MATHEMATICS DEGREE REQUIREMENTS

	 Concentration in Data Science ● 	 Specialization in Applied and
• Core Requirements for		Computational Mathematics •
<u>All Mathematics ●</u>	Core requirements for all Mathematics	Commence Commence Comment Manual Comment
A. Math 2A 2B 2D/H2D	Majors <u>plus</u> :	Core requirements for all Mathematics Majors <u>plus</u> :
3A/H3A 3D 13	Math 2E/H2E	Math 2E/H2E
37 V 1137X3D13	<u>Replace</u> Item C in the Core Requirements with	Watii 2E/ 112E
B. Math 9	the following:	A. <u>All</u> of the following:
	Physics 7C Stats 7 Math 10	Math 105A/LA105B/LB
C. One of the following sequences:		112A112B115121B
• Chem 1ABC; or	<u>A. All</u> of the following: Math 105A/LA 105B/LB	B. <i>Three</i> elective courses from:
• Physics 7C D E; or	120B 121B 130B 147	Math 107/107L110A110B
• Physics 7CStats 7Math 10	110A 110B	112C117118130B130C
Upper-div: Math 120A 121A		134A & 134B140C176
130A 140A 140B	B. <u>Three</u> elective courses from ¹ : Stats 110	<u>Two</u> approved upper-division courses in an
	I&C Sci 105	area of application outside of Mathematics.
 No specialization/concentration 	Math 115 117 118 130C	Approval must be obtained in advance from th
(Pure Mathematics) •	133A & 133B OR 134A &	advisor for this specialization. The student is responsible for satisfying any prerequisites for
	134B	these courses.
Core requirements for all Mathematics	140C162A162B173A	
<i>Majors <u>plus</u>:</i> Math 2E/H2E	173B175176	Elec. #1 Elec. #2
Math 120B 121B 147	CompSci 171172B177 178	• Concentration in Mathematics for
Five additional 4-unit math courses	170175105101111010	Education/Secondary Teaching
(100-189):	Specialization in Mathematical Biology •	Certification•
		Admission requires approval in advance. The
T 177 0 1 1 10 10 10 11	Core requirements for all Mathematics	admission process begins with completing an
For ALL Specializations/Concentrations (EXCEPT CalTeach)	Majors <u>plus</u> :	Intent form at the CalTeach Resource and
An application should be completed at least 3	Math 2E/H2E	Advising Center.
quarters prior to graduation. Admission into a	Replace Item C in the Core Requirements with	Core requirements for all Mathematics
concentration or specialization is not	the following:	Majors <u>plus</u> :
guaranteed. The department may limit the	• Bio Sci 93 94 AND	Math 8
number of students admitted into this	• <u>Two</u> courses selected from:	
concentration during impacted years. http://www.math.uci.edu/undergraduate-	Chem 1A1B	A. <u>All</u> of the following:
studies/concentrations-and-specializations	Bio Sci 97	Math 105A/LA120B
studies/concentrations-and-specianizations	Physics 27C7D	130B150161180A
	A. <u>All</u> of the following:	184184L AND One additional math course numbered 100-
• Concentration in Mathematical Finance •	Math 105A/LA105B/LB	189:
Core requirements for all Mathematics	112A 112B 113A 113B	
Majors plus:	115	B. <u>All</u> of the following: Phy Sci 5 105
, <u>—</u>		· — —
<u>Replace</u> Item C in the Core Requirements with	B. <u>Two</u> elective courses (at least one from Math (100-189). The second may be either	Chem/Physics 193
the following:	upper-division Math or a 4-unit upper-division	Educ 55 109 143AW 143BW
Physics 7C Stats 7 Math 10	Biological Sciences course with advanced	148 AND
	approval from the advisor for this	two quarters of Educ 158
A. <u>All</u> of the following:	specialization.	
Math2E/H2E120B121B	Elec. #1 Elec. #2	This <u>concentration</u> allows students to earn a bachelor's degree and complete the required
130B130C134A134B	Constitution of Made Contral and the contral	coursework and field experience for a
134C147	 Specialization in Math for Education • 	California Preliminary Single Subject Teachin
B. One elective courses from:	Core requirements for all Mathematics	Credential at the same time.
Math 105A/LA105B/LB110A	Majors <u>plus</u> :	
173A176 CompSci 171	Math 8	NOTE: Students may pursue either the
CompSci 171172B177178	Math 105A/LA120B	concentration in Mathematics for
C. <u>Eight</u> required economics courses:	130B150161	Education/Secondary Teaching Certification OR the specialization in Mathematics for
Econ 20A 20B	180A 184 184L AND	Education, but not both.
ECON ZUA ZUB	One additional math course numbered 100-	Education, but not both.

