

## Riverside City College

# Mathematics

**Associate Degree for Transfer (ADT)**

The Associate in Science Degree in Mathematics for Transfer is designed to prepare the student for transfer to institutions of higher education and specifically intended to satisfy the lower division requirements for the Baccalaureate Degree in Mathematics at a California State University (but does not guarantee acceptance to a particular campus or major). It will also provide the student with a sufficient academic basis from which to pursue a career in mathematics, statistics, actuarial science, and education. Completion of the Associate in Science Degree in Mathematics for Transfer (ADT) will prepare you to meet minimum lower division admission requirements (60 transferable units) for transfer to a California State University (CSU) or University of California (UC). Some UC schools may require additional coursework, please meet with a counselor for further assistance. The Mathematics program map below includes all of your major coursework and recommended general education courses by term that is needed to fulfill your degree and transfer requirements at a CSU.

**Mathematics - ADT (CSU/UC)**

0-15 units		Units
Term 1	English 1A/1AH (General Education: CSU Area A2 or IGETC Area 1A)	4
	Math 36	4
	Philosophy 32 (General Education: CSU Area A3) or <b>English 1B for UC transfer</b>	3
	Guidance 47 (General Education: CSU Area E or UC Elective)	3
	<b>Interession (Winter or Summer term)</b>	<b>Units</b>
Math 10 (General Education: CSU Area B4 or IGETC Area 2)	4	

16-30 units		Units
Term 2	Math 1A	4
	Biology 8 (General Education: CSU Area B2/B3 or IGETC Area 5B)	3
	Computer Science 5	4
	Art 6/6H, Music 19, Dance 6/6H or Theater Arts 3 (GE: CSU Area C1 or IGETC Area 3A)	3
	<b>Interession (Winter or Summer term)</b>	<b>Units</b>
Math 1B	4	

31-45 units		Units
Term 3	Math 1C	4
	Physics 4A (General Education: CSU Area B1 or IGETC 5A)	4
	Communication Studies 1 (General Education: CSU Area A1 or IGETC Area 1C)	3
	History 6/6H or 7/7H (General Education: CSU Area C2/US 1 or IGETC Area 3B)	3
	<b>Interession (Winter or Summer term)</b>	<b>Units</b>
Spanish 1 (General Education: CSU Area C2 or IGETC LOTE requirement)	5	

45-60+ units		Units
Term 4	Math 2 or Math 3	4 or 3
	Economics 8 (General Education: CSU Area D or IGETC Area 4)	3
	Political Science 1 (General Education: CSU Area D or IGETC Area 4)	3
	Communication Studies 12 or Anthropology 2 of Sociology 1 or Psychology 1 or Geography 3 (General Education: CSU Area D or IGETC Area 4)	3
	Any Arts or Humanities elective (For UC transfer only- General Education: IGETC Area 3A/3B)	3

For alternative **CSU/UC General Education** options refer to the back of this page or in the RCC Catalog, under **Requirements for College Transfer**, page 79.

RCC Catalog website link:

<https://www.rcc.edu/departments/Pages/College-Catalog.aspx>

**Mathematics Course Rotation**

Fall Semester	Winter Interession	Spring Semester	Summer Interession
Math 36	Math 36	Math 36	Math 36
Math 10	Math 10	Math 10	Math 10
Math 1A	Math 1A	Math 1A	Math 1A
Math 1B	Math 1B	Math 1B	Math 1B
Math 1C		Math 1C	
Math 2		Math 2	
Math 3		Math 3	

**Milestones**

**Milestones** are courses, co-curricular activities and **recommendations** from your Student Success Team that will keep you on track towards completion of your degree.

**Check off your milestones as you complete them.**

**Mathematics Degree Completion Milestones**

- Complete English 1A (transfer-level English)
- Complete Mat 1A (transfer-level math)
- Complete Entire Calculus Series
- Apply to Universities (CSU/UC application period Oct 1-Nov 30)
- Apply for ADT degree by beginning of spring term before transfer
- Complete RCC Graduation application (during your last term)

**Student Success Team Milestones**

- Meet with your Counselor to Complete your Comprehensive Student Education Plan (SEP)
- Complete FAFSA (Oct 1<sup>st</sup>- Mar 2<sup>nd</sup> for priority)
- Meet with Faculty Advisor for career opportunities
- Meet with your Counselor to update SEP (every semester)
- Meet with your Counselor for pre-graduation check

**Co-Curricular Activity Milestones**

- Research Potential Clubs on Campus
- Participate in tutoring, student success workshops or supplemental instruction
- Visit the Career Center for Internship opportunities
- Research transfer institutions
- Attend Transfer workshops and Transfer Fair
- Participate in an internship/ job shadowing
- Participate in a research activity (meet with Faculty Advisor)

Enrollment status will impact the completion time for your degree and/or transfer. Full Time students are recommended to take between 12-15 units per term. Part Time students are encouraged to take between 6-9 units per term (meet with a counselor to determine appropriate work/life/school balance). Program completion is dependent on your schedule availability and when courses are offered.

