



A Course of Study for

MATHEMATICS - Transfer

Mathematicians use symbolic languages to set up and analyze relationships among quantities and qualities of things, events, and places. Pure mathematicians develop the theories to further the science of mathematics. Possible careers include actuary, computer engineer, cryptographer, satellite communications expert, robotics programmer, statistician and teacher.

This major may also lead to many other careers. For additional possibilities, visit the Career Services Center on campus to utilize computerized career information systems and other valuable career resources.

TRANSFER

Students planning to transfer to a four-year college should complete the lower-division major requirements and the general education pattern for the appropriate transfer institution. Santa Monica College has articulation agreements for this major with the following UC, CSU, and private institutions. Exact major requirements for these and other UC and CSU campuses can be found online at www.assist.org. Articulation agreements with private institutions can be found online at www.smc.edu/articulation.

UNIVERSITY OF CALIFORNIA, BERKELEY

Complete as many lower-division major requirements as possible before transfer. In general, applicants are selected primarily based upon strength of academic preparation and grade point average.

B.A. MATHEMATICS/APPLIED MATHEMATICS: MATH 7, 8, 10, 11; MATH 13 **and** 15

Transfer requirements must be completed by the end of the spring term that immediately precedes the student's first fall term at Berkeley.

UNIVERSITY OF CALIFORNIA, DAVIS

A.B. MATHEMATICS: CS 50; MATH 2 (*or high school equivalent*); MATH 7, 8, 11, 13, 15

B.S. MATHEMATICS: MATH 2 (*or high school equivalent*); MATH 7, 8, 11, 13, 15

PLAN 1: (PREP FOR GRAD STUDY): add CS 50; PHYSICS 21

PLAN 2: (MATH FOR SECONDARY TEACHING): CS 50; PHYSICS 6 **and** 7 **or** 8 **and** 9 **or** 21 **or** MATH 52

PLAN 3: (GENERAL MATH): CS 50; PHYSICS 6 **and** 7 **or** 8 **and** 9 **or** 21 **or** MATH 52

Other majors offered: A.B. Statistics, B.S. Statistics (*General option*), B.S. Statistics (*Computer Science*)

UNIVERSITY OF CALIFORNIA, IRVINE

B.S. MATHEMATICS: CHEMISTRY 11 **and** 12 **or** PHYSICS 21 **and** either 22 **or** 23*; CS 13, **or** 36 **or** 50 **or** 52 **or** (55 **and** 56); MATH 7, 8, 11, 13, 15

*Articulation pending

UNIVERSITY OF CALIFORNIA, LOS ANGELES

B.S. MATHEMATICS: MATH 7, 8, 11, 13, 15; PHYSICS 21; *select two additional courses from the following:* CHEMISTRY 11, 12; PHILOSOPHY 9; PHYSICS 22, 23; (BIOLOGY 21 **or** 23)

Other majors offered: Mathematics of Computation, Mathematics/Economics, Mathematics/Applied Science

Please see www.assist.org for details on transfer requirements.

UNIVERSITY OF CALIFORNIA, SAN DIEGO

B.A. MATHEMATICS: MATH 7, 8, 11, 13, 15

Other majors offered: B.A. Applied Mathematics/B.S. Scientific Computation, B.A. Mathematics/Applied Science or B.A., Mathematics/Secondary Education, B.A. Mathematics, B.A. Mathematics/Computer Science

Please see www.assist.org for details on transfer requirements.

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

B.A. MATHEMATICS: MATH 7, 8, 10, 11, 13 **and** 15; PHYSICS 21 **or** 6 **or** 8

B.S. MATHEMATICS/B.S. MATHEMATICAL SCIENCES: add MATH 11

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

B.A. MATHEMATICS: MATH 7 **and** 8, 13, 15, 52

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

B.A./B.S. MATHEMATICS: CS 50 **or** 52; MATH 7, 8, 11, 13; PHILOSOPHY 9; PHYSICS (21 **and** 22) **or** (8 **and** 9)

Santa Monica College has articulation agreements for this major (see www.smc.edu/articulation for exact major requirements) with the following private and out-of-state institutions:

LOYOLA MARYMOUNT UNIVERSITY

B.S. MATHEMATICS: MATH 7, 8, 11, 13, 15; *select two courses from the following:* CS 20B, 55; PHYSICS 21, 22

General education requirements for the University of California, California State University and other local universities are listed on separate sheets available in the Transfer/Counseling Center, as well as online (go to www.smc.edu/articulation).

SUBJECT TO CHANGE WITHOUT NOTICE.

*www.assist.org

*Please access the above web-site for the most current articulation information.