Certification Cohort
Stevenson University
Master of Arts in Teaching - Math or Science

Purpose of Cohort
The purpose of this cohort is to provide conditional math and science teachers the opportunity to pursue a Master of Arts in Teaching and meet initial certification requirements while actively teaching for BCPS. This STEM focused program is built around the frameworks of active and engaged student-centered learning, with a focus on inquiry, problem and project-based learning, and the Concrete Representational Abstract (CRA) model of instruction. Educators will learn how to facilitate student development of grit and persistence with math and science content. Embedded in the program are Next Gen Science Standards, National Council of Teachers of Mathematics (NCTM) Principles to Actions, and Maryland College and Career Readiness Standards. Coursework is included to strengthen teachers' math and science content knowledge as well.

Outcome
Participants who successfully complete this program will earn a Master of Arts in Teaching and meet all Maryland initial certification requirements for teaching at middle or high school levels in mathematics or science, depending on the participant's specific content area.

Tuition Cost
Participant - $100 per credit
BCPS - $300 per credit

Sequence of Courses (Fall 2022 thru Fall 2025)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th># of Credits</th>
</tr>
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<tbody>
<tr>
<td>Fall 2022</td>
<td>ED 510: Psychology and Development of Adolescents*</td>
<td>3</td>
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<tr>
<td>(start date: August 29, 2022)</td>
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<tr>
<td>Fall 2022</td>
<td>ED 605: STEM Curriculum Principles and Practices</td>
<td>3</td>
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<td>(start date: October 24, 2022)</td>
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<tr>
<td>Spring 2023</td>
<td>ED 615: Principles of Assessment</td>
<td>3</td>
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<tr>
<td>Fall 2023</td>
<td>Elective Course: ED 550/ED560/ED 690 – select one</td>
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<tr>
<td>Fall 2023</td>
<td>ED 630: Principles of Special Education</td>
<td>3</td>
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<tr>
<td>Spring 2024</td>
<td>ED 620: Literacy Strategies in the STEM Content Areas</td>
<td>3</td>
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<tr>
<td>Summer 2024</td>
<td>ED 625: Advanced Literacy Strategies in the STEM Content Areas</td>
<td>3</td>
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<tr>
<td>Fall 2024</td>
<td>ED 640: Methods and Technologies of Teaching Secondary Math and Science with a STEM Focus I</td>
<td>3</td>
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<tr>
<td>Fall 2025</td>
<td>ED 645: Methods and Technologies of Teaching Secondary Math and Science with a STEM Focus II</td>
<td>3</td>
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<tr>
<td>Fall 2025</td>
<td>ED 710: Professional Internship</td>
<td>6</td>
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*Online; 1 day residency on campus
Admissions Requirements

1. Completed online application
2. Completion of a bachelor’s degree in a science or math discipline or related field from a regionally accredited institution.
3. Official college transcripts from all previous academic work. If the transcripts are from an institution located outside of the United States, students must submit an official course-by-course transcript evaluation from an organization that is a current member of the National Association of Credential Evaluation Services (NACES). A member list is available on the NACES website.
4. A cumulative GPA of 3.0 on a 4.0 scale in past academic work.
5. Analysis of transcripts to determine if all required content coursework has been met to satisfy the field of licensure (Biology, Chemistry, Earth/Space Science, Physical Science, Physics, or Mathematics) requirements.

*Additional materials may be requested at the discretion of the admissions committee.

Application Deadline: August 12, 2022

BCPS Contact Information

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Cohort Partner Contact Information

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