MAT - MASTER OF ARTS IN TEACHING

Program Description
The Master of Arts in Teaching (MAT) is a 39-48 credit program designed specifically for college graduates holding an appropriate liberal arts degree in Biology, Chemistry, English, Geology, History, or Mathematics who have not had a formal background in education and who wish to prepare for a teaching career in adolescence education grades 7-12.

Upon successful completion of the program, candidates will be recommended to the New York State Education Department for Initial/Professional Certification.

Program Objectives
Candidates who successfully complete all required components of the MAT program in Adolescence Education at SUNY New Paltz will:

- **Content Knowledge**: Enhance content area through synthesizing scientific conceptual understandings with pedagogical practice and implementation.

- **Planning**: Be able to plan lessons in science that are NYSP-12SLS standards-based, are clear and organized, rely upon a variety of appropriate pedagogical practices, include appropriate technologies, and differentiate instruction that provides opportunities to promote appreciation of diversity, tolerance, and inclusion in safe, democratic, and equitable learning environments.

- **Assessment and P-12 Learning**: Be able to choose, design, and implement authentic and appropriate formative and summative assessments to evaluate student learning, consider assessment data when making instructional decisions, and identify effective or problematic teaching moments as they are occurring in order to facilitate student growth in specified content, cognitive skills, and/or social skills.

- **Pedagogical Practice**: Demonstrate the ability to maximize student learning by incorporating content with pedagogical knowledge, utilizing appropriate and effective technology, and implementing a variety of developmentally and contextually appropriate evidence-based instructional strategies to make learning meaningful and relevant for students while teaching.

- **Dispositions**: Exhibit the knowledge, skills, and dispositions necessary to practice an ethically informed and self-reflective philosophy, participate effectively in institutional change, and develop respectful relationships with students, families, communities and colleagues.

- **Critical Thinking**: Identify, analyze, and evaluate different methods of planning, assessing, and teaching in order to develop well-reasoned arguments that support pedagogical decisions, and transfer these skills to students through the development of higher order thinking lesson development.

- **Information Management**: Use technology and basic research techniques in order to locate, evaluate, and synthesize best-practices concepts in content knowledge, planning, assessment, and pedagogical practice.

Admission Requirements
Applicants to the Master of Arts in Teaching programs must meet the following criteria:

1. A 3.0 or better GPA in all undergraduate course work and in an appropriate undergraduate major.
   a. The undergraduate major should be comparable in breadth, depth, and rigor to the New Paltz undergraduate major in the same field, including course work that includes a broad and rigorous general education and general science component for applicable majors.

2. Write an admissions essay responding to the following prompt:
   a. Reflect on a time when your idea or belief was questioned or challenged. Or, conversely, reflect on a time when your idea or belief was validated. What happened? In what way(s) could this time be considered a learning experience?
   *As you reflect, please include at least one reference to the School of Education's Conceptual Framework and discuss how it speaks to your experience.*

3. Applicants specializing in English must submit a 10-15 page academic writing sample.

4. Three academic or professional recommendations are required. At least two of your recommendations should be from professors with whom you have taken courses.

5. Applicants who graduated from college more than 5 years ago should make every effort to obtain such references and/or equivalent professional references (e.g. job supervisor). We will not accept references from friends or family members.

Application Deadlines

<table>
<thead>
<tr>
<th>Application Period</th>
<th>Date</th>
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<tbody>
<tr>
<td>Fall semester</td>
<td>October 1</td>
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<tr>
<td>Spring semester</td>
<td>March 1</td>
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Applications received after this date will be considered; however, enrollment is not guaranteed.

Curriculum Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>First Semester (11-17 Credits)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SED540</td>
<td>Graduate Foundations of Adolescence Education Seminar</td>
<td>1</td>
</tr>
<tr>
<td>EDS539</td>
<td>Social Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDS730</td>
<td>Adolescent Development</td>
<td>3</td>
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<tr>
<td>XXXXXX</td>
<td>Course in Discipline</td>
<td>0-3</td>
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<tr>
<td>XXXXXX</td>
<td>Course in Discipline - English &amp; Social Studies only</td>
<td>0-3</td>
</tr>
<tr>
<td>SED703</td>
<td>Curriculum: Designs for Literacy, Learning, and Assessment in Adolescence Education</td>
<td>3</td>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SED551</td>
<td>Field Experience I</td>
<td>1</td>
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| **Second Semester (14-17 Credits)** |                                           |         |
| SPE565  | Teaching in Inclusive Classrooms           | 3       |
| SED525  | Digital Literacies and Learning in Secondary Education | 1 |
| SEDXXX  | Discipline-Specific Methods Course         | 3       |
| XXXXXX  | Course in Discipline                        | 0-3     |
| SED552  | Field Experience II                        | 1       |
| SEDXXX  | Discipline-Specific Education Course       | 3       |
### Program Requirements

Complete prescribed course work and other requirements within five years after matriculation.

Deficiencies in the candidate’s undergraduate preparation in the subject area or major shall be remedied by early advisement with the Secondary Education advisor.

Maintain a cumulative grade point average of 3.0 or better, with no more than two grades below B-.

