MATHEMATICS
MAJOR ADVISEMENT

		AS-T	CSUDH	CSUF	CSULB	CSULA
COURSE	**TITLE**					
MATH G160	Statistics	B	MAT 131 (1.2)			
MATH G180	Calculus 1	X	MAT 191	MATH 150A	MATH 122	MATH 2110
MATH G185	Calculus 2	X	MAT 193	MATH 150B	MATH 123	MATH 2120
MATH G280	Calculus 3	X	MAT 211	MATH 250A	MATH 224	MATH 2130
MATH G285	Lin Algebra/Diff Equation	A		MATH 250B (2.1)		MATH 2150 + 2550
MATH G282	Ordinary Diff Equations			MATH 250B (2.1)		
MATH G230	Discrete Mathematics					
MATH G235	Intro Linear Algebra	A		MATH 250B (2.1)	MATH 247	
PHYS G185	Calc Physics: Mechanics	B	PHY 130 + 132 + 134	PHYS 225 + 225L (2.2)	PHYS 151 (3.2)	PHYS 2100
PHYS G280	Calc Physics: Elect/Mag			PHYS 226 + 226L (2.2)	PHYS 152 (3.2)	
PHYS G285	Calc Physics: Modern			PHYS 227 + 227L (2.2)	PHYS 254 (3.2)	
CS G145	Intro to C Language					
CS G153	Intro to Java		CSC 121		CECS 174 (3.1)	
CS G154	Data Structures with Java		CSC 123 (1.1)			CS 2012 (4.1)
CS G175	C++ Programming	B	CSC 121	CPSC 121	CECS 174 (3.1)	
CS G189	Discrete Structures					CS 2012 (4.1)
CS G262	Discrete Structures		MAT 281			MATH 2450
ACCEPTS AA-T?			Y	Y	Y	Y
OTHER						4.1; 4.2

Associate Degree in Transfer (ADT): AS-T Mathematics. For more information on the ADT, see https://icangotocollege.com/associate-degree-for-transfer or consult with a counselor for more information.

A: List A requirement: Select one course from MATH G285 or MATH G235

B: List B requirement: Select one additional course from MATH G160, PHYS G185, CS G175, or another course from LIST A not already used.

CSU DOMINGUEZ HILLS: BS Degree in Mathematics. Options in general Mathematics and Mathematics Education. Transfer students should complete three semesters of calculus and one additional course prior to transfer.

1.1: CS G175 + G154 Recommended courses for General Mathematics option.

1.2: Required for Math Education option.

CSU FULLERTON: BA Degree in Mathematics. Options in Actuarial Science, Pure Math, Applied Math, Probability and Statistics, and Teaching.

2.1: Complete either MATH G285 or MATH G282 + G235

2.2 Students are required to complete a cognate: Chemistry, Civil Engineering, Computer Science, Economics, Finance, Information Systems and Decision Sciences, Mathematics, Physics, or Research.

For Chemistry: Complete CHEM G180 + G185

For Physics: Complete PHYS G185 + G280 + G285

All other Cognates: Complete coursework after transfer.

CSU LONG BEACH: BS Degree in Mathematics. Options available in General Mathematics, Applied Mathematics (with an additional sub-option Economics & Management), Statistics, and Mathematics Education. All majors at this campus are impacted. Please see counselor for admission and selection criteria for this major. Local Admission: Minimum 2.5 GPA required and completion of major preparation coursework above for admission.

3.1: Complete either CS G153 or CS G175

3.2: Additional courses required for Option in Applied Mathematics: PHYS G280 and PHYS G285. For Sub-option in Economics and Finance, complete ECON G170 + G175.

CSU LOS ANGELES: BS Degree in Mathematics. Options available in Applied Mathematics, General Mathematics, Integrated Teaching, and Traditional Teaching. Please see counselor for admission and selection criteria for this major. https://www.calstatela.edu/admissions/major-specific-criteria

4.1: Applied or General Mathematics: CHEM G180, CS G189 or 154, PHYS G280.

4.2: Traditional Teaching: CS G189 or CS G154.

