

Best Choices Guide

Mathematics - Secondary Education Option (BS)

This Associate of Arts degree is designed for Colorado Community College System (CCCS) students who want to transfer to UCCS and complete a Bachelor of Science degree with a major in Mathematics - Secondary Education Option. It is based on the [best academic advising choices](#) for future UCCS students.

To earn the Associate of Arts Degree, students must complete the following course requirements for a total of 60 semester credit hours, at least 34 of which must be Colorado State-Guaranteed Courses. Courses taken at other colleges, AP, IB, CLEP, DSST, and other sources of credit may not be applicable upon transfer to UCCS even if applied to the associate's degree at CCCS. Check the CDHE's [GT Pathways](#) website for more information.

To transfer to UCCS, students should have a cumulative GPA of 2.0 or better.

| Degree Requirements | Courses | | | | | | | | | | | | |
|---|---|---|---|---------|---|---------|---|---------|---|---------|---|-------------------|---|
| Written Communication (6 hours) | <ul style="list-style-type: none"> ENG 121 ENG 122 <p><i>Note: Students who test into ENG 122 should take ENG 201 or HIS 265 as their second written communication course.</i></p> | | | | | | | | | | | | |
| Oral Communication (3 hours) | <ul style="list-style-type: none"> Complete COM 125 or COM 220 | | | | | | | | | | | | |
| Mathematics (5 hours) | <ul style="list-style-type: none"> MAT 201 | | | | | | | | | | | | |
| Arts & Humanities (6 hours) | <ul style="list-style-type: none"> Complete two GT-AH courses (GT-AH1) (GT-AH2) (GT-AH3) (GT-AH4) | | | | | | | | | | | | |
| History (3 hours) | <ul style="list-style-type: none"> Complete one GT-HI1 course (GT-HI1) (DO NOT take more than one GT-HI course for this AA.) | | | | | | | | | | | | |
| Social & Behavioral Sciences (9 hours) | <ul style="list-style-type: none"> Complete three GT-SS Courses (GT-SS1) (GT-SS2) (GT-SS3) | | | | | | | | | | | | |
| Physical and Life Sciences (7 hours) | <ul style="list-style-type: none"> Complete two GT-SC courses. (GT-SC1) (GT-SC2) <p>At least one course MUST come from the GT-SC1 category.</p> <p><i>Note: Credits over 7 will be applied to the additional Science hours below.</i></p> | | | | | | | | | | | | |
| Additional Requirements (21 hours) Courses recommended by UCCS for this degree. | <table border="1"> <tbody> <tr> <td>Two additional hours of Natural & Physical Sciences (GT-SC1, GT-SC2)</td> <td>2</td> </tr> <tr> <td>MAT 202</td> <td>5</td> </tr> <tr> <td>MAT 203</td> <td>4</td> </tr> <tr> <td>MAT 215</td> <td>4</td> </tr> <tr> <td>MAT 255</td> <td>3</td> </tr> <tr> <td>General Electives</td> <td>3</td> </tr> </tbody> </table> | Two additional hours of Natural & Physical Sciences (GT-SC1 , GT-SC2) | 2 | MAT 202 | 5 | MAT 203 | 4 | MAT 215 | 4 | MAT 255 | 3 | General Electives | 3 |
| Two additional hours of Natural & Physical Sciences (GT-SC1 , GT-SC2) | 2 | | | | | | | | | | | | |
| MAT 202 | 5 | | | | | | | | | | | | |
| MAT 203 | 4 | | | | | | | | | | | | |
| MAT 215 | 4 | | | | | | | | | | | | |
| MAT 255 | 3 | | | | | | | | | | | | |
| General Electives | 3 | | | | | | | | | | | | |

Other AA/AS Requirements

- A minimum of 60 credit hours in a prescribed program of study with a cumulative grade point average of 2.0 (a C average). At least 15 of these credit hours must be earned from CCCS.
- Only 6 elective credits are allowed in any combination of PED courses.
- Career and technical courses, whether taken at another institution or at CCCS, are not accepted toward this degree without approval. Approval is given only when it is appropriate to the educational objectives of the student.
- Courses numbered below 100 do not apply towards degrees

