

# MESA (MATH, ENGINEERING, SCIENCE ACHIEVEMENT), CERTIFICATE OF COMPETENCY

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A two-course certificate of competency program for MESA students will support and enhance their academic success within the STEM pathways through developing knowledge and facility with the existing college processes and resources. The classes also provide a forum and instruction in soft-skill (writing, speaking, etc.) development that will improve workforce preparation.

## Program Outcomes

1. Produce higher rates of persistence in MESA students compared to other calculus-based STEM major students.
2. Progress at the institution (re-enrolling, graduating and transferring to a four-year institution) at higher rates compared to students with similar characteristics who do not participate in the MESA program.
3. Demonstrate improvement in content mastery through the completion of writing and discussion exercises and use of appropriate college resources.

## Certificate of Competency

A certificate in a recognized career field articulated with degree-applicable coursework, completion of an associate degree, or transfer to a baccalaureate institution.

For more information regarding noncredit, please visit <https://orangeoastcollege.edu/academics/adult-education/index.html> (<https://orangeoastcollege.edu/academics/adult-education/>)

Course	Title	Hours
NS A010N	MESA (Math, Engineering, Science Achievement) Seminar	63
NS A011N	MESA (Math, Science, Engineering Achievement) Laboratory and Industry Exploration	63
Total Hours		126