MATHEMATICS
MAJOR ADVISEMENT

COURSE	TITLE	UCB	UCI	UCLA	UCR	UCSD
MATH G160	Statistics					
MATH G180	Calculus 1	MATH 1A	MATH 2A	MATH 31A	MATH 9A +9B + 9C	MATH 20A
MATH G185	Calculus 2	MATH 1B	MATH 2B	MATH 31B		MATH 20B
MATH G280	Calculus 3	MATH 53	MATH 2D/2E	MATH 32A + 32B	MATH 10A / 10B	MATH 20C
MATH G285	Lin Algebra/Diff Equation	MATH 54	MATH 3A (6.1) MATH 3D (6.2)	MATH 33A or 33B	MATH 46 (8.1)	MATH 20D (9.1)
MATH G282	Ordinary Diff Equations		MATH 3D (6.2)		MATH 46 (8.1)	
MATH G230	Discrete Mathematics					
MATH G235	Intro Linear Algebra		MATH 3A (6.1)	MATH 33A		MATH 20F
PHYS G185	Calc Physics: Mechanics		6.3	PHYSICS 1A	PHYS 40A + 40B + 40C	
PHYS G280	Calc Physics: Elect/Mag		6.3	7.1, 7.2, 7.3, 7.4		
PHYS G285	Calc Physics: Modern		6.3	7.1		
CS G145	Intro to C Language					
CS G153	Intro to Java					CSE 11
CS G175	C++ Programming			COMPTNG 10A		
CS G189	Data Structures with C++			COMPTNG 10B (7.5)		CSE 8B
CS 262	Discrete Structures			MATH 61 (7.3; 7.5)		
OTHER		5.1		7.1 - 7.7	8.2	9.2, 9.3

UC BERKELEY: BA Degree Mathematics / Applied Mathematics.5.1: Students must complete IGETC or one L&S requirement in Reading, Quantitative Reasoning or Foreign Language

UC IRVINE: BS Degree. Specializations in Applied and Computational Mathematics, Mathematical Biology, or Mathematics in Education. Concentrations in Mathematical Finance and Mathematics for Educational with Secondary Teaching Certification are also offered. Preference will be given to junior level applicants with the highest grades overall and who have completed one year of approved calculus. Minimum 3.0 GPA required for consideration. Additional coursework in multivariable calculus, linear algebra, and differential equations is strongly recommended.

6.1 : Complete either MATH G235 or G285 for MATH 3A credit.

6.2 : Complete either MATH G282 or MATH G285 for MATH 3D credit.6.3: Students are required to complete one additional sequence from CHEM G180 + G185, OR PHYS G185 + G280, OR PHYS G185 + PHYS G285, OR PHYS G280 + PHYS G285, OR PHYS G185 + MATH G160 or PSYC G140

UCLA: BS Degree. Degrees available in Mathematics, Applied Mathematics, Mathematics for Teaching, Mathematics of Computation, Mathematics/Applied Science, Mathematics Economics, Mathematics/Atmospheric and Oceanic Sciences. Students must complete at least four semesters of math through multivariable and linear algebra or differential equations prior to transfer.

7.1: Mathematics: Complete two additional sciences from: CHEM G180 + G185; PHYS G280 + G285

7.2: Applied Mathematics: Complete one additional course from: CHEM G180, G185, PHYS G285

7.3: Mathematics for Teaching Degree. Complete two coursesfrom: PHYS G280, PHYS G285, CHEM G180 + G185, CS G189

7.4: Mathematics for Computation: CS 262 required for this major. Complete PHYS G185, G280, CS G175, CS G189 and one course from PHYS G285, or CHEM G180 or CHEM G185

7.5: Mathematics/Applied Science, Select 2 additional courses from: CHEM G180 + G185; CHEM G220, BIOL G180 +G186, BIOL G180 + G182, BIOL G180 + G225; or PHYS G185 + G280,

7.6: Mathematics / Economics: Complete ENGL G110, CS G175, CS G262 ECON G170, and ECON G175.

7.7: Requirements for Financial Actuarial Mathematics: Complete CS G175, ECON G170, ECON G175, ACCT G101, and ACCT G102.

UC RIVERSIDE: BA or BS Degree. Additional program available in Mathematics for Secondary School Teaching. Minimum 2.70 GPA required for admission consideration. Applicants must have at least one year of calculus, and one year of either chemistry, biology, physics, or Calculus 3 + Ordinary Differential Equations for entry. IGETC not accepted in this major.

8.1: Complete either MATH G282 or G285

8.2: One year science sequence can be met with CHEM G180 + G185 or BIOL G180 + G182 + G183 or PHYS G185 + G280 + G285 or MATH G280 + G285.

UC SAN DIEGO: BS Degree. Degrees available in Mathematics, Mathematics, Applied Mathematics, Mathematics / Applied Science, Mathematics/Computer Science, Mathematics: Probability and Statistics, Mathematics/Secondary Education, Joint major in Mathematics and Economics.

9.1: MATH G185 + G285 or G282 is credited for MATH 20D at UCSD

9.2: For Mathematics/Computer Science, and Mathematics: Scientific Computation: Add G154, CS G189 and CS G242

9.3: For Math and Economics: complete ECON G170 + G175.