Foreign Language Note – UCCS

UCCS admission requirements include 2 years of the same high school foreign language (or equivalent 2 semesters at a Colorado Community College). Students planning to attend UCCS who do not have the prerequisite foreign language requirement should consider enrolling in these courses in addition to the degree requirements. Students who do not meet this requirement will need to fulfill it upon transferring to UCCS. This admission requirement does not apply to those who graduated from high school prior to 1988, who have a GED, who graduated from a non-U.S. high school, or who can prove proficiency in a foreign language through the 2nd semester at college level. **Please check with the Transfer Advisor (transfer@uccs.edu) to see if this requirement applies to you.**

Additional Resources

The UCCS transfer website (www.uccs.edu/transfer) has many additional resources for students transferring from CCCS to UCCS.

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Four-Year Degree Plan - Mathematics - Secondary Education Option

The following four-year plan lists all the specific course requirements for the Bachelor of Science in Mathematics - Secondary Education Option degree at UCCS. Courses are listed by the course number at the appropriate institution. The order in which these courses are taken may vary with course availability. **Students are responsible for completing all course prerequisites.** Please note that this is a *suggested* degree program; your program may vary.

Suggested First Year

| FALL | | | SPRING | | |
|------|--------------|-----------|--------|------------------|-----------|
| √ | Course | Hours | √ | Course | Hours |
| | ENG 121 | 3 | | ENG 122 | 3 |
| | MAT 201 | 5 | | MAT 202 | 5 |
| | GT-AH course | 3 | | GT-SC1 course | 4 |
| | GT-SS course | 3 | | General Elective | 3 |
| | TOTAL | 14 | | TOTAL | 15 |

Suggested Second Year

| FALL | | | SPRING | | |
|------|---------------|-----------|--------|--------------------|-----------|
| √ | Course | Hours | √ | Course | Hours |
| | MAT 203 | 4 | | COM 125 or COM 220 | 3 |
| | MAT 215 | 4 | | MAT 255 | 3 |
| | GT-HI1 course | 3 | | GT-AH course | 3 |
| | GT-SC course | 5 | | GT-SS course | 3 |
| | | | | GT-SS course | 3 |
| | TOTAL | 16 | | TOTAL | 15 |

Suggested Third Year

| FALL | | | SPRING | | |
|------|------------------------------------|-----------|--------|-------------------------|-----------|
| √ | Course | Hours | √ | Course | Hours |
| | MATH 2650 | 1 | | MATH 3110 (Spring Only) | 3 |
| | MATH 3210 | 3 | | MATH 3400 | 3 |
| | MATH 3480 or UTLS 3480 (Fall Only) | 3 | | MATH 3410 (Spring Only) | 3 |
| | HUM 3990 | 3 | | UTED 3020 | 3 |
| | UTED 1030 | 3 | | UTED 4710 | 3 |
| | UTED 2010 | 3 | | UTLS 3030 (Spring Only) | 3 |
| | TOTAL | 16 | | TOTAL | 18 |

Suggested Fourth Year

| FALL | | | SPRING | | |
|------|-------------------------------|-----------|--------|--------------|-----------|
| √ | Course | Hours | √ | Course | Hours |
| | MATH 3810 | 3 | | UTED 4730 | 12 |
| | MATH 4140 or 4310 (Fall Only) | 3 | | | |
| | MATH 4000 Elective | 3 | | | |
| | MATH 4000 Elective | 3 | | | |
| | UTED 4720 | 3 | | | |
| | TOTAL | 15 | | TOTAL | 12 |

UCCS Bachelor of Science, Mathematics - Secondary Education Option Major Requirements

- A minimum of 120 hours must be completed with a cumulative CU grade point average of 2.0; at least 45 of these hours must be at the upper-division level (courses numbered 3000-4999).
- The Mathematics - Secondary Education Option major requires a minimum of 33 hours with a grade point average of 2.0, and at least 16 of the hours must be at the upper-division level (courses numbered 3000-4999).
- The last 30 hours of the degree must be completed while registered in the College of Letters, Arts and Sciences at UCCS.
- In addition to the requirements listed on this handout, students are required to complete one course in Oral Communication, Cultural Diversity and Global Awareness. The courses may be within the major, part of general education or electives. Mathematics - Secondary Education Option majors will meet these requirements by completing the required courses at UCCS.

Prospective Student Advising: Transfer Advisor (transfer@uccs.edu)