COLORADO STATE UNIVERSITY  
MATHEMATICS MAJOR  
CONCENTRATION IN APPLIED MATHEMATICS 

NAME: ______________________________ CSUID:                                                ADVISER: ________________ TERM OF GRAD: _______  
LOCAL ADDRESS: _________________________________ ZIP: __________ PH: ______________ E-Mail: ___________________________  

<table>
<thead>
<tr>
<th>CORE COURSES</th>
<th>(36 credits)</th>
<th>MATHEMATICAL SCIENCES</th>
<th>(57 credits)</th>
<th>ADDITIONAL COURSES</th>
<th>(27 credits)</th>
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<tbody>
<tr>
<td>FRESHMAN SEMINAR</td>
<td>___________</td>
<td>MATH 160 Calc for Physical Scientists I [4]</td>
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<tr>
<td>COMMUNICATION</td>
<td>___________</td>
<td>MATH 161 Calc for Physical Scientists II [4]</td>
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<tr>
<td>ARTS/HUMANITIES</td>
<td>___________</td>
<td>MATH 369 Linear Algebra [3]</td>
<td></td>
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<tr>
<td>SOCIAL/BEHAVIORAL SCIENCES</td>
<td>___________</td>
<td>MATH 301 Intro to Combinatorial Theory [3]</td>
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<tr>
<td>HISTORICAL PERSPECTIVES</td>
<td>___________</td>
<td>MATH 317 Advanced Calc of One Variable [4]</td>
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<tr>
<td>GLOBAL/CULTURAL AWARENESS</td>
<td>___________</td>
<td>MATH 345 Differential Equations [4]</td>
<td></td>
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<td>MATH 450 Intro to Numerical Analysis I [3]</td>
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<td>MATH 451 Intro to Numerical Analysis II [3]</td>
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<td>___________</td>
<td>MATH 435 Projects in Applied Math (Capstone) [3]</td>
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Select either:  

- MATH 332 Intro to Partial Differential Equations [3]  
- MATH 417 Advanced Analysis [3]  
- MATH 360 Mathematics of Information Security [3]  
- MATH 460 Information and Coding Theory [3]  

COMPUTER SCIENCE                      | ___________  | STAT 315 Statistics for Engr & Sci [3] |  |                   |              |

One of STAT 341, STAT 400, or STAT 420 [3]  

MATH SCIENCE ELECTIVE                 | ___________  |                   |  |                   |              |

Select an additional 6 credits from upper-division (300 level or higher) in Computer Science, Statistics, or Math excluding courses ending in -80 to -99.  

UNRESTRICTED ELECTIVES                | ___________  |                   |  |                   |              |

Select additional 15 credits from upper-division (300 level or higher) in Computer Science, Statistics, or Math excluding courses ending in -80 to -99.  

RELATED AREAS                         | ___________  |                   |  |                   |              |

A coherent set of courses outside the Mathematics Department in which mathematics is applied; approved by the Associate Chair (see next page for more information).  

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 9 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  

FALL 2016—Rvsd 6/02/16