Econ 134A OR 161A

OR 123A

Econ 122A

Econ 132A

<u>189</u>: _

Physical Sciences 5____105_

UCI SCHOOL OF PHYSICAL SCIENCES UNIVERSITY / GENERAL EDUCATION REQUIREMENTS

NAMEST	UDENT ID		
Other Colleges			
UNIVERSITY REQUIREMENTS:			
English (UC ELW) American History Institutions			
RESIDENCY REQUIREMENTS:	TRANSFER STUDENTS:		
36 of the final 45 units must be completed at UCI	Partial IGETC		
UNIT REQUIREMENT: 180 units are required for graduation			
GPA REQUIREMENT AND STANDING:	Full IGETC		
Overall GPA of 2.0 GPA in major at least a 2.0	cert received? yes no		
GPA in upper-division major classes at least a 2.0			

General Education (GE) Requirements		
I. Writing (2 lower-division, 1 upper-division)		
1.		
2.		
3.		
II. Science & Technology (any 3)		
1.		
2.		
3.		
III. Social & Behavioral Sciences (any 3)		
1.		
2.		
3.		
IV. Arts & Humanities (any 3)		
1.		
2.		
V. Quantitative, Symbolic and Computational Reasoning		
v. Quantitative, Symbolic and Computational Reasoning		
Va.		
Vb.		
Va or Vb.		
VI. Language Other than English		
1C or equivalent		
VII. Multicultural Studies (one course)		
VIII. International/Global Issues (one course)		

Fall	Winter	Spring
Fusahasaa		
Freshman	Math 2B	Made on
Math 2A		Math 2D
GEN ED/Elective	Phys 7C, 7LC	Phys 7D, 7LD
GEN ED/Elective	Math 13	GEN ED/Elective
GEN ED/Elective	GEN ED/Elective	GEN ED/Elective
Sophomore		
Math 2E	Math 3A	Math 3D
Phys 7E	Math 9	GEN ED/Elective
GEN ED/Elective	GEN ED/Elective	GEN ED/Elective
GEN ED/Elective	GEN ED/Elective	GEN ED/Elective
<u>Junior</u>		
Math 130A	Math 140A	Math 140B
Math 120A	Math 120B	Math 141
GEN ED/Elective	GEN ED/Elective	GEN ED/Elective
GEN ED/Elective	GEN ED/Elective	GEN ED/Elective
Canian		
<u>Senior</u>		
Math 121A	Math 121B	Math 115
Math 150	Math 147	GEN ED/Elective
Math 112A	Math 180A	GEN ED/Elective
GEN ED/Elective	GEN ED/Elective	GEN ED/Elective

(sample program, your schedule may differ greatly)

Mathematics Department:

http://www.math.uci.edu/

Enrollment questions:

http://www.math.uci.edu/undergraduate

Mathematics tutoring:

http://www.math.uci.edu/undergrad-courses/tutoring-assistance

How to find research:

http://ps.uci.edu/stuaff/content/research

Course offerings:

http://www.math.uci.edu/undergrad-courses/plan-math-course-offerings