



COLLEGE OF MARIN

MATHEMATICS

Mathematics is one of the oldest and most fundamental sciences. Mathematicians use mathematical theory, computational techniques, algorithms, and the latest computer technology to solve economic, scientific, engineering, physics, and business problems.

C.O.M.

Suggested Transfer Preparation

MATH 123, 124, 223

MATH 116 & 224

MATH 117 OR COMP 117

COMP 130 OR 140 OR 230 OR 232 OR 235

PHYS 207A, 108A

Transfer students are strongly advised to meet with a Counselor and complete as many preparatory courses as possible before transferring. Please refer to the following links for articulation agreement updates, revisions and additional information:

www.assist.org

UCTransfer.org

COLLEGE OF MARIN

Transfer & Career Center
835 College Avenue
Kentfield, CA 94904
(415) 485-9671

Transfer/Counseling Advisory Committee:

Theodora Fung, Bruce Furuya, Letta Hlavachek, Bessie Ng-Jung
Alexandra Magallanes Rivera, Jim Sweeney, Karen Robinson,
Emy Bagtas

CAREER OPPORTUNITIES

Actuaries	Scientific Programmer
Appraisers	Secondary School Teacher
Auditors	Seismologist
Bilingual School Teachers	Software Engineer
Business Programmers	Statistician
Certified Public Accountants	Systems Analyst
Chemical Processing Workers	Systems Programmer
Computer Programmers	University & College Teacher
Corporate Accountants	Webmaster
Elementary School Teachers	
Estimators	
Financial Analysts	
Financial Planners	
Games Programmers	
Loan Officers	
Market Researchers	
Mathematicians	
Mathematics and Science Teachers	
Numerical Control Tool Programmers	
Operations Research Analysts	

For more extensive information on career opportunities, go the Transfer & Career Center and create your EUREKA account

EXAMPLES OF EMPLOYERS

Government	Manufacturing Firms
Schools/Universities	Utilities
Banks	Computer Software Developer
Brokerage Firms	Market Research Firm
Research Firms	Engineering Firms
Aerospace Companies	
Insurance Companies	

Typical Coursework associated with the study of Mathematics

Mathematics is the basic language of physical science and engineering. It also has important applications in the social and natural sciences, and in business administration. Programs in Mathematics intend to provide a wide range of mathematical skills, such as applying definitions and hypotheses to specific problems, and following them to their logical conclusions. Logic, the manipulation of symbols, and the ability to define problems are some examples of the types of skills math majors possess. Typical coursework includes classes in algebra, computer programming, analysis, calculus, differential equations, probability and statistics..

California Universities offering Mathematics Degree

California State University:

Refer to the following link for locations, web addresses and general information: www.csumentor.edu

CPSU - San Luis Obispo	Mathematics BS/Minor, Mathematics MS, Statistics BS/ Minor
CSPU - Pomona	Mathematics BS/Minor/MS, Statistics and Mathematics Minor
CSU - Bakersfield	Mathematics BS/MA/Minor
CSU - Channel Islands	Mathematics BS/Minor/MS
CSU - Chico	Mathematics BS/Minor, Statistics Minor
CSU - Dominguez Hills	Mathematics BS, Mathematics Minor
CSU - East Bay	Applied Statistics Certificate, Biostatistics (Professional Science Master's) MS, Mathematical Statistics Certificate (Graduate), Mathematical Statistics Certificate (Graduate), Mathematics BS/Minor/MS, Statistics BS/Minor/MS
CSU - Fresno	Mathematics BA/Minor, Mathematics MA (Option: Teaching)
CSU - Fullerton	Mathematics BA/Minor/MA
CSU - Humboldt	Biometrics (Mathematics) Minor, Mathematics BA/Minor, Mathematics Education BA, Mathematics Modeling MS
CSU - Long Beach	Mathematics BS/Minor, Mathematics MS, Mathematics: Mathematics Education BS
CSU - Los Angeles	Mathematics BA/Minor/MS, Mathematics BS
CSU - Monterey Bay	Mathematics BS/ Minor
CSU - Northridge	Mathematics BA, Mathematics BS, Mathematics MS
CSU - Sacramento	Mathematics BA/Minor, Statistics Minor
CSU - San Bernardino	Mathematics BA/BS/Minor/MA/MAT
CSU - San Diego	Applied Mathematics MS, Computational Science MS/Ph.D., Mathematics and Science Education Ph.D., Mathematics BA/Minor/MA, Mathematics BS, Statistics BS/Minor, Statistics MS
CSU - San Francisco	Applied Mathematics BS, Mathematics BA/Minor/MA, Statistics BS
CSU - San Jose	Applied and Computational Mathematics BS, Mathematics BA/Minor/MS, Mathematics, Preparation for Teaching BA, Mathematics-Teaching for K-8 Minor
CSU - San Marcos	Mathematics BS/Minor/MS
CSU - Sonoma	Applied Statistics Minor, Mathematics BA/ BS/Minor
CSU - Stanislaus	Mathematics BA/BS/Minor

