

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 2014

Freshman				
Fall	<u>Units</u>	Spring	<u>Units</u>	
Metr 10 (Weather & Climate)	3	Metr 40 (Weather Seminar)	1	
Math 19 (Pre-Calculus) ¹	5	Math 30 (Calculus I)	3	
Sci 2 (Success in Science, GE #1)	3	Chem 1A (General Chemistry) ²	5	
GE #2 and #3	6	GE #4 and #5	6	
		Kinesiology (Phys Ed)	1	
TOTAL UNITS	12		16	28
Sophomore				
Fall	<u>Units</u>	Spring	<u>Units</u>	
Metr 50 (Computing - Fortran)²	2	Metr 51 (Computing - C++/Matlab)²	2	
Metr 60 (Intro to Meteorology)²	3	Metr 61 (Intro to Meteorology)	2	
Math 31 (Calculus II)	4	Metr 163 (Instruments) or 136 (Stat Clim)^{2,**}	3	
Phys 50 (Mechanics) ^{2,3}	4	Math 32 (Calculus III)	3	
GE #6	3	Phys 52 (Heat & Light) ^{2,4}	4	
		GE #7	3	
TOTAL UNITS	16		17	33
Junior				
Fall	<u>Units</u>	Spring	<u>Units</u>	
Metr 121A (Dynamics I)	4	Metr 121B (Dynamics II)	3	
Metr 123 (Adv Clim) or 135 (Carbon Cycle)^{**}	3	Metr 125 (Physical Meteorology)	3	
Metr 170A (Weather Briefing)	1	Metr 170B (Weather Briefing)	1	
Metr 100W (Writing Workshop)⁵	4	Metr 136 (Stat Clim) or 163 (Instruments)^{2,**}	3	
Phys 51 (Electricity & Magnetism) ²	4	GE #8 and #9 ⁷	6	
TOTAL UNITS	16		16	32
Senior				
Fall	<u>Units</u>	Spring	<u>Units</u>	
Metr 155 (Satellite Meteorology)	3	Metr 171B (Synoptic Analysis)²	3	
Metr 171A (Synoptic Analysis)²	3	Metr 172 (Mesoscale Meteorology)	3	
Metr 179 (Senior Thesis)	1	Metr 179 (Senior Thesis)	1	
Metr 135 (Carbon Cycle) or 123 (Adv Clim)^{**}	3	Meteorology Elective	3	
ADV GE #1 ⁶	3	ADV GE #2 ⁶	3	
		Kinesiology (Phys Ed)	1	
TOTAL UNITS	13		14	27
		Total Units for Major		120

¹ If required, does not count.

^{**} Offered every other year.

² Includes lab.

³ PHYS 50 has MATH 30 as a pre-requisite.

⁴ Students should take PHYS 50, 52, 51 in that order.

⁵ 100W requires passage of Writing Skills Test. The revised 4-unit METR 100W will cover GE areas Z and R.

⁶ SJSU Studies (Advanced GE) courses require passage of 100W.

⁷ Area B GE classes are waived for Meteorology students. We expect to be granted a waiver of the area A3 class, leaving a requirement of 9 core GE classes.