## B.S. in Mathematical and Scientific Computation (Math Emphasis)

### Lower Division Classes (36-42 units): For instructions, see reverse.

<table>
<thead>
<tr>
<th>Class (circle one)</th>
<th>17A or 21A</th>
<th>17B or 21B</th>
<th>17C or 21C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Class</th>
<th>21D</th>
<th>22B</th>
<th>25</th>
<th>[22A and 108] or [67]</th>
<th>ESC 30</th>
<th>ECS 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### MATLAB Requirement: For instructions, see reverse.

Circle completed requirement | MAT 22AL | ENG 6 | Other MATLAB experience |
-------------------------------|----------|-------|-------------------------|

### Upper Division Classes (48-52 units): For instructions, see reverse.

<table>
<thead>
<tr>
<th>Category</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer*</th>
<th>Adviser Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core</td>
<td>125A</td>
<td>125A</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>125B</td>
<td>/</td>
<td>125B</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>128A</td>
<td>/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>128B</td>
<td>/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>135A</td>
<td>/</td>
<td>135A</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Core</td>
<td>150A</td>
<td>/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Enrichment A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enrichment A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enrichment B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emphasis</td>
<td>168</td>
<td>/</td>
<td>/</td>
<td>/</td>
<td></td>
</tr>
<tr>
<td>Computation/ Theory Class**</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Enrichment A/B:

<table>
<thead>
<tr>
<th>Requirement /Quarter</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrichment A</td>
<td>118A, 167</td>
<td>118B, 119A, 167, 185A</td>
<td>(118C), 119B, 129, (133), 167</td>
<td></td>
</tr>
<tr>
<td>Enrichment B</td>
<td>115A, 165</td>
<td>111, 114, 145, 148, 150B</td>
<td>(116), 135B, 141, 146, 147</td>
<td></td>
</tr>
<tr>
<td>Comp/Theory</td>
<td>One class from the list of approved Upper Division Computation/Theory classes**</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* - Upper division classes are not offered every summer. Check Mathematics department website for planning.
( ) - These classes are offered in alternate years. Check catalog before planning.
B.S. in Mathematical and Scientific Computation (Math Emphasis)

Student Name:______________________________________       Student ID#:_______________________
Campus Email:_____________________________________
Career Goal: _____________________________________________________________________

Lower Division Classes (36-42 units): Complete these by the end of sophomore year. Circle the class taken; write the grade. Note that all lower division math classes are also offered during summer sessions.

MATLAB Requirement: Basic knowledge of MATLAB is required for both MAT 22A and 67. Students can learn it on their own, enroll in ENG 6, or in the one-unit course MAT 22AL.

Upper Division Classes (48-52 units): In each box, write the year the class was taken (or planned) / grade (or blank). Example: 125A  2013 / A+. Each row corresponds to one required class. For Enrichment A/B: select 2 classes for Enrichment A, and 1 class for Enrichment B. Emphasis is required, as well as an upper division class in Computation/Theory of Computation from the table below. Minimum upper division cumulative GPA = 2.0.

**Upper Division Computation/Theory of Computation Classes:**

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATM 120; ECS 60, 120, 122A, 122B, 129, 175; STA 141</td>
<td>ECS 60, 120, 122A, 170, 175</td>
<td>ECS 60, 120, 122A, 124, 130; NPB 163/198</td>
<td></td>
</tr>
</tbody>
</table>

Totals units for major ........................................................................................................ ......................84-94

I understand that this completed and signed form represents a binding agreement between me and the Math Department Adviser. Any departure from this program without prior consent of the Adviser or the appropriate departmental committee may jeopardize my graduation schedule. A copy of this plan sheet must be on file in the Student Services Office (1130 MSB) with the Undergraduate Program Coordinator (Letia Graening) at least two quarters before my planned graduation date.

-----------------------------------------------------------------------------------------------
Student's Signature              Date

-----------------------------------------------------------------------------------------------
Faculty Adviser's Signature               Date

-----------------------------------------------------------------------------------------------
Undergraduate Program Coordinator’s Signature               Date