## ALTERNATIVE CSU GENERAL EDUCATION OPTIONS FOR MATHEMATICS (ADT)

**RIVERSIDE CITY COLLEGE**  
**California State University General Education Requirements**  
**2018-2019**

*The courses listed below will fulfill the lower division general education requirements for all CSU campuses.*

- A. English Language Communication and Critical Thinking (minimum 9 semester or 12 quarter units) \*\*\*\*Must be completed prior to transfer!**  
 Select one course from each group. *Grades of 'C' or better are required.*  
**A1. Oral Communication:** Communication Studies 1 or 1H,6,9 or 9H \*\*\*\*  
**A2. Written Communication:** English 1A/1AH \*\*\*\*  
**A3. Critical Thinking:** Communication Studies 2,3; English 1B or 1BH; Philosophy 11,32; Reading 4 \*\*\*\*
- B. Scientific Inquiry and Quantitative Reasoning (minimum 9 semester or 12 quarter units) \*\*\*\*Must be completed prior to transfer! Select one course from groups 1, 2 and 4.**  
**At least one of the science courses must have a lab – see underlined courses.**  
**B1. Physical Science:** Astronomy 1A,1B; Geography 1 or 1H,1/1L or 1H/1L, 5; Geology 1,1/1L,1B,2,3; Oceanography 1,1/1L; Physical Science 1,5; Physics 10,10/11  
**B2. Life Science:** Anthropology 1 or 1H,1L; Biology 1/1H,5,6,7,8,9,10,14, 14/15, 18(formerly BIO 34),19 (formerly BIO 36),20,45 (formerly AMY 10), Psychology 2;  
**B3. Laboratory Activity:** This requirement may be met by completion of any lab course listed above in areas B-1 or B-2. All underlined courses will meet this requirement.  
**B4. Mathematics/Quantitative Reasoning** (grade of 'C' or better is required): Math 1A,4, 5,11, 12 or 12H,25, 36, 10; Psychology/Sociology 48\*\*\*\*
- C. Arts and Humanities (minimum 9 semester or 12 quarter units) Select three courses, with at least one course from "Arts" and one course from "Humanities":**  
**C1. Arts:** Art 1,2 or 2H, 6; Communication Studies 11; Dance 6 or 6H; Film Studies 1 or 1H,2,3,4,5; Film, Television and Video 65; Music 19, 89 or 89H; Theater Arts 3  
**C2. Humanities:** American Sign Language 1; Arabic 1; Chinese 1,11; English 6,7,40,41,44,45,48; Film Studies 5,7,8; Film, Television and Video 12; French 1, 8,11; German 1,11; History 1,2 or 2H,6 or 6H,7 or 7H,14,15,31, 34; Humanities 16; Italian 1,11; Japanese 1,11; Korean 1,11; Latin 1; Philosophy 10 or 10H,12; Portuguese 1; Russian 1,11; Spanish 1 or 1H,3N,11
- D. Social Sciences (minimum 9 semester or 12 quarter units) Select three courses from at least two disciplines:**  
 Anthropology 2 or 2H; Communication Studies 9 or 9H,12; Early Childhood Studies 20,42; Economics 4, 7 or 7H, 8 or 8H, 9 or 9H, 10; Journalism 7; Political Science 1 or 1H; Psychology 1 or 1H,8,9,33,35,50; Sociology 1 or 1H,2,3,10,12,15,20,25,50
- E. Lifelong Learning and Self-Development (minimum 3 semester or 4 quarter units)**  
 Biology 35 (*same as HES1*); Early Childhood Studies 20,42; Guidance 47,48; Health Science 1; Kinesiology 4, 35, 36; Psychology 9,33; Sociology 12  
*Activity courses - Only 1 unit of activity coursework may be applied towards area E. Students may complete GUI-48 combined with 1 unit from the approved activity courses listed below in order to fulfill the 3 units required in area E. Military veterans who submit DD214 will be awarded 3 units towards Area E certification.*

## CAREER & TRANSFER INFORMATION FOR MATHEMATICS MAJORS

### Careers and National Median Salaries for Mathematics Majors

Cryptographer	\$116,500
Mathematician	\$103,000
Economist	\$102,500
Actuary	\$101,500
Financial planner	\$90,600
Investment analyst	\$84,300
Statistician	\$84,000
Operations research analyst	\$81,400

Salary and Career Information may vary based upon source and year. For updated Career and Salary information, contact the Career Center, located in the Charles A. Kane building, second floor.

source:www.trade-schools.net

### Transfer Information for Mathematic Majors

CSU San Bernardino, CSU Fullerton, Cal Poly Pomona and UC Riverside have fascinating Math Programs with the option of completing a teaching track for K-12 and Secondary education.

### Contact your STUDENT SUCCESS TEAM!

**STEM- Engagement Center**  
 MLK Building, Room 222  
 951-328-3694

**Counseling Department**  
 Charles A. Kane building, second floor  
 951-222-8440

The Riverside Community College District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities. The following person has been designated to handle inquiries regarding the nondiscrimination policies or practices: District Compliance Officer, 3801 Market Street, Riverside, CA 92501, (951) 222-8039.