### (CCP) Recommended Course

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
<th>First Semester</th>
<th>Temple University Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101</td>
<td>3</td>
<td>English Composition I</td>
<td>ENG 0802</td>
</tr>
<tr>
<td>CIS 103</td>
<td>3</td>
<td>Applied Computer Technology</td>
<td>CIS L***</td>
</tr>
<tr>
<td>PSYC 101</td>
<td>3</td>
<td>Introduction to Psychology</td>
<td>PSY 1001</td>
</tr>
<tr>
<td>MATH 162</td>
<td>3</td>
<td>Precalculus II</td>
<td>MATH 1022</td>
</tr>
<tr>
<td>HIST 101 <strong>OR</strong></td>
<td>3</td>
<td>U.S. History: Colonial America through the Revolutionary Era <strong>OR</strong> U.S. History: The 20th Century</td>
<td>HIST 1101 <strong>OR</strong> HIST 1102</td>
</tr>
</tbody>
</table>

**Semester Total:** 15

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Credits</th>
<th>Second Semester</th>
<th>Temple University Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 102</td>
<td>3</td>
<td>The Research Paper</td>
<td>ENG T***</td>
</tr>
<tr>
<td>ED 201</td>
<td>3</td>
<td>Introduction to Education <strong>Note 2</strong></td>
<td>EDUC T***</td>
</tr>
<tr>
<td>ENGL 221 <strong>OR</strong></td>
<td>3</td>
<td>Survey of American Literature: From the Beginnings to the Civil War <strong>OR</strong> Survey of American Literature: From the Civil War to the Present <strong>OR</strong> African-American Literature II</td>
<td>ENG 2301 <strong>OR</strong> ENG 2302 <strong>OR</strong> ENG 2402</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>4</td>
<td>General Chemistry I</td>
<td>CHEM 1021 &amp; CHEM 1023</td>
</tr>
</tbody>
</table>

**Semester Total:** 17

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Credits</th>
<th>Third Semester</th>
<th>Temple University Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED 214</td>
<td>3</td>
<td>Cognition and Learning in the Classroom</td>
<td>EDUC T***</td>
</tr>
<tr>
<td>PSYC 209</td>
<td>3</td>
<td>Adolescent Psychology</td>
<td>EDUC 2109</td>
</tr>
<tr>
<td>CHEM 102</td>
<td>4</td>
<td>General Chemistry II <strong>Note 7</strong></td>
<td>CHEM 1022 &amp; CHEM 1024</td>
</tr>
<tr>
<td>MATH 172</td>
<td>4</td>
<td>Calculus II <strong>Note 7</strong></td>
<td>MATH 1042</td>
</tr>
<tr>
<td>BIOL 106</td>
<td>4</td>
<td>General Biology I <strong>Note 7</strong></td>
<td>BIOL 1012</td>
</tr>
</tbody>
</table>

**Semester Total:** 18

<table>
<thead>
<tr>
<th>Fourth Semester</th>
<th>Credits</th>
<th>Fourth Semester</th>
<th>Temple University Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED 255</td>
<td>3</td>
<td>Teaching English Language Learners</td>
<td>EDUC T***</td>
</tr>
<tr>
<td>ED 265</td>
<td>3</td>
<td>Introduction to Special Education and Inclusive Practices</td>
<td>SPED 2231</td>
</tr>
<tr>
<td>ART 103 <strong>OR</strong></td>
<td>3</td>
<td>History of Art: Ancient to Renaissance <strong>OR</strong> History of Art: Renaissance to Modern</td>
<td>ARTH 1155 <strong>OR</strong> ARTH 1156</td>
</tr>
<tr>
<td>BIOL 107</td>
<td>4</td>
<td>General Biology II <strong>Note 1</strong></td>
<td>BIOL 1011</td>
</tr>
<tr>
<td>PHYS 111</td>
<td>4</td>
<td>General Physics I <strong>Note 1</strong></td>
<td>PHYS 1021</td>
</tr>
</tbody>
</table>

**Semester Total:** 17

**Total Credits Taken:** 67

---

AA Education: Middle Level (4th to 8th Grade) to BS Education: Middle Grades Education, Mathematics and Science Concentration

*Page 4 of 6*
Notes:

1) It is strongly recommended that students select the following classes at CCP. These classes satisfy major requirements at Temple. Students transferring without these classes may need additional semesters at Temple to complete their degree.
   - MATH 162: Precalculus II is equivalent to MATH 1022: Precalculus
   - ENGL 221: Survey of American Literature: From the Beginnings to the Civil War, ENGL 222: Survey of American Literature: From the Civil War to the Present, or ENGL 251: African-American Literature II is equivalent to ENG 2301: Survey of American Literature I, ENG 2302: Survey of American Literature II, or ENG 2402: African American Lit II
   - MATH 171: Calculus I is equivalent to MATH 1041: Calculus I
   - CHEM 101: General Chemistry I is equivalent to CHEM 1021: Introduction to Chemistry I and CHEM 1023: Introduction to Chemistry I Laboratory
   - CHEM 102: General Chemistry II is equivalent to CHEM 1022: Introduction to Chemistry II and CHEM 1024: Introduction to Chemistry II Laboratory
   - MATH 172: Calculus II is equivalent to MATH 1042: Calculus II
   - BIOL 106: General Biology I is equivalent to BIOL 1012: General Biology II
   - BIOL 107: General Biology II is equivalent to BIOL 1011: General Biology I
   - PHYS 111: General Physics I is equivalent to PHYS 1021: Introduction to General Physics I

2) Temple’s College of Education will accept ED 201: Introduction to Education as fulfilling the EDUC 2103 requirement through a DARS exception.

