

**B.S. DEGREE****MATHEMATICS**  
**Applied Mathematics Concentration****2009-2011**

4/9/2013

The following plan is just one EXAMPLE of how to schedule classes to graduate in 4 years. Other schedules may be equally valid. Be sure to check prerequisites and the Course Offerings by Quarter List. Work with your advisor to develop a plan that meets your needs. Use your Degree Progress Report (DPR) as a checklist for meeting degree requirements.

	<b>FRESHMAN</b>			<b>SOPHOMORE</b>			<b>JUNIOR</b>			<b>SENIOR</b>		
<b>Quarter</b>	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>	<b>Fall</b>	<b>Winter</b>	<b>Spring</b>
<b>Major</b>	MATH 141 (4)	MATH 142 (4)	MATH 143 (4)	MATH 241 (4)	MATH 206 (4)	MATH 242 (4)	MATH 344 (4)	MATH 481 (4)	MATH 304 (4)	MATH 412 (4)	MATH 413 (4)	Track <sup>5</sup> (4)
				MATH 202 (1)	MATH 248 (4)	MATH 306 (4)		MATH 451 (4)	Track <sup>5</sup> (4)	MATH 459/460 (4)	MATH 461 (2)	MATH 462 (2)
				Adv.App. Elec. <sup>3</sup> (4)			Adv.App. Elec. <sup>3</sup> (4)		Adv.App. Elec. <sup>3</sup> (4)	Track <sup>5</sup> (4)	Track <sup>5</sup> (4)	
		PHYS 141 <sup>2</sup> (4)	PHYS 132/133 <sup>2</sup> (4)		CSC 101/235 <sup>2</sup> (4)	CSC/CPE 102 /236 <sup>2</sup> or MATH 350 (4)	STAT 301/325 <sup>4</sup> (4)					
<b>GE and Electives</b>	GE <sup>1</sup> A1/A2 (4)	GE <sup>1</sup> A1/A2 (4)	GE <sup>1</sup> A3 (4)	GE <sup>1</sup> (4)	GE <sup>1</sup> (4)	GE <sup>1</sup> (4)	GE <sup>1</sup> (4)	GE <sup>1</sup> (4)	GE <sup>1</sup> (4)		GE <sup>1</sup> (4)	GE <sup>1</sup> (8)
	GE <sup>1</sup> (8)	Elective <sup>6</sup> (2)	GE <sup>1</sup> (4)	Elective <sup>6</sup> (3)				Elective <sup>6</sup> (2)				
<b>Units</b>	<b>16</b>	<b>14</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>14</b>	<b>16</b>	<b>12</b>	<b>14</b>	<b>14</b>

<sup>1</sup> Specific General Education (GE) courses are required for graduation. You must take one course from each of the following areas: GE A1, A2, A3; B2; C1, C2, C3, C4, C1-4 elective; D1, D2, D3, D4, D5; F. Check PASS or the Cal Poly Catalog for specific prerequisite requirements.

<sup>2</sup> The PHYS/CSC course sequences may be taken in either order depending on your interests.

<sup>3</sup> Advisor approved electives must total 12 units, and consist of courses taken outside of the Mathematics Department with significant applications of mathematics, with at least one course at 300 level or above. Consult with your advisor.

<sup>4</sup> Take in the second year if a STAT minor is desired.

<sup>5</sup> Two tracks are required, each track consisting of two paired courses, chosen from MATH 408 and 409, or 416 and 418, or 452 and 453.

<sup>6</sup> Electives – 7 units required. Advanced Placement elective credit (not being used toward course credit) may be applied to this category.