

RIVERSIDE COMMUNITY COLLEGE DISTRICT

Associate Degree Requirements

2021-2022

The governing board of the Riverside Community College District shall confer the degree of associate in one of the eight areas of emphasis upon the student who has demonstrated competence and who has completed the following requirements:

Residence Requirement:

In order to receive an A.A. /A.S. degree from Riverside Community College District, a student must complete 12 units in residence at one of the colleges within the Riverside Community District.

Academic Coursework Taken at other Colleges and Universities:

Transcripts from other accredited institutions, submitted as official documentation of a student's record, must be printed no more than 90 days/three months ago, be in a sealed envelope from the institution, and be submitted to the Admissions and Records office at the student's home college. Course credit is accepted from all regionally accredited institutions as listed at www.collegesource.org. Credits from institutions, which are in candidacy status, will be accepted after full accreditation is granted. The two years preceding full accreditation will also be applicable towards the AA/AS Degree.

Grade Point Average Requirement:

A student must have a minimum grade point average of not less than 2.0 ("C" average) in work taken at Riverside Community College District. If coursework taken at one or more accredited colleges is used to satisfy degree requirements, the overall cumulative grade point average must not be less than 2.0 and will include the combination of all grades from all transcripts used. If coursework is applied towards degree requirements from an institution using a "+/-" grading scale, the original grade points assigned by that institution as indicated on the transcript will be used to calculate the cumulative grade point average. Honors for graduation will be calculated in the same manner.

Petition for Graduation:

Students may apply for degrees and certificates during the following application periods:

Summer—First day of summer term through July 15 to graduate in Summer.

Fall—First day of fall term through October 15 to graduate in Fall.

Winter—First day of winter term through February 1 to graduate in Winter or Spring.

Spring—First day of spring term through April 1 to graduate in Spring.

Students who apply during these periods may participate in the Commencement ceremony as long as they are missing no more than 9 units to graduate.

Certificate and Associate Degree Applications:

Students will need to log into their WebAdvisor account online and choose Degree Application or Certificate Application from the Students Menu in order to apply for their degree/certificate. All official college transcripts or verifying documents must be on file with Norco College in order for the Evaluations/Graduation office to review applications and determine eligibility. A graduation check with a counselor is recommended before applying.

Second Degrees:

A student may earn more than one degree (AA/AS) from Norco College. Students who have met degree requirements in a previous academic year and have not maintained continuous enrollment will be awarded the degree in the term in which the application is submitted, provided all current degree requirements are met.

Catalog Rights:

Graduation requirements apply to students who are enrolled for any term (summer, fall, winter, spring) indicated by this catalog ~ summer 21 through spring 22. Students who enrolled prior to this current year and who have maintained continuous enrollment have the option of meeting the current requirements or those in effect at the time their continuous enrollment began. Continuous enrollment is defined as attendance of one term during each academic year.

Scholastic Honors at Commencement:

Honors at commencement will be awarded to students with a cumulative GPA of 3.30 or higher. Their names are listed in the commencement program as receiving the Associate Degree with Distinction (3.30 GPA) or with Great Distinction (3.70 GPA). A gold tassel will be worn by students graduating with honors. Coursework taken during the final spring semester will not be used to calculate honors at commencement. Grade point averages are not rounded up. If coursework taken at one or more accredited colleges is used to satisfy degree requirements, the overall cumulative grade point average will include the combination of all grades from all transcripts used.

Dean's List:

Each semester, those students who have demonstrated outstanding scholastic achievement by completing at least 12 units of credit-graded work in one semester or 12 units of credit-graded work earned in no more than one academic year (fall, winter and spring, with summer being excluded) with a grade point average of 3.0 or better (completed units will be considered only once for a particular Dean's List) will be recognized by a letter from the Dean of Instruction.

