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Engineering Models 1- Matlab SC463

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Engineering Models 1-Matlab

Course Information:

1. Engineering Models 1-Matlab is year long, 2 semester credit hour programming course to prepare students for engineering. Students at most colleges are required to take an introductory Matlab course and this course is targeted for that purpose.
2. Engineering Models 1-Matlab is targeted for juniors and seniors who are planning on majoring in engineering.
3. Engineering Models 1-Matlab is a dual credit and students can receive UC credit for the course
4. Students who are progressing to take pre-calculus or higher as seniors are eligible for Engineering Models.



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- Comments on Dual Credit-during the past year many students at Moeller choose to pay a \$220 fee get two semester hours of University of Cincinnati college credit from Engineering Models 1-Matlab. They did not have to complete anything extra to get the credit. The credit is transferrable to all Ohio state schools (and most private schools).
- Engineering 1 is also a dual credit at the University of Cincinnati.



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Course Description: Matlab is a software that is used by engineers both at college and in engineering practice. At Moeller we follow the introductory Matlab course from the University of Cincinnati. Our assignments, quizzes are similar to those at the University of Cincinnati.



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Academic Requirements:

1. The main focus of Matlab is to solve engineering and mathematical problems.
2. Students work on homework and projects on their own and we meet in class to review progress. Lab activities involving Matlab are also completed.
3. Students need to do 2-4 hours of work on homework outside of class. This class has much more homework than Engineering 1-4.



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- Engineering students at college have Calculus as their first math class so it is important that students work as hard as possible and learn as much as possible to make a smooth transition to college. Students need to be progressing take pre-calculus during their senior year in order to qualify for Engineering 1-4. Seniors need to be taking Physics or AP Physics to qualify for Engineering 1-4.



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- The link below will show you a brief video about Engineering Models 1-Matlab.



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