

MICHIGAN STATE UNIVERSITY

January 15, 2018

MEMORANDUM

TO: Dr. R. Sekhar Chivukula, Associate Provost for Undergraduate Education and Dean of Undergraduate Studies

FROM: Dr. John Gaboury, Associate Provost for Academic Services, Enrollment Management, and Academic Initiatives

RE: Request to Change the Admission to the College Requirements in the College of Engineering

For Transmittal to the University Committee on Undergraduate Education (UCUE)

The request referenced above is being sent to you for action by the University Committee on Undergraduate Education (UCUE).

UCUE Response Requested:

Please ask the UCUE to consider the request referenced above. Please mail the related materials referenced under the heading Attachments at the end of this memorandum to the members of the UCUE.

The request referenced above will be included on the agenda for the February 15, 2018 meeting of Subcommittee A, University Committee on Curriculum (UCC). Requests that are approved by Subcommittee A on February 15 will be before the Full Committee, UCC, for action on March 1, 2018. Requests that are approved by the Full Committee on March 1 will be included in the March 20, 2018, Report of the UCC to the Faculty Senate.

If you have any questions about this memorandum or the attached materials, please call me at 5-8420.

Thank you for your help.

Attachments:

1. Entry for the February 15, 2018 meeting of Subcommittee A.
2. Request for Changes in an Academic Program forms dated November 10, 2017: Admission to the College statement in the College of Engineering and attachments.
3. Draft, of the work copy for the Academic Programs section of the University catalog: Admission to the College, College of Engineering, page 1 .

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University Curriculum and Catalog

Hannah Admin. Building
426 Auditorium Road
Room 439
East Lansing, MI 48824

517-355-8420
Fax: 517-355-9601

COLLEGE OF ENGINEERING

1. Request to change the **Admission to the College** statement in the College of Engineering. The University Committee on Undergraduate Education (UCUE) will consider this request.
 - a. Under the heading **Admission to the College** make the following changes:
 - (1) Replace item 1. with the following:
Complete of at least 28 credits of Michigan State University courses.
 - (2) Replace item 3. with the following:
A minimum grade of 2.0 in all mathematics courses.

Effective Fall 2018.



Michigan State University Office of the Registrar

Main Menu

(ProgramsMenu.aspx)

Program Name: Engineering - Admission to the College Degree: BS Sequence Number: 4	Program Request ID: 3633
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Effective Dates: Fall 2018 - Open	Status: Interim	Initial Action: Change
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Requested Date: 11/7/2017 2:29:09 PM

1. Department/School/College:

16256 College of Engineering

2. Name of Program:

Engineering - Admission to the College

3. Name of Degree:

BS

4. Type of Program:

Major

5. Effective Start Semester:

Prev: Fall 2013

New: Fall 2018

6. Target student audience for the program:

Undergraduate engineering students

7. Enrollment:

What is the expected enrollment per year: 700

What is the minimum enrollment acceptable: 400

8. Source of budget for the program:

To align academic planning and curricular change, ALL requests for NEW funds must be included in the College's annual planning letter. Provost approval of new funds and the effective date for the new program must align. If funding is not approved, then the program request will not be forwarded to Faculty Senate.

College reallocation

If new funds, was this request included in the College's annual planning letter?

Indicate yes or no. If no, then this is a department or college fund reallocation (If the program is implemented, no additional resources are required.).

9. Projected Costs as compared to other programs in unit:

Same

10. Staff requirement:

How many additional staff will be required: 0

Who will provide the primary instruction. Describe any external linkages(industry, government, etc.):

11. Will additional equipment be required:

Approximate cost: 0

Source of funding:

12. Will additional library materials be required:

Approximate cost: 0

Source of funding: current resources are sufficient

13. Will additional space be required:

Type:

Approximate amount:

14. If the program requirements contain a named concentration, do you wish for the concentration to be noted on the student's transcript?:

No

15. Detailed Description:

Admission to the College of Engineering and a specific major provides access to enroll in certain courses required for the major. Enrollments in the College of Engineering are limited.

Admission is based on the average of the cumulative grade–point average of all courses taken and a grade–point average calculated on mathematics, physical and biological sciences, and engineering courses.

For additional information, students should contact the Office of the Associate Dean for Undergraduate Studies, College of Engineering.