Student teaching with seminar and fieldwork III (14 credits).

### Additional Requirements

- Students must receive satisfactory scores on the New York State Teacher Certification Examinations. More information on these tests may be obtained at [http://www.nystce.nesinc.com](http://www.nystce.nesinc.com).

Students are responsible for their own transportation to the field and student teaching placements and must be prepared to commute up to 45 miles, one way, to these placements.

Upon graduation, students will receive the Master of Arts in Teaching (MAT) degree. Students will have completed all academic requirements for both initial and professional certification and will be recommended for both certifications. Students will receive their professional certificate after they have completed three years of satisfactory secondary teaching experience in their discipline and notification of such to the State Education Department.

For information on obtaining a teaching credential in New York State, please visit the New York State Education Department website at [http://www.highered.nyserd.gov/tcert/](http://www.highered.nyserd.gov/tcert/).

### Program Learning Outcomes

#### Adolescence Education Biology (MAT)

Candidates who successfully complete all required components of the Adolescence Biology program at SUNY New Paltz will:

- **Content Knowledge**: Enhance content area through synthesizing scientific conceptual understandings with pedagogical practice and implementation.

- **Planning**: Be able to plan lessons in science that are NYSP-12SLS standards-based, are clear and organized, rely upon a variety of appropriate pedagogical practices, include appropriate technologies, and differentiate instruction that provides opportunities to promote appreciation of diversity, tolerance, and inclusion in safe, democratic, and equitable learning environments.

- **Assessment and P-12 Learning**: Be able to choose, design, and implement authentic and appropriate formative and summative assessments to evaluate student learning, consider assessment data when making instructional decisions, and identify effective or problematic teaching moments as they are occurring in order to facilitate student growth in specified content, cognitive skills, and/or social skills.

- **Pedagogical Practice**: Demonstrate the ability to maximize student learning by incorporating content with pedagogical knowledge, utilizing appropriate and effective technology, and implementing a variety of developmentally and contextually appropriate evidence-based instructional strategies to make learning meaningful and relevant for students while teaching.

- **Dispositions**: Exhibit the knowledge, skills, and dispositions necessary to practice an ethically informed and self-reflective philosophy, participate effectively in institutional change, and develop respectful relationships with students, families, communities and colleagues.

- **Critical Thinking and Reasoning**: Clearly articulate an issue or problem; identify, analyze, and evaluate ideas, data, and arguments as they engage in planning, assessing, and teaching; and acknowledge limitations such as perspective and bias as they develop well-reasoned arguments to form judgements and/or draw conclusions that support pedagogical decisions.

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<thead>
<tr>
<th>XXXXX</th>
<th>Course in Discipline OR alternative approved by advisor</th>
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<tbody>
<tr>
<td>Third Semester: Student Teaching (14 Credits)</td>
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<tr>
<td>SED553</td>
<td>Field Experience III</td>
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</tr>
<tr>
<td>SED604</td>
<td>Practicum in Secondary Ed 7-9</td>
<td>6</td>
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<tr>
<td>SED605</td>
<td>Practicum in Secondary Ed 10-12</td>
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<tr>
<td>SED606</td>
<td>Practicum Seminar</td>
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Total Credits: 39-48

1. The MAT in Science Education comprises 39 credits and does not require graduate-level courses in the discipline. Rather, it incorporates 6 credits of discipline-specific pedagogy coursework.

2. Discipline-specific education coursework combines content and content-specific pedagogical methods.

3. English and social studies students will meet this requirement through a content-area course (e.g. ENGS5XX or HIS5XX). Mathematics, science, and foreign language students typically will meet the requirement with an education or liberal-arts elective course.
• **Information Literacy:** Locate appropriate resources effectively using appropriate tools; evaluate information with an awareness of authority, validity, and bias; and demonstrate an understanding of the ethical dimensions of information use, creation, and dissemination as they relate to the field of education.

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**Adolescence Education Chemistry (MAT)**

Candidates who successfully complete all required components of the MAT Adolescence Chemistry program at SUNY New Paltz will:

• **Content Knowledge:** Enhance content area through synthesizing scientific conceptual understandings with pedagogical practice and implementation.

• **Planning:** Be able to plan lessons in science that are NYSP-12SLS standards-based, are clear and organized, rely upon a variety of appropriate pedagogical practices, include appropriate technologies, and differentiate instruction that provides opportunities to promote appreciation of diversity, tolerance, and inclusion in safe, democratic, and equitable learning environments.

• **Assessment and P-12 Learning:** Be able to choose, design, and implement authentic and appropriate formative and summative assessments to evaluate student learning, consider assessment data when making instructional decisions, and identify effective or problematic teaching moments as they are occurring in order to facilitate student growth in specified content, cognitive skills, and/or social skills.

• **Pedagogical Practice:** Demonstrate the ability to maximize student learning by incorporating content with pedagogical knowledge, utilizing appropriate and effective technology, and implementing a variety of developmentally and contextually appropriate evidence-based instructional strategies to make learning meaningful and relevant for students while teaching.