General Education Requirements:

General education is designed to introduce students to a breadth of study through which people comprehend the modern world. It reflects the conviction of Riverside Community College District that those who receive their degrees must possess in common certain basic principles, concepts and methodologies both unique to and shared by the various disciplines. Special workshop classes (numbered in the 100 series) cannot be used to fulfill general education requirements. The following courses are non-degree applicable: All non-credit courses (numbered in the 800 series), Academic Literacy & Reading 83, 86; Communication Studies 51, 85A, 85B; Cosmetology 97A, 97B, 98A, 98B, 99A, 99B; EMS 40, 41; English 80, 85, 91; English as a Second Language 46, 47, 48, 51, 52, 53, 71, 72, 90A-P, 91, 92, 95; Interdisciplinary Studies 3; Mathematics 37, 42, 45, 52, 81, 82, 98, 105, 112, 125, 136; Nursing (Assistant) 80, 80A, 80B, 81, 86; Nursing (Continuing Education) 81; Nursing (Registered) 11B, 11C, 12B, 12C, 18, 21B, 21C, 22B, 22C, 100, 107; Nursing (Vocational) 52A, 52B, 52C, 62A, 62B, 62C.

As part of the Associate of Arts or Associate of Science degree students must complete one of three general education patterns:

-Plan A:

The Riverside Community College District General Education (RCCD GE) pattern which requires a minimum of 27 units. (See next page of handout.)

-Plan B:

The California State University General Education (CSU GE) pattern which requires completion of a minimum of 39 units. (See CSU GE pattern, separate handout.)

-Plan C:

The Intersegmental General Education Transfer Curriculum (IGETC) pattern which requires a minimum of 34 (IGETC for UC) or 37 (IGETC for CSU) units. (See IGETC pattern, separate handout)

Students should see a counselor for advice on selecting the general education plan that will best meet their educational and career goals.

Students with a Bachelor's Degree:

Students who have been awarded a bachelor's degree from a regionally-accredited institution in the United States will be exempt from the general education requirements should they pursue an Associate of Arts or Science degree at one of the District's colleges.

Unit Requirement:

The associate degree requires a minimum of 60 degree applicable semester units, of which 18 semester units are in one of the eight areas of emphasis listed on pages 4-7.

THIS IS FOR ADVISING PURPOSES ONLY. NOT A STUDENT EDUCATIONAL PLAN.

