Secondary or P-12 Education Certification

For Those Interested in Secondary Education (Grades 6-12) Certification with a BIOLOGY Degree

Students who plan to seek teacher certification after completion of the B.A. or B.S. Biology program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Biology requirements are met, no other biology content courses are required. However, students are strongly encouraged to pursue “broad fields” Science certification which includes the areas of biology, chemistry, earth science, and physics. To meet broad fields content requirements, in addition to the biology degree, 15 credit hours in each of two additional content areas (Chemistry, Physics, or Earth-Space Science) are required.

Credit Hours

CHEM - advisor recommended
PHYS - advisor recommended:
  PHYS 2211
  PHYS 2212
  PHYS 3536  Modern Physics I

Earth-Space Science - advisor recommended

The following education courses may also be taken as electives while enrolled in your bachelor’s program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

Credit Hours

ITEC 3430  Instructional Technology for P-12 Teaching Fields
READ 3330  Content Literacy
SPED 3333  Introduction to Special Education

Education Area F “Preprofessional Block” (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

- BA/BS/BBA majors can take the complete 9 credit hour PPB block of courses with the required 50 credit hour field experience; OR
- BA/BS/BBA majors can take Exploring Learning and Teaching (EDUC 2130) concurrently with PPB Practicum (EDUC 2090) (50 contact credit hours in a school) – total of 3 credit hours. After taking Exploring Learning and Teaching (EDUC 2130), those students can take one or both of the other PPB courses with approximately 10 credit hours of field experience with each course. These courses are:
  - Investigating Critical and Contemporary Issues in Education (EDUC 2110) (3)
  - Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (EDUC 2120) (3)

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with a CHEMISTRY Degree

Students who plan to seek teacher certification after completion of the B.A. or B.S. Chemistry program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Chemistry requirements are met, no other chemistry content courses are required. However, students are strongly encouraged to pursue “broad fields” Science certification which includes the areas of biology, chemistry, earth science, and physics. To meet broad fields content requirements, in addition to the chemistry degree, 15 credit hours in each of two additional content areas (Biology, Physics, or Earth-Space Science) are required.

Credit Hours

BIOL - advisor recommended
PHYS - advisor recommended:
  PHYS 2211
  PHYS 2212
  PHYS 3536  Modern Physics I

Earth-Space Science - advisor recommended

The following education courses may also be taken as electives while enrolled in your bachelor’s program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

Credit Hours

ITEC 3430  Instructional Technology for P-12 Teaching Fields
READ 3330  Content Literacy
SPED 3333  Introduction to Special Education

Education Area F “Preprofessional Block” (PPB) courses may also be taken; however the PPB courses will not count toward meeting certification requirements or MAT degree requirements. These courses can provide undergraduate students information and experiences in school settings that will help them make more informed decisions about becoming a teacher. Since the three PPB courses have USG-mandated field requirements, the following guidance should be followed:

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NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.
For Those Interested in Secondary Education (Grades 6-12) Certification with a GEOGRAPHY Degree:

Students who plan to seek teacher certification after completion of the B.A. or B.S. Geography program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Geography requirements are met, no other geography content courses are required. However, students are strongly encouraged to pursue certification in more than one social science field to enhance employment opportunity. Plan to complete at least 12 credit hours in one or more of the following fields: Economics, History, and/or Political Science, with advisor guidance in selection. These courses should be completed as part of the minor or electives.

The following education courses may also be taken as electives while enrolled in your bachelor’s program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

<table>
<thead>
<tr>
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<tbody>
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  - Investigating Critical and Contemporary Issues in Education (EDUC 2110) (3)
  - Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (EDUC 2120) (3)

NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with a MATHEMATICS Degree:

Students who plan to seek teacher certification after completion of the B.S. or B.S.Mat. Mathematics program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. To meet content requirements, the following courses must be completed as part of or in addition to your current program of study.

<table>
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<tr>
<td>MATH 3130</td>
<td>College Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 5136</td>
<td>History of Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

hours in each of TWO additional content areas (Biology, Chemistry, or Physics) are required.

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Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

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Secondary or P-12 Education Certification

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<td>MATH 5234</td>
<td>Number Theory</td>
<td>3</td>
</tr>
<tr>
<td>STAT 5531</td>
<td>Statistical Methods I</td>
<td>3</td>
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The following education courses may also be taken as electives while enrolled in your bachelor’s program:

Courses that a student can take as an undergraduate that will count toward certification requirements but will not count toward MAT degree requirements are:

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NOTE: GACE Program Admission Assessment and GACE Content Assessment examination and 2.5 cumulative GPA requirements must be met for certification program admission and should be considered during enrollment in the bachelor’s program.

For Those Interested in Secondary Education (Grades 6-12) Certification with a PHYSICS Degree

Students who plan to seek teacher certification after completion of the B.A. or B.S.P. program may achieve this through the Master of Arts in Teaching (MAT) or a non-degree certification program. If all B.A. or B.S. Physics requirements are met, no other physics content courses are required. However, students are strongly encouraged to pursue “broad fields” Science certification which includes the areas of biology, chemistry, earth science, and physics. To meet broad fields content requirements, in addition to the physics degree, 15 credit hours in each of TWO additional content areas (Biology, Chemistry, or Earth-Space Science) are required.

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<td>CHEM</td>
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<tr>
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