• **Dispositions:** Exhibit the knowledge, skills, and dispositions necessary to practice an ethically informed and self-reflective philosophy, participate effectively in institutional change, and develop respectful relationships with students, families, communities and colleagues.

• **Critical Thinking and Reasoning:** Clearly articulate an issue or problem; identify, analyze, and evaluate ideas, data, and arguments as they engage in planning, assessing, and teaching; and acknowledge limitations such as perspective and bias as they develop well-reasoned arguments to form judgements and/or draw conclusions that support pedagogical decisions.

• **Information Literacy:** Locate appropriate resources effectively using appropriate tools; evaluate information with an awareness of authority, validity, and bias; and demonstrate an understanding of the ethical dimensions of information use, creation, and dissemination as they relate to the field of education.

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**Adolescence Education Earth Science (MAT)**

Candidates who successfully complete all required components of the MAT Adolescence Earth Science program at SUNY New Paltz will:

• **Content Knowledge:** Enhance content area through synthesizing scientific conceptual understandings with pedagogical practice and implementation.

• **Planning:** Plan lessons in the English language arts that are standards-based; structured in accordance to learners’ needs; use differentiated instructional strategies and appropriate technologies; promote diversity and inclusion; and contribute to safe, democratic, and equitable learning environments.

• **Assessment and Learning for Adolescents, grades 7-12:** Choose, design, and implement authentic and appropriate formative
Candidates who successfully complete all required components of the Adolescence Social Studies program at SUNY New Paltz will:

- **Content Knowledge:** Enhance content area mastery by completing 9-12 hours of graduate-level coursework in social studies.
- **Planning:** Be able to plan lessons in social studies that are standards-based, clear and organized, rely upon a variety of appropriate instructional strategies and appropriate technologies, and differentiate instruction, providing opportunities to promote appreciation of diversity, tolerance, and inclusion in safe, democratic, and equitable learning environments.
- **Assessment and P-12 Learning:** Be able to choose, design, and implement authentic and appropriate formative and summative assessments to evaluate student learning, consider assessment data when making instructional decisions, and identify effective or problematic teaching moments as they are occurring in order to facilitate student growth in specified content, cognitive skills, and/or social skills.
- **Pedagogical Practice:** Demonstrate the ability to maximize student learning by incorporating content and pedagogical content knowledge, appropriate and effective technology, and a variety of developmentally and contextually appropriate evidence-based instructional strategies to make learning meaningful and relevant for students while teaching.
- **Dispositions:** Exhibit the knowledge, skills, and dispositions necessary to practice an ethically informed and self-reflective philosophy, participate effectively in institutional change, and develop respectful relationships with students, families, communities and colleagues.
- **Critical Thinking and Reasoning:** Clearly articulate an issue or problem; identify, analyze, and evaluate ideas, data, and arguments as they engage in planning, assessing, and teaching; and acknowledge limitations such as perspective and bias as they develop well-reasoned arguments to form judgments and/or draw conclusions that support pedagogical decisions.
- **Information Literacy:** Locate appropriate resources effectively using appropriate tools; evaluate information with an awareness of authority, validity, and bias; and demonstrate an understanding of the ethical dimensions of information use, creation, and dissemination as they relate to the field of education.

Adolescence Education Mathematics (MAT)

Candidates who successfully complete all required components of the MAT Adolescence Math program at SUNY New Paltz will:

- **Content Knowledge:** Enhance content area through synthesizing mathematical conceptual understandings with pedagogical practice and implementation.
- **Planning:** Be able to plan lessons in math that are NCTM standards-based, are clear and organized, rely upon a variety of appropriate pedagogical practices, include appropriate technologies, and differentiate instruction that provides opportunities to promote appreciation of diversity, tolerance, and inclusion in safe, democratic, and equitable learning environments.
- **Assessment and P-12 Learning:** Be able to choose, design, and implement authentic and appropriate formative and summative assessments to evaluate student learning, consider assessment data when making instructional decisions, and identify effective or problematic teaching moments as they are occurring in order to facilitate student growth in specified content, cognitive skills, and/or social skills.
- **Pedagogical Practice:** Demonstrate the ability to maximize student learning by incorporating content with pedagogical knowledge, utilizing appropriate and effective technology, and implementing a variety of developmentally and contextually appropriate evidence-based instructional strategies to make learning meaningful and relevant for students while teaching.

- **Dispositions:** Exhibit the knowledge, skills, and dispositions necessary to practice an ethically informed and self-reflective philosophy, participate effectively in institutional change, and develop respectful relationships with students, families, communities and colleagues.
- **Critical Thinking and Reasoning:** Clearly articulate an issue or problem; identify, analyze, and evaluate ideas, data, and arguments as they engage in planning, assessing, and teaching; and acknowledge limitations such as perspective and bias as they develop well-reasoned arguments to form judgments and/or draw conclusions that support pedagogical decisions.
- **Information Literacy:** Locate appropriate resources effectively using appropriate tools; evaluate information with an awareness of authority, validity, and bias; and demonstrate an understanding of the ethical dimensions of information use, creation, and dissemination as they relate to the field of education.
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