Riverside Community College District General Education Requirements – PLAN A (RCCD GE)		C	IP	N
Legend: C=Units Completed, I=Units In Progress, N=Units Needed				
A. Natural Sciences (3 units) Anthropology 1/1H; Astronomy 1A,1B; Biology 1/1H, 2, 2A, 2B, 3, 4 (Formerly BIO-17), 5, 6, 7, 8, 9, 10, 14, 15, 16 (Formerly BIO-30), 18 (Formerly BIO-34), 19 (Formerly BIO-36), 20, 21, 31ABCDE, 40, 45 (Formerly AMY-10), 50A (Formerly AMY-2A), 50B (Formerly AMY-2B), 55 (Formerly MIC-1), 60/60H (Formerly BIO-11/11H), 61 (Formerly BIO-12), 85; Chemistry 1A/1AH, 1B/1BH, 2A, 2B, 3, 10, 12A, 12B, 17; Geography 1, 1/1L, 1H, 1H/1L, 5; Geology 1, 1/1L, 1B, 2, 3, 4, 5, 30A, 30B, 31, 32; Oceanography 1, 1/1L; Physical Science 1, 5; Physics 2A, 2B, 4A, 4B, 4C, 4D, 10, 11; Psychology 2 (<i>Waivers granted for COS 60C and ELE 21</i>)				
B. Social and Behavioral Sciences (6 units) 1. American Institutions (3 units) Ethnic Studies 2, 15, 28 29; History 6/6H, 7/7H, 15, 26, 28, 29, 31, 34; Political Science 1/1H, 5 AND 2. Social and Behavioral Sciences (3 units) American Sign Language 22; Anthropology 2/2H, 3, 4, 5, 6, 7, 8, 10, 16; Communication Studies 9/9H, 12, 13, 20; Early Childhood Education 20; Economics 4, 5, 6, 7/7H, 8/8H, 9/9H, 10; Ethnic Studies 14, 21, 23, 27, 44; Geography 2, 3, 4, 6, 7, 8, 30ABCD; History 1, 2/2H, 4, 5, 11, 12, 14, 19, 21, 22, 25, 32, 33, 35, 42, 44; Human Services (any course); Military Science 1, 2; Political Science 2/2H, 3, 4/4H, 6, 7ABCD, 8, 10, 10ABC, 11, 12, 13, 14, 17, 20, 21, 22, 23; Psychology 1/1H, 8, 9, 10, 33, 35/35H, 48, 50; Sociology 1/1H, 2, 3, 10/10H, 12, 15, 20, 23, 25, 48, 50				
C. Humanities (3 units) American Sign Language 1; Architecture 36; Art (any course); Art History (any course); Communication Studies 7, 11; Dance 6/6H, 7, 8, 9; English 1B/1BH, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17ABC, 18, 20, 23, 24, 25, 30, 34, 35, 38, 38A, 38B, 38C, 39, 40, 41, 44, 45, 48; Ethnic Studies 13, 18, 20, 24, 25; Film, TV and Video (any course); Foreign Language (any course); Gaming 2 (Formerly GAM-21); History 1, 2/2H, 4, 5; Humanities 4/4H, 5/5H, 8, 9, 10/10H, 11, 16, 18, 20ABC, 23, 35; Music (any course); Philosophy 10/10H, 12, 13, 14, 19, 22, 33, 34, 35, 36; Photography 8; Theater Arts (any course)				
D. Language and Rationality (10 units) 1. English Composition (4 units) English 1A/1AH (“C” grade or better) 2. Communication & Analytical Thinking (6-8 units) Select 2 courses from 2 different disciplines: Academic Literacy & Reading 4; Communication Studies 1/1H, 9/9H; Computer Information Systems/Computer Science 1A-30; English 1B/1BH; Mathematics 1-36; Philosophy 11, Philosophy/Math 32				
E. Health Education and Self Development (5 units) 1. Health Education (3 units) Health Science 1/ Biology 35 (or completion of the DEH, EMS, VN, or RN program; or submission of a DD214) 2. Self Development (2 or 3 units) Option 1- Kinesiology (2 activities courses) KIN 6, 29, 42, 47; any KIN or DAN activity class; MUS 48, 59, 60, 61 OR Option 2- Fitness and Wellness (2-3 units) ALR 3; GUI 47, 48; KIN 4, 30, 35, 36, 38 Notes: Students are exempt from the self-development requirement when they complete the Cosmetology program, Registered or Vocational Nursing program, Basic Peace Officer Training Academy, the Firefighter Academy, EMS program, or through submission of a DD214. Five units will be awarded towards fulfillment of RCCD GE area E: Health Education and Self Development upon presentation of a DD214, NOBE, or ID card for active military.				
MATH Competency -Completion of a Riverside Community College District Mathematics course with a grade of “C” or higher selected from MATH 1-36 (excluding MAT-32) or MAT-53, PSY/SOC-48 or the equivalent [CLEP, AP/IB Exams, Credit by Exam, other pathways such as courses from other colleges/universities, or Early Assessment Test (EAP for CSU, MCAP)]. -See a counselor for more information.				
READING Competency Demonstrated by one of the following: -Completion of Academic Literacy & Reading - 3 or 83 with a grade of “C” or higher OR ; -A minimum grade of “C” in each general education course OR ; -Students have completed 60 degree applicable units with a 2.0 or higher GPA OR ; -Completion of an associate’s or higher degree at a regionally accredited institution.				
Unit Requirement: A minimum of 60 degree applicable units are required, of which 18 are in one of the 8 areas of emphasis listed below. UNITS COMPLETED _____ UNITS IN PROGRESS _____ UNITS NEEDED _____				

Associate of Arts:

