## CORE COURSES (35 credits)

**FRESHMAN SEMINAR**
- **1**
  - 1F MATH 192 First-Year Seminar in Mathematical Sciences (FA only) [1]

**COMMUNICATION**
- **6**
  - CO 150 College Composition [3]
  - 1 course from AUCC Category 2 *(JTC 300 recommended)* [3]

**BIOLOGICAL/PHYSICAL SCIENCES**
- **13**
  - A total of 13 credits. Must include courses from at least two different subject codes.
    - (2-F) PH 141 Physics/Scientists & Engineers [5]

**ARTS/HUMANITIES**
- **6**
  - Select two courses from Category 3B [3]

**SOCIAL/BEHAVIORAL SCIENCES**
- **3**
  - 2F EDUC 275 Schooling in the U.S. [3]

**HISTORICAL PERSPECTIVES**
- **3**
  - Select one course from Category 3D [3]

**GLOBAL/CULTURAL AWARENESS**
- **3**
  - Select one course from Category 3E [3]

* Students who have entered a college or university before July 1, 2008 can choose SPCM 200 or a course from AUCC Category 2

## MATHEMATICAL SCIENCES (40 credits)

**MATHEMATICS**
- **30**
  - 1F MATH 160 Calc for Physical Scientists I [4]
  - 1S MATH 161 Calc for Physical Scientists II [4]
  - 2F MATH 230 Discrete Math for Educators (FA only) [3]
  - 2F MATH 261 Calc for Physical Scientists III [4]
  - 3S MATH 317 Advanced Calc. of One Var [3]
  - 3F MATH 366 Intro to Abstract Algebra [3]
  - 2S MATH 369 Linear Algebra [3]
  - 4F MATH 425 History of Mathematics (FA only) (Capstone) [3]
  - 3S MATH 470 Euclidean & Non-Euclidean Geometry (SP only) [3]

**COMPUTER SCIENCE**
- **4**
  - Select 4 credits from CS 150 [3], CS 152 [2], CS 163 [4], CS 164 [4], MATH 151 [1], MATH 152 [1], and MATH/CS 158 [1].

**STATISTICS**
- **3**

**MATH SCIENCE ELECTIVES**
- **3**
  - Select 3 credits from among:
    - STAT 420[3], STAT 430[3], or Upper-Division Math courses excluding those ending in -80 to -99.
    - MATH 340 (recommended) [4]

**MINOR, SECOND MAJOR**
- MINOR: ________________________________
- SECOND MAJOR: ________________________

## ADD’L COURSES (45 credits)

**EDUCATION FOUNDATION**
- **17**
  - 2F EDUC 275 Schooling in the US [3]
  - 3 EDUC 331 Educ. Tech. [2]
  - 2S EDUC 340 Literacy & the Learner [3]
  - 3 EDUC 350 Instr. Management [3]
  - 3 EDUC 386 Practicum-Instruction I [1]
  - 4F EDUC 450 Instruction II* [4]
  - 4F EDUC 466E Practicum* [1]
*EDUC 450, EDUC 466E and EDUC 464 should be taken together.

**MATH METHODS**
- **4**
  - 3S EDUC 464 Methods & Materials in Teaching Mathematics (Spring) [4]

**FIELD EXPERIENCE**
- See Teacher Licensure Checksheet

**PROFESSIONAL SEMESTER**
- **12**
  - 4S EDUC 485B Var. Student Teaching (Secondary) [11]

**UNRESTRICTED ELECTIVES**
- **12**
  - Recommended: HES 240 or Red Cross Emergency Care and First Aid Credentials.

## GRADUATION REQUIREMENTS

- Total credits (at least 120 credits) [□]
- Upper-Division credits (at least 42 credits) [□]
- CSU Grade Point Average (at least 2.0) [□]

MATH 117, MATH 118, MATH 124, MATH 125 and MATH 126 can only be counted as unrestricted electives toward any Math degree.

Transfer students must complete a minimum of nine upper-division credits in mathematics at CSU, excluding MATH 340, and mathematics courses ending in -80 to -99.

See the Colorado State University General Catalog for a complete statement of graduation requirements. Visit the Math Department web site for information on updated courses and requirements: [www.math.colostate.edu](http://www.math.colostate.edu)

SP18—revised 5/21/18
# Model of the Teacher Licensure Program

## For the Secondary and K-12 Programs

**School of Education - College of Applied Human Sciences**  
**Colorado State University**  
New Model July 1, 2001; Revised Fall 2005

<table>
<thead>
<tr>
<th>PHASE I</th>
<th>PHASE II</th>
<th>PHASE III</th>
<th>PHASE IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduates must have completed 30 credits of coursework to enroll in Phase I.</td>
<td>EDCC 275 &quot;Schooling in the United States&quot; 3 credits (Course includes 8-10 hours of field experiences in the P-12 school system)</td>
<td>ED 331 &quot;Educational Technology and Assessment&quot; 2 credits</td>
<td>ED 485 A-B, VE 485 &quot;Student Teaching&quot; 11-12 credits (Course entails 15-16 weeks of full-time experience in a cooperating school site)</td>
</tr>
<tr>
<td>ED 340 &quot;Literacy and the Learner&quot; 3 credits (Course includes field experiences in the school system.)</td>
<td>ED 350 &quot;Instruction I: Individualization, Management&quot; 3 credits (Course is a Professional Development School (PDS) at the public junior high schools)</td>
<td>ED 450 &quot;Instruction II: Standards, Assessment&quot; 4 credits (Course is a Professional Development School (PDS) at the public high schools)</td>
<td>ED 493A/VE 492 Seminar: Professional Relations 1 credit (Course includes career counseling, licensing information, and reflecting upon student teaching experiences)</td>
</tr>
<tr>
<td>ED 386 &quot;Practicum: Instruction I&quot; 1 credit (Includes field experiences aligned with ED 350)</td>
<td></td>
<td>ED 486 J &quot;Practicum: Instruction II&quot; 1 credit (Includes field experiences aligned with ED 450)</td>
<td><strong>Successful Completion of Phase IV and all other Licensure Program requirements leads to...</strong></td>
</tr>
<tr>
<td><strong>Formal Admission Required of all Candidates to Enroll in Phase II Course</strong></td>
<td></td>
<td></td>
<td>Institutional Recommendation for a Colorado Provisional Teaching License</td>
</tr>
</tbody>
</table>

**Note:**  
Project Promise, TEAM, and ECE students' core education courses and admission requirements will vary from this listing.