Introduction

In our highly technical and global economy, a bachelor’s degree might not provide sufficient skills for the complex engineering problems found in the workplace. As a result, the master’s degree has become a valuable asset that provides the additional knowledge and specialization needed to succeed in a technical career. To that end, the Woodruff School offers a BS/MS Program for outstanding students who want to obtain a graduate degree. The BS/MS Program allows students to apply to graduate school during their sophomore or junior year.

BS/MS Application - www.me.gatech.edu/undergraduate/BSMS

Advantages of the Program

• There is no application fee and you need not take the Graduate Record Exam (GRE) for admission to the program.
• You can use six hours of electives from your undergraduate curriculum toward both your B.S. and M.S. degrees.
• There is no obligation to complete your master’s degree if your plans change.
• Students who plan to work on a master’s thesis should meet with faculty during their senior year to discuss support for their master’s degree. Support includes a graduate research assistantship (GRA) or a graduate teaching assistantship (GTA), and the appropriate tuition reduction and stipends.

Who Is Eligible To Apply

• Completed between 30 and 75 credit hours at Georgia Tech, including all transfer and advanced placement credits;
• More than 75 credit hours, you will be considered for the program on a case-by-case basis.
• Transfer students with more than 75 credit hours are eligible for the program, but should apply after completing 12 – 24 hours of credit at Georgia Tech. The grade point average (GPA) for admission to the program is based only on classes taken at Georgia Tech;
• Shown appropriate progress in your degree program in Mechanical Engineering or Nuclear and Radiological Engineering;
• Obtained a grade point average (GPA) of 3.5 or higher at Georgia Tech.

Application Requirements

• Application
• One faculty recommendation
• Short Essay
MASTER’S DEGREE OPTIONS

Participants in the BS/MS Program in the Woodruff School can obtain a master’s degree in mechanical engineering, nuclear and radiological engineering, medical physics, paper science and engineering, or bioengineering. There are two options to consider.

The Non-thesis Option
- This option is similar to your undergraduate degree in that you simply take classes according to the MS degree requirements.
- There is no funding available in this case.
- With proper planning, the MS non-thesis degree can be completed in one year. Well-motivated students can complete the MS in medical physics in one-and-a-half years.

The Thesis Option
- This option involves working with a faculty member on a project in one of the traditional or cutting edge research areas in the Woodruff School. This will give you hands-on experience in working with a faculty mentor; the chance to work in a laboratory or a research environment; and the chance to perform theoretical and experimental work. These events will foster your career interests and expand your selection of possible employers.
- You may have a Graduate Research Assistantship and receive a stipend and a tuition waiver.
- The time to graduation depends on your thesis project, your advisor, and your work ethic.

STUDENT PROFILES

NICHOLAS NGOO  
(BSME 2008, MSME 2009)

The BS/MS program allowed me to be one step ahead toward my future during my undergraduate years. I knew that I would continue to get a world class education from the Institute that gave me a strong engineering foundation. I like the fact that I could save six hours of graduate school hours by double counting two ME classes. Staying in Atlanta allowed me to quickly adapt to graduate school life as I only had to worry about school compared with moving to a new environment. Thanks to the BS/MS program, I was able to choose an adviser whose personality and research area were suitable for me as I had him for one of my undergraduate classes.

ALICE A. CHEUNG  
(BSNRE 2008, MSMP 2010, currently working on her Ph.D.)

The BS/MS program has helped a lot in getting started in my research and getting to know my advisor while I was still an undergraduate student. It made the transition to graduate school seamless. Since I was an undergraduate student, I already knew most of the faculty and staff very well so whenever I had a question, I knew who to ask to get answers. It was nice not having to take the GRE. I also liked the fact that I could start taking graduate courses while I was an undergraduate. Being in the BS/MS program definitely made me more focused as an undergraduate because I knew where I was going to be after I graduated.

For more information about the BS/MS Program contact:  Dr. Paul Neitzel  
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