1. ADMIN. & INFORMATION SYSTEMS (NAA494/NAA494B/NAA494C)

The student must successfully complete 18 units of study with a Grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

Required Courses (9 units, selected from the following):

Accounting (ACC) 1A;
Business (BUS) 10, 10H, 18A;
Computer Applications and Office Technology (CAT) 3;
Computer Information Systems (CIS) 1A, 3;
Economics (ECO) 7,7H, 8, 8H;
Political Science (POL) 8

Elective Courses (9 additional units, selected from:

Accounting (ACC) 1A, 1B, 38;
Business (BUS) 10, 10H, 18A, 18B, 20, 22, 80
Communication Studies (COM) 1, 1H, 6, 9, 9H, 12, 13;
Computer Applications and Office Tech. (CAT) 3, 31;
Computer Information Systems (CIS) 1A, 1B, 2, 3, 5;
Computer Science (CSC) 2, 5;
Economics (ECO) 4, 6, 7, 7H, 8, 8H;
Library (LIB) 1;
Management (MAG) 44;
Marketing (MKT) 20;
Political Science (POL) 6, 8

2. COMM., MEDIA & LANGUAGES (NAA495/NAA495B/NAA495C)

The student must successfully complete 18 units of study across 3 disciplines; 9 units must be taken in a single discipline with a grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

Academic Literacy & Reading (ALR) 4;
Anthropology (ANT) 8;
Applied Digital Media (ADM) 1;
Arabic (ARA) 1, 2, 3, 8, 11;
American Sign Language (ASL) 1, 2, 3, 4, 5, 10, 11, 12, 13, 14, 20, 22;
Chinese (CHI) 1, 2, 11;
Communication Studies (COM) 1, 1H, 2, 3, 5, 6, 7, 9, 9H, 11, 12, 13, 19;
English (ENG) 1A, 1AH, 1B, 1BH, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 20, 23, 25, 30, 34, 35, 38, 39, 40, 41, 44, 45, 48, 49;
Ethnic Studies (ETS) 20, 25;
Film Studies (FST) 1, 1H, 2, 3, 4, 5;
Film, Television and Video (FTV) 12, 44A, 45A, 65;
French (FRE) 1, 2, 3, 8, 11;
Italian (ITA) 1, 2, 3, 11;
Japanese (JPN) 1, 2, 3, 4, 11;
Journalism (JOU) 1, 2, 7, 12, 20A, 20B, 20C, 20D, 52A, 52B, 52C, 52D;
Library (LIB) 1;
Photography (PHO) 12;
Portuguese (POR) 1, 2;
Russian (RUS) 1, 2, 3, 11;
Spanish 1, 1A, 1B, 1H, 2, 2H, 3, 3N, 4, 8, 11, 12, 13, 51

3. FINE & APPLIED ARTS

(NAA496/NAA496B/NAA496C)

The student must successfully complete 18 units of study across a maximum of 3 disciplines with 9 units from a single discipline and with a grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

Applied Digital Media (ADM) 1, 2C, 30, 67, 68A, 68B, 70, 71A, 71B, 74A, 74B, 77A, 77B, 200;
Art (ART) 6, 6H, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25A, 25B, 26, 27, 28A, 28B, 30A, 30B, 34, 35A, 35B, 36A, 36B, 38, 39, 40A, 40B, 41A, 41B, 42A, 42B, 43A, 43B, 44A, 44B, 44C, 45, 46, 47, 48A, 48B, 49A, 49B, 200;
Art History (AHS) 1, 1H, 2, 2H, 3, 4, 5, 6, 6H, 7, 8, 9, 10, 11, 12, 13, 14;
Communication Studies (COM) 1, 1H, 2, 3, 7, 11, 19;
Dance (DAN): 6, 6H, 7, 8, 9, D9, D10, D12, D13, D14, D15, D16, D17, D19, D20, D21, D22, D23, D25, D29, D31, D32, D33, D34, D37, D38, D39, D43, D44, D46, D47, D48, D49, D50, D51, D60;
English (ENG) 11, 12, 13, 17A, 17B, 17C, 38, 39, 49;
Film, Television, and Video (FTV): 38A, 38B, 41, 42, 43, 44A, 45A, 46, 48, 51A, 51B, 52, 53, 64A, 65, 66, 67, 68, 72;
Music (MUS): 3, 4, 5, 6, 8A, 8B, 9, 10, 19, 19H, 22, 23, 25, 26, 28, 29, 30, 31, 32A, 32B, 32C, 32D, 33, 35, 36, 37, 38, 39, 41, 42, 43A, 43B, 43C, 44, 48, 49, 50, 51, 52, 53, 54, 55, 57, 58, 61, 65, 68, 69, 70, 73, 77, 81, 82, 83, 84, 87, 89, 89H, 92, 93, 94, P12, P36, P44, P84;
Photography (PHO): 8, 9, 10, 17, 20, 200;
Theatre (THE): 2, 3, 4, 5, 6, 25, 26, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 41, 44, 46, 48, 49, 54

