior year**. Be sure to list double counted courses. Circle the semester and write the year on the blank line.

Fall / Spring _____	Fall / Spring _____

Summer I _____	Summer II _____

List all courses you will take while an **MS candidate**. Circle the semester and write the year on the blank line.

Fall / Spring _____	Fall / Spring _____

Summer I _____	Summer II _____