

# California State University San Marcos

## Major: Mathematics BS Upper Division 60 Units for ADT Students Palomar

Catalog Year(s): Spring 2017 to Present

Degree Units: 60

Semester 5	
MATH 350	3
MATH 374	3
MATH 330, 362, or 410-495 [*MSSP]	3
UDGE: BB, CC, DD [*MUDGE]	3
General Elective [*MELECT] or CS 111 <sup>2</sup>	4
<b>Total Units</b>	<b>16</b>

Semester 6	
MATH 378	3
MATH 441	3
MATH 330, 362, or 410-495 [*MSSP]	3
UDGE: BB, CC, DD [*MUDGE]	3
General Elective [*MELECT] or PHYS 201 <sup>2</sup>	4
<b>Total Units</b>	<b>16</b>

Semester 7	
MATH 430	3
MATH 470	3
MATH 330, 362, or 410-599 (except 510) [*MSSP]	3
BIOL 210, CHEM 150, CS 211, or PHYS 202 <sup>1,2</sup>	3-4
<b>Total Units</b>	<b>12-13</b>

Semester 8	
MATH 422, 472, 474, 522, 523, or 540	3
MATH Senior Seminar [*Msenior]	3
MATH 330, 362, or 410-599 (except 510) [*MSSP]	3
UDGE: BB, CC, DD [*MUDGE]	3
BIOL 210, 211 [*BIOL211], CHEM 150 [**MC150], CS 211, or PHYS 202 <sup>1,2</sup>	3-4
<b>Total Units</b>	<b>15-16</b>

Comments
<p>[*MSSP]: MATH 330, 410 and MATH 442 or 242 are required courses for students intending to complete the Single-Subject Preparation Program in Mathematics.</p> <p>[*MUDGE]: Upper-division GE courses must be taken after 60 units have been completed. UUDGE may not double count for both major and GE. UUDGE courses may not be in the same discipline as major. MATH majors may take any upper-division course in BIOL, CHEM, CS or PHYS for the BB requirement (even if the course is not specifically identified as BB) provided that the course is not cross-listed with a MATH course.</p> <p>[*Melect]: General electives can be any upper-division non-remedial course. If taken at a community college, general electives must be CSU transferable. Students intending to complete the Single-Subject Preparation Program in Mathematics must take EDUC 350 (3 units) and MATH 314 (1 unit) either in the same semester, or by taking EDUC 350 first.</p> <p>[*Msenior]: Math 490, Math 491, or any approved graduate course including 505, 520, 521-523, 528, 532, 534, 535-538, 540-542, 544, 550, 552, 555, 561, 563, 564, 570 or 571.</p>

<sup>1</sup> Students with an approved ADT in mathematics can take ECON 201 instead.

<sup>2</sup> Lower division alternative must be taken if not taken at Community College

Prerequisites for CORE Courses
<p>MATH 260: MATH 162;            CS111: MATH 125; CS 211: CS 111;            PHYS 201, MATH 350, MATH 374: MATH 160;            PHYS 202: PHYS 201;            CHEM 150: ELM;            BIOL 210: CHEM 150; BIOL 211: BIOL 210;            MATH 378: MATH 350 or 370;            MATH 430: MATH 378;            MATH 441: MATH 162, co-requisite MATH 260;            MATH 470: MATH 378</p>

Faculty Approval
Date: January 31, 2017
Name: Wayne Aitken

Semester of Offerings
<b>Fall Only:</b>
MATH 330, 430, 470, 442*, 464*, 480* (*only offered every other Fall semester)
<b>Spring Only:</b>
MATH 314, 410, 441, 362*, 448* (*only offered every other Spring semester)