4. HUMANITIES, PHILOSOPHY, & ARTS

(NAA497/NAA497B/NAA497C)

The student must successfully complete 18 units of study across 3 disciplines; 9 units must be taken in a single discipline. Up to 3 units may be taken in a studio course. The 18 units must be completed with a grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

American Sign Language (ASL): 1, 2, 3, 4, 5, 10, 11, 12, 13, 14, 20, 22;
Anthropology (ANT): 7, 8;
Arabic (ARA): 1, 2, 3, 8, 11;
Architecture (ARE): 36;
Art (ART): 6, 6H;
Art History (AHS): 1, 1H, 2, 2H, 3, 4, 5, 6, 6H, 7, 8, 9, 10, 11, 12, 13, 14;
Chinese (CHI): 1, 2, 11;
Communication Studies (COM): 1, 1H, 2, 3, 5, 7, 9, 9H, 11, 12, 13, 19;
Dance (DAN): 6, 6H;
English (ENG): 1B, 1BH, 6, 7, 8, 9, 10, 14, 15, 16, 18, 20, 23, 25, 30, 34, 35, 40, 41, 44, 45, 48;
Ethnic Studies (ETS): 2, 13, 14, 15, 18, 20, 25, 28, 29;
Film, Television & Video (FTV): 12, 65;
Film Studies (FST): 1, 1H, 2, 3, 4, 5;
French (FRE): 1, 2, 3, 8, 11;
Game Development (GAM): 2 (Formerly GAM-21);
History (HIS): 1, 2, 2H, 4, 5, 6, 6H, 7, 7H, 14, 15, 25, 26, 28, 29, 31, 32, 34, 35;
Humanities (HUM): 4, 4H, 5, 5H, 8, 9, 10, 10H, 11, 16, 18, 23, 35;
Italian (ITA): 1, 2, 3, 11;
Japanese (JPN): 1, 2, 3, 4, 11;
Library (LIB): 1;
Music (MUS): 19, 19H, 20, 21, 22, 25, 26, 89, 89H, 93;
Philosophy (PHI): 10, 10H, 12, 13, 14, 15, 19, 22, 32, 33, 35;
Political Science (POL): 11;
Portuguese (POR): 1, 2;
Russian (RUS): 1, 2, 3, 11;
Spanish (SPA): 1, 1A, 1B, 1H, 2, 2H, 3, 3N, 4, 8, 11, 12, 13, 51;
Theatre (THE): 3, 29;

Applicable studio courses include (Note that some classes are less than three units.):

