

Pre-Engineering @ UMKC School of Computing and Engineering

Pre-Engineering is a designation for students whose academic preparation is below the automatic admission requirements in the School of Computing & Engineering. Pre-Engineering students will be provided with additional support and resources to assist them in succeeding in the SCE programs.

Pre-Engineering students will...

- 1** Meet with their academic advisor three times per semester, during week 3 or 4, week 8 or 9, and to enroll for the next semester during weeks 13 or 14. Students will contact their advisor via email or by scheduling an appointment when they have questions about course enrollments, university policies and resources, or other academic concerns.
- 2** Join the Roo Up Seminar page through Canvas. View the posted videos and accompanying resources. The seminars include information on time management, study skills, note taking, stress management, career preparation, and much more. More information on how to join the Canvas page can be found online at <https://www.umkc.edu/asm/success/seminars.cfm>.
- 3** Attend at least two hours of tutoring each week. There are several free tutoring options: UMKC Tutoring offers tutoring in math, physics, chemistry, and biology in the Atterbury Student Success Center and online; SCE offers peer tutoring in first and second year engineering and CS courses; the Writing Studio assists students with essays and papers; and NetTutor is an online tutoring service through UMKC Tutoring. Tutoring schedules are listed on each office's website.
- 4** Attend Supplemental Instruction sessions for any enrolled course. SI sessions are intended to supplement the information learned in class with informal seminars to compare course notes, discuss assignments, and develop study skills for the topic. The sessions are led by trained, peer SI Leaders who have taken the course and been successful in it.
- 5** Discuss the right number of credits to take each semester with their advisors. Some students may find that taking fewer credits (12-14) will be more beneficial to their academic success than a heavier courseload (15-18 credits). While it may take a student longer to complete the degree, students will often complete their courses with higher grades and fewer retaken courses.

Once students have completed the pre-engineering coursework with the required minimum grades (advisors will share with students which courses these are for each major), students will no longer have the pre-engineering designation. Pre-Engineering is designed to support students as they enter and move forward in their academic career in SCE.

Questions? Students should contact their SCE academic advisor for more information.