

# Four Year Roadmap

- For students ready to enter MATH 30 in their first year at SJSU, this roadmap is a path to graduation in four years, assuming classes are taken **exactly** in the order and semester shown. Other students may need to take pre-calculus math, and/or summer school, and/or extra semesters to graduate.

- Please note that ALL METR classes (except METR 10) are given **ONLY** in the semester indicated below (e.g., METR 60 is given only in FALL).

## Suggested Course Schedule for Students entering Fall 2011

### Freshman

Fall	Units	Spring	Units	
<b>Metr 10 (Weather &amp; Climate)</b>	3	<b>Metr 40 (Weather Seminar)</b>	1	
Math 19 (Pre-Calculus) <sup>1</sup>	5	Math 30 (Calculus I)	3	
Sci 2 (Success in Science, GE #1)	3	Chem 1A (General Chemistry) <sup>2,3</sup>	5	
GE #2 and #3	6	GE #4 and #5	6	
		Kinesiology (Phys Ed)	1	
<b>TOTAL UNITS</b>	<b>12</b>		<b>16</b>	<b>28</b>

### Sophomore

Fall	Units	Spring	Units	
<b>Metr 50 (Computing - Fortran) <sup>3</sup></b>	2	<b>Metr 51 (Computing - C++/Matlab) <sup>3</sup></b>	2	
<b>Metr 60 (Intro to Meteorology) <sup>3</sup></b>	3	<b>Metr 61 (Intro to Meteorology)</b>	2	
Math 31 (Calculus II)	4	<b>Metr 163 (Instruments) <sup>3</sup></b>	3	
Phys 50 (Mechanics) <sup>3,4</sup>	4	Math 32 (Calculus III)	3	
GE #6	3	Phys 52 (Heat & Light) <sup>3,5</sup>	4	
		GE #7	3	
<b>TOTAL UNITS</b>	<b>16</b>		<b>17</b>	<b>33</b>

### Junior

Fall	Units	Spring	Units	
<b>Metr 121A (Dynamics I)</b>	4	<b>Metr 121B (Dynamics II)</b>	3	
<b>Metr 136 (Statistical Climatology) <sup>2</sup></b>	3	<b>Metr 125 (Physical Meteorology)</b>	3	
<b>Metr 170A (Weather Briefing)</b>	1	<b>Metr 170B (Weather Briefing)</b>	1	
<b>Metr 100W (Writing Workshop) <sup>6</sup></b>	3	GE #8, #9, and #10	9	
Phys 51 (Electricity & Magnetism) <sup>3</sup>	4			
<b>TOTAL UNITS</b>	<b>15</b>		<b>16</b>	<b>31</b>

### Summer field trip course - Metr 166 (MANDATORY) - 3 Units

### Senior

Fall	Units	Spring	Units	
<b>Metr 155 (Satellite Meteorology)</b>	3	<b>Metr 171B (Synoptic Analysis) <sup>3</sup></b>	3	
<b>Metr 171A (Synoptic Analysis) <sup>3</sup></b>	3	<b>Metr 172 (Mesoscale Meteorology)</b>	3	
<b>Metr 179 (Senior Thesis)</b>	1	<b>Metr 179 (Senior Thesis)</b>	1	
<b>Meteorology Elective</b>	3	<b>Meteorology Elective</b>	3	
ADV GE #1 and #2 <sup>7</sup>	6	ADV GE #3 <sup>7</sup>	3	
		Kinesiology (Phys Ed)	1	
<b>TOTAL UNITS</b>	<b>16</b>		<b>14</b>	<b>30</b>
		<b>Total Units for Major</b>		<b>125</b>

<sup>1</sup> If required, does not count towards the 125 units in the major

<sup>2</sup> Student must be enrolled in or have passed MATH 30 to take CHEM 1A; includes lab

<sup>3</sup> Includes lab

<sup>4</sup> PHYS 50 has MATH 30 as a pre-requisite

<sup>5</sup> Students should take PHYS 50, 52, 51 in that order

<sup>6</sup> Enrollment in 100W requires passage of Writing Skills Test

<sup>7</sup> SJSU Studies (Advanced GE) courses require passage of 100W