Art (ART): 15, 16, 17, 18, 20, 21, 22, 23, 24, 25A, 25B, 26, 27, 28A, 28B, 30A, 30B, 34, 35A, 35B, 36A, 36B, 38, 39, 40A, 40B, 41A, 41B, 42A, 42B, 43A, 43B, 44A, 44B, 44C, 45, 46, 47, 48A, 48B, 49A, 49B, 200;
Dance (DAN): 7, 8, 9, D9, D10, D12, D13, D14, D15, D16, D17, D19, D20, D21, D22, D23, D25, D29, D31, D32, D33, D34, D37, D38, D39, D43, D44, D46, D47, D48, D49, D50, D51, D60;
English (ENG) 11, 12, 17A, 17B, 17C, 38;
Music (MUS): 8A, 8B, 9, 10, 12, 28, 29, 30, 31, 32A, 32B, 32C, 32D, 33, 35, 36, 37, 38, 39, 41, 42, 43A, 43B, 43C, 44, 48, 49, 50, 51, 52, 53, 54, 55, 57, 58, 61, 65, 68, 69, 70, 71, 73, 77, 78, 79, 81, 82, 83, 84, 92, 94, P12, P36, P44, P84;
Theatre (THE) 2, 4, 5, 6, 25, 26, 30, 32, 33, 34, 35, 36, 37, 38, 41, 5

5. KINESIOLOGY, HEALTH & WELLNESS
(NAA498/NAA498B/NAA498C)

The student must successfully complete 18 units of study with a grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

Required Courses (take 3 units in each of the two disciplines):

Health Science (HES): 1/BIO-35

Kinesiology/academic courses (KIN): 4, 6, 10, 12, 16, 17, 18, 23, 24, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 38

Elective Courses (12 additional units, selected from the following):

Biology (BIO): 4 (Formerly BIO-17), 16 (Formerly BIO-30), 18 (Formerly BIO-34), BIO-45 (Formerly AMY-10), BIO-50A (Formerly AMY-2A), BIO-50B (Formerly AMY-2B);

Early Childhood Education (EAR) 26;

Guidance (GUI): 45, 46, 47, 48;

Kinesiology/academic courses (KIN): 4, 6, 10, 12, 16, 17, 18, 23, 24, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 38;

Kinesiology/activity courses (KIN): A03, A04, A07, A11, A12, A13, A20, A21, A28, A29, A30, A31A, A31B, A31C, A40, A41, A43, A44, A46, A47, A54A, A54B, A55, A57A, A57B, A57C, A64, A64A, A64B, A64C, A67, A68, A69, A71, A75A, A75B, A77A, A77B, A77C, A81A, A81B, A81C, A83, A86, A87, A88, A89A, A89B, A89C, A90A, A90B, A90C;

Kinesiology/varsity courses (KIN): V01, V02, V04, V05, V06, V07, V08, V09, V10, V11, V12, V14, V18, V19, V20, V21, V22, V23, V24, V25, V26, V27, V33, V34, V50, V51, V52, V53, V60, V61, V70, V78, V82, V92, V94, V95

A course may only be counted once except for varsity courses.

6. SOCIAL & BEHAVIORAL STUDIES
(NAA499/NAA499B/NAA499C)

The student must successfully complete 18 units of study across a minimum of 3 disciplines listed below with a grade of 'C' or better or a 'P' if taken on a 'pass-no pass' basis.

INCLUDED DISCIPLINES AND COURSES:

Administration of Justice (ADJ): 1, 2, 3, 4, 5, 6, 8, 9, 9H, 13, 14, 15, 16, 18, 20, 21, 22, 25, 30;

American Sign Language (ASL): 22;

Anthropology (ANT): 1, 1H, 2, 2H, 3, 4, 5, 6, 7, 8, 10;

Communication Studies (COM): 1, 1H, 2, 3, 5, 6, 9, 9H, 12, 13;

Early Childhood Studies (EAR): 19, 20, 25, 28, 33, 40, 42, 43, 47;

Economics (ECO) 4, 5, 6, 7, 7H, 8, 8H, 9, 9H, 10;

Ethnic Studies (ETS): 27

Geography (GEG): 2, 3, 4, 6;

Guidance (GUI): 47, 48;

History (HIS): 1, 2, 2H, 4, 5, 6, 6H, 7, 7H, 35;

Human Services (HMS) 4, 5, 6, 7, 8, 13, 14, 16, 18, 19;