University of California:

Refer to the following link for locations, web addresses and general information: UCTransfer.org

UC - Berkeley	Applied Mathematics BA/ Ph.D., Applied Science and Technology MS/Ph.D. (Interdisciplinary), Biostatistics MA/Ph.D. (Interdepartmental), Engineering Mathematics and Statistics (Engineering) BS, Logic and Methodology of Science Ph.D. (Interdisciplinary), Mathematics BA/Minor, Mathematics MA/Ph.D., Science and Mathematics Education Ph.D. (Interdisciplinary), Statistics BA/Minor, Statistics MA/Ph.D.
UC - Davis	Applied Mathematics BS/MS/Ph.D., Biostatistics MS/Ph.D., Mathematical and Scientific Computation BS, Mathematics AB/BS/Minor, Statistics AB/Minor/MS/Ph.D.
UC - Irvine	Mathematics BS/Minor/MS/Ph.D., Mathematics with Teacher Credential MS, Statistics MS/Ph.D.
UC - Los Angeles	Biomathematics (Medicine) MS/Ph.D., Mathematics BS/Minor, Mathematics for Teaching BS, Mathematics MAT/MA/C.Phil/Ph.D., Mathematics of Computation BS, Mathematics, Applied BS, Mathematics/Applied Science BS, Mathematics/Atmospheric and Oceanic Studies BS, Mathematics/Economics BS (Interdepartmental), Statistics BS/Minor/ MS/C.Phil/Ph.D.
UC - Merced	Applied Mathematical Sciences BS/Minor, Applied Mathematics MS/Ph.D. (Multidisciplinary)
UC - Riverside	Applied Mathematics BA/BS (Biology, Chemistry, Economics, Physics, or Statistics), Mathematics (Computational Mathematics) BA/BS, Mathematics (Pure Mathematics) BA/BS, Mathematics MA/MS/Ph.D., Mathematics Minor, Mathematics, Applied MS, Mathematics, Blended Program for Secondary Education BA, Statistics (Applied) Minor, Statistics BA/BS (Options: Quantitative Management; Statistical Computing), Statistics MS, Statistics, Applied Ph.D.
UC - San Diego	Economics and Mathematics BA (Joint major), Mathematics (Bioinformatics) Ph.D., Mathematics BA/Minor/MA/Ph.D., Mathematics Education and Science Education Ph.D. (Joint with SDSU), Mathematics, Applied BA/MA, Mathematics, Applied Science BA, Mathematics, Probability and Statistics BS (New major), Mathematics, Scientific Computation BS, Mathematics, Statistics MS, Mathematics/Secondary Education BA, Mathematics-Computer Science BA
UC - Santa Barbara	Applied Mathematics (Letters and Science) MA, Economics/Mathematics (Letter and Science) BA, Financial Mathematics and Statistics (Letters and Science) BS, Mathematical Sciences (Letters and Science) BA/BS/Minor, Mathematics (Creative Studies) BA/BS/Minor, Mathematics for High School Teaching (Letters and Sciences) Minor, Mathematics with Optional Emphasis in Computational Science and Engineering MA/Ph.D., Statistical Science BA/Minor, Statistical Science BS, Statistics and Applied Probability Ph.D.
UC - Santa Cruz	Mathematics BA/Minor, Mathematics MA/Ph.D., Statistics and Stochastic Modeling MS/Ph.D., Statistics Minor (Interdisciplinary, through the Department of Applied Mathematics and Statistics)

Private Universities

Refer to the following link for Independent Colleges and Universities: AICCU.edu

Dominican university	Fresno Pacific	Mills College	Pacific Union College	Pepperdine University
Santa Clara University	St. Mary's College	Stanford University	University of the Pacific	University of Redlands
University of San Diego	University of Southern Cal.	University of San Francisco	University of Santa Clara	Westmont College