3) For certification, the Pennsylvania Department of Education requires a minimum number of credits in the areas of Social Studies, Mathematics, Science and Language Arts. It is recommended that students select from the recommended courses to meet these minimum requirements.

4) CCP graduates who transfer with the Associate in Arts in Education: Middle Level (4th to 8th Grade) satisfy Temple’s GenEd requirements by GenEd-to-GenEd transfer.

5) To see how CCP courses might transfer consult Temple’s Transfer Equivalency Tool: http://admissions.temple.edu/transfer-equivalency-tool.

Clearance and Testing Notice:

In order to register for 3000+ level teacher education program courses, students must have passed the Basic Skills Assessment test criteria set forth by the Pennsylvania Department of Education. Namely, students must have earned minimum scores in one of the following tests: SAT, ACT, PAPA or Praxis Core Academic Skills for Educators. Students must also be in compliance with the College of Education clearances policy.

For additional information about Basic Skills Assessment tests: http://www.education.pa.gov/Teachers%20-%20Administrators/Certifications/Pages/Certification-Testing.aspx#.Vg6YEviVgw.

For additional information regarding clearances see: http://www.temple.edu/education/clearances.html.
If the suggested classes are successfully completed and an Associate in Science in Education: Middle Level is awarded, the remaining four semesters for the Bachelor of Science in Education: Middle Grades Education, Mathematics and Science Concentration follows:

### Remaining Requirements at Temple University

#### Fifth Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1015</td>
<td>Introduction to Numbers and Figures</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 2306</td>
<td>Assessment and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1004</td>
<td>Introduction to Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>MGRE 3109</td>
<td>Cognitive Development in the Content Areas</td>
<td>3</td>
</tr>
<tr>
<td>MGRE 3111</td>
<td>Application of Learning Theory to Middle Grades Education</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Total:** 16

#### Sixth Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>History Elective</td>
<td>Recommended: History 2104, 2111, 2216</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2021</td>
<td>Functions and Modeling</td>
<td>3</td>
</tr>
<tr>
<td>MGRE 3145</td>
<td>Teaching and Learning Math in the Middle Grades</td>
<td>3</td>
</tr>
<tr>
<td>MGRE 4108</td>
<td>Teaching and Learning Science in the Middle Grades</td>
<td>3</td>
</tr>
<tr>
<td>SPED 4109</td>
<td>Education Students with Disabilities in Inclusive Settings</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Total:** 15

#### Seventh Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1013</td>
<td>Elements of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>Probability and Statistics</td>
<td></td>
</tr>
<tr>
<td>MATH 2031</td>
<td>OR Probability and Statistics</td>
<td></td>
</tr>
<tr>
<td>MGRE 3196</td>
<td>Teaching and Learning Literacy in the Middle Grades</td>
<td>3</td>
</tr>
<tr>
<td>MGRE 3296</td>
<td>Cultures, Communities, and Families</td>
<td>3</td>
</tr>
<tr>
<td>SPED 3187</td>
<td>Integrating Literacy and Special Ed Practicum</td>
<td>3</td>
</tr>
<tr>
<td>ENES 3338</td>
<td>Foundations of Language Teaching: Teaching English Language Learners in 4-12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Total:** 15

#### Eighth Semester

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGRE 4888</td>
<td>Student Teaching in Middle Grades</td>
<td>9</td>
</tr>
<tr>
<td>MGRE 4801</td>
<td>Senior Seminar and Performance Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 4111</td>
<td>Classroom and Conflict Management in Grades 4-12</td>
<td>3</td>
</tr>
</tbody>
</table>

**Semester Total:** 15

**Credits transferred as part of the AA in Education: Middle Level (4th to 8th Grade)** 67

**Remaining BS in Education: Middle Grades Education (Math & Science Concentration)** 61

**Total # of Credits Completed to Fulfill the Requirements for the BS Education: Middle Grades Education, Mathematics & Science Concentration:** 128

**Notes:**
1) For certification, the Pennsylvania Department of Education requires a minimum number of credits in the areas of Social Studies, Mathematics, Science and Language Arts. It is recommended that students select from the recommended courses to meet these minimum requirements.

### Applying
1) To find the online application:
   a. Go to http://admissions.temple.edu/apply/transfer-applicant  
   b. Click on “Apply Online”

2) All inquiries about the undergraduate program and application are handled through the Office of Undergraduate Admissions. If you have specific questions about your application or the admission process, please call 215-204-7200.

3) Inquiries specific to the Temple Bachelor of Science in Education: Middle Grades Education program or specific course requirements can be directed to the Shimada Resource Center in the College of Education at 215-204-8011.

4) Temple University requires that all undergraduate degree candidates complete 45 hours of the last 60 hours of the degree or program as matriculated students at Temple University. If a matriculated student previously took Temple courses on a non-matriculated basis, those courses are counted towards this requirement.