Library Science (LIB): 1;

Political Science (POL): 1, 1H, 2, 2H, 3, 4, 4H, 5, 6, 7ABCD, 8, 10A, 10B, 10C, 11, 12, 13, 14;

Psychology (PSY): 1, 1H, 2, 8, 9, 33, 35, 35H, 48, 50;

Sociology (SOC): 1, 1H, 2, 3, 10, 10H, 12, 15, 20, 22, 25, 48

Associate of Science:

7. CAREER AND TECHNICAL PROGRAMS

The Associate in Science Degree in Career and Technical Education Programs will be awarded upon completion of the requirements for the certificate or program of 18 units or more with a grade of “C” or better or a “P” if the course is taken on a “pass/nopass” basis plus completion of the graduation requirements as described in the catalog, as well as electives, totaling 60 units of college work as required for the associate degree. Specific requirements for each program are listed in the catalog under Section V- Curricular Patterns.

50% of the coursework for any certificate pattern must be completed at any of the colleges within Riverside Community College District, with 1 course completed from the college awarding the certificate . A grade of “C” or better is required for each course.

8. MATH AND SCIENCE

(NAS493/NAS493B/NAS493C)

The student must successfully complete 18 units of study with a grade of ‘C’ or better or a ‘P’ if taken on a ‘pass-no pass’ basis.

Required Courses (take one course in each of the 3 categories, including one course with a lab):

Mathematics (MAT):

1A, 5, 10, 11, 12, 12H, 25

Physical Sciences:

Astronomy (AST) 1A, Chemistry (CHE) 1A, 1AH, 2A, 3, 10, Geography (GEG) 1, 1H, 1L, Geology (GEO) 1, 1L, 3, Oceanography (OCE) 1, Physical Science (PHS) 1, Physics (PHY) 2A,4A,10

Life Sciences:

Life Sciences: BIO-1, 1H, 2, 2A, 2B
4 (Formerly BIO-17), 5, 6, 7, 8, 9, 10,
18 (Formerly BIO-34), 19 (Formerly BIO-36),
20, 50A (Formerly AMY-2A), 55 (Formerly MIC-1),
60 (Formerly BIO-11), 60H (Formerly BIO-11H)

Elective Courses (The remaining units may be taken from any of the following courses:

Anthropology (ANT) 1, 1H;
Astronomy (AST): 1A, 1B;
Biology (BIO): 1, 1H, 2, 2A, 2B, 3,
4 (Formerly BIO-17), 5, 6, 7, 8, 9, 10, 14, 15,
16 (Formerly BIO-30), 18 (Formerly BIO-34),
19 (Formerly BIO-36), 20, 31A, 31B, 31C,
31D, 31E, 35, 40, 45 (Formerly AMY-10),
50A (Formerly AMY-2A), 50B (Formerly AMY-2B),
55 (Formerly MIC-1), 60 (Formerly BIO-11),
60H (Formerly BIO-11H), 61 (Formerly BIO-12), 85;
Chemistry (CHE): 1A, 1AH, 1B, 1BH, 2A, 2B, 3, 10, 12A,
12B, 17;
Computer Information Systems (CIS): 5, 17A, 17B, 17C,
18A, 18B, 18C;
Computer Science (CSC): 5, 17A, 17B, 17C, 18A, 18B, 18C;
Electronics (ELE): 23, 25;
Engineering (ENE):10, 21, 27, 30, 35;
Geography (GEG): 1, 1L, 1H, 5;
Geology (GEO): 1, 1L, 1B, 3;
Health Science (HES): 1;
Mathematics (MAT): 1A, 1B, 1C, 2, 3, 5, 10, 11, 12, 12H,
25, 32, 36;
Oceanography (OCE): 1, 1L;
Physical Science (PHS): 1, 5;
Physics (PHY): 2A, 2B, 4A, 4B, 4C, 4D, 10, 11; Psychology
(PSY): 2

A course may only be counted once.