Minimum criteria for admission to the college are:

1. Completion of at least ~~12 credits of Michigan State University courses, including at least 6 credits in mathematics, physical and biological sciences, and engineering for freshmen and sophomores, and at least 10 credits in mathematics, physical and biological sciences, and engineering for juniors and seniors.~~ 28 college credits earned after matriculation to Michigan State University.
2. Completion of Mathematics 132 and 133.

3. A minimum grade point average of 2.0 in all mathematics courses.
4. Completion of Chemistry 141 or 151 or approved substitution or waiver. Computer Science majors are not required to fulfill this requirement.
5. Completion of Physics 183.
6. Completion of Engineering 102 or Computer Science and Engineering 231 or Computer Science and Engineering 220 or approved substitution or waiver.
7. Completion of Engineering 100.

Freshmen and sophomores who have declared specific engineering majors (excluding Engineering No-Preference) are automatically reviewed at the end of every semester, and are either admitted or informed of their progress. Others may apply for admission during each semester, and applications will be reviewed after the end of each semester. Students must be admitted to a degree-granting college at the time they have completed 56 credits.

16. Are there admissions requirements for this program?:

Grade or grade-point average requirements and if so in which course(s), portfolio requirement, audition, essay, etc. If there are not admission requirements other than those required by the University policy indicate "none".

Prev: ?

New: Admission to the College of Engineering and a specific major provides access to enroll in certain courses required for the major. Enrollments in the College of Engineering are limited. Admission is based on the average of the cumulative grade-point average of all courses taken and a grade-point average calculated on mathematics, physical and biological sciences, and engineering courses. For additional information, students should contact the Office of the Associate Dean for Undergraduate Studies, College of Engineering. Minimum criteria for admission to the college are: Completion of at least 28 college credits earned after matriculation to Michigan State University. Completion of Mathematics 132 and 133. A minimum grade of 2.0 in all mathematics courses. Completion of Chemistry 141 or 151 or approved substitution or waiver. Computer Science majors are not required to fulfill this requirement. Completion of Physics 183. Completion of Engineering 102 or Computer Science and Engineering 231 or Computer Science and Engineering 220 or approved substitution or waiver. Completion of Engineering 100. Freshmen and sophomores who have declared specific engineering majors (excluding Engineering No-Preference) are automatically reviewed at the end of every semester, and are either admitted or informed of their progress. Others may apply for admission during each semester, and applications will be reviewed after the end of each semester. Students must be admitted to a degree-granting college at the time they have completed 56 credits.

17. Type(s) of change(s):

Move admissions decision from 12 credits to 28 credits

18. Students who will be affected by the proposed changes:

Undergraduate students seeking admission to the College of Engineering

19. Will the proposed change(s) have a negative impact on students? If so, which ones?:

Describe impact and explain what accommodations will be made:

20. Reason(s) for change(s):

Improved retention and graduation of early engineering students. Better opportunities for advising and career

exploration. Moves college in line with others who admit at 28 credits.

DEPARTMENT LEVEL APPROVAL STATUS

Approved: College of Engineering
11/10/2017 8:28:25 AM by Mary Pease for Neeraj Buch, Associate Dean

COLLEGE LEVEL APPROVAL STATUS

Approved: College of Engineering
11/10/2017 8:32:57 AM by Mary Pease for Neeraj Buch, Associate Dean

Call us: (517) 355-3300

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Admission to the College

Admission to the College of Engineering and a specific major provides access to enroll in certain courses required for the major. Enrollments in the College of Engineering are limited.

Admission is based on the cumulative grade-point average of all courses taken and a grade-point average calculated on mathematics, physical and biological sciences, and engineering courses.

For additional information, students should contact the Office of the Associate Dean for Undergraduate Studies, College of Engineering.

Minimum criteria for admission to the college are:

1. Completion of at least ~~12~~²⁸ credits of Michigan State University courses, including at least 6 credits in mathematics, physical and biological sciences, and engineering for freshmen and sophomores, and at least 10 credits in mathematics, physical and biological sciences, and engineering for juniors and seniors.
2. Completion of Mathematics 132 and 133.
3. A minimum grade-point average of 2.0 in all mathematics courses.
4. Completion of Chemistry 141 or 151 or approved substitution or waiver. Computer Science majors are not required to fulfill this requirement.
5. Completion of Physics 183.
6. Completion of Engineering 102 or Computer Science and Engineering 231 or Computer Science and Engineering 220 or approved substitution or waiver.
7. Completion of Engineering 100.

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