



Parks College of Engineering, Aviation and Technology

Accelerated BS-MS Program in Engineering

Program Description:

The Accelerated BS-MS (ABM) Program in Engineering is an accelerated program that allows high achieving students to complete both B.S. and M.S. degrees in a total of 5 years. The BS degree is in the student's undergraduate major (aerospace, biomedical, civil, computer, electrical, engineering physics or mechanical engineering), and the M.S. degree is in engineering in the student's chosen major. The master's degree provides additional technical depth and specialization that can lead to expanded career opportunities and responsibilities, as well as preparation for doctoral (Ph.D.) studies.

Students entering the Accelerated BS-MS Program in Engineering will be subject all current undergraduate and graduate admissions and degree requirement policies of Parks College and Saint Louis University, unless stated otherwise below.

Admission Standards:

1. A minimum of 75 credits applicable to an undergraduate degree in engineering with a cumulative GPA of 3.25/4 or better must be completed prior to **applying** for the ABM program.
2. A minimum of 90 credit hours of coursework applicable to an undergraduate engineering degree must be completed prior to **enrollment** in the ABM program.
3. Applicants to the ABM program are not required to take the Graduate Record Examination (GRE) or TOEFL exam. They also do not need to submit letters of recommendation.
4. Other than the higher GPA requirements and omission of the GRE, TOEFL and letters of recommendation, the admission standards for the ABM will be consistent with normal admission criteria for the M.S. degree program.
5. Students must apply for admission to the ABM program through their chosen major. Majors' coordinators will review applications and make recommendations to the Parks College Associate Dean of Graduate Education & Research who will make the final admission decisions.
6. Applicants applying for a Thesis BS-MS Accelerated Program must fill out an additional page of the application detailing a research plan that includes the scope of research and a timeline, signed by the student and their thesis advisor.

Degree Requirements:

Students may apply up to 15 credits of graduate coursework (5000 level and above) toward their bachelor's degree. Admission to the ABM program does not require completion of the bachelor's degree; however, admission to the M.S. degree will require completion of the bachelor's degree. Please note that individual majors may have other guidelines or requirements in addition to those described here.

Standards and Procedures for Monitoring Student Progress:

1. Students must establish a Guidance Committee no later than their first semester in the ABM program (fall of their senior year) and must meet with the Committee every semester to ensure they are making satisfactory progress.
2. Satisfactory progress in the ABM program is achieved if the student remains in good standing while in the undergraduate program and maintains satisfactory academic progress. The Graduate Education standard for satisfactory academic progress is a minimum GPA of 3.0. Additional information on

academic standards is described in the Catalog

3. Students will be considered undergraduates until all B.S. degree requirements have been completed and the B.S. degree is awarded.
4. Students may apply up to 15 credits of graduate coursework (5000 level and above) toward both their bachelor's and master's degree. Taking more than 15 credits of graduate course work (5000 level and above) will count towards the master's degree. Other degree requirements and restrictions will be as described in the Catalog for the M.S. program in Engineering.
5. Students must maintain continuous full-time enrollment as a student in the BS-MS program—final year of undergraduate program and graduate portion of the program—with no break in enrollment.
6. Admission to the Accelerated BS-MS Program allows students to take graduate courses. ABM students do not need to petition to take graduate courses.
7. Student financial aid can be affected by graduate classification. Students should consult with Student Financial Services regarding how their graduate classification may impact their financial aid.
8. Undergraduate students enrolled in ABM program are not eligible for research assistantship appointments before they enter the M.S. program. However, they can be paid hourly for working on research projects if funding is available.
9. Enrollment in the ABM program does not guarantee graduate student tuition or stipend support in the fifth year. Students should work with their Guidance Committee to discuss support options.

The major events and deadlines are:

1. Spring of junior year: apply for ABM Program
2. Before end of spring semester of junior year: notification of acceptance to ABM Program
3. October of senior year fall: apply for graduation for B.S. degree through Banner
4. April 1st of senior year spring: ABM progress review with advisor
5. May of senior year spring: complete BS degree, change to graduate student status
6. Fall semester of MS year: complete a Program of Study form for the M.S. degree
7. Fifth year: complete requirements for MS degree

Typical Course Flow for the ABM:

Students participating in the ABM program will satisfy the degree requirements for their specific undergraduate major (currently 124 to 128 total credits) in their fourth year. The following is a typical two-year schedule for the ABM program. It is not intended to be a rigid schedule. Depending on a student's background, additional courses may be required.

Fourth Year:

1. Complete all remaining B.S. degree requirements including up to 15 credits, 5000 level or above, of coursework to also count toward the M.S. degree. Student may enroll in no more than 15 hours each semester if enrolled in graduate coursework.
2. B.S. Degree conferred
3. Admission to the Graduate Program

Fifth Year:

1. Graduate level coursework
2. Complete additional requirements for M.S. degree (30 total credits, thesis or project credits, defense, etc.)
3. M.S. degree conferred

Extension Notes: Students who do not finish the program by the Summer of their 5th/MS year can apply for 1 semester extension, with no guarantees the extension will be approved. During this 1 semester extension, they may be allowed to register in 0 hours of Thesis research, with special approval.

If students do not finish their program within the extension semester, they will be required to register in a minimum of 3 hours each semester thereafter, until they graduate.