

# A.A. Liberal Arts Sciences: Math and Sciences 25-26

## ABOUT THIS MAJOR

This degree will provide students with an opportunity to earn an AA degree in one of three major areas of study: Math and Sciences; Social/Behavioral Sciences; or Arts and Humanities. It is designed for students who wish to explore different disciplines (subject areas) before deciding on a definite major program prior to transferring to a four-year university, or for students who may not be planning to transfer but wish to earn a degree in a particular area of study that interests them.

### TO EARN A DEGREE A STUDENT MUST COMPLETE THE FOLLOWING:

- [1] Completion of a minimum of 60-semester units or 90 quarter units of degree applicable courses
- [2] A minimum of 18-semester units in a major
- [3] Completion of 21 units AVC General Education Requirements
- [4] Minimum overall grade point average of 2.0
- [5] A "C" or better in all courses required for the major

## A.A. Liberal Arts Sciences- Math & Science

[Total Units Required for the Major 18]

At least 6 units from Math & 6 units from Sciences.

\*The remaining 6 units may come from either Math or Science list.

| MATH- complete at least (6-12 units) from the following:          |   |
|-------------------------------------------------------------------|---|
| MATH110 - Mathematics for Liberal Arts Students                   | 3 |
| STATC1000 - Introduction to Statistics                            | 4 |
| STATC1000H - Introduction to Statistics - Honors                  | 4 |
| MATH116 - Introduction to Statistics Using R                      | 4 |
| MATH124 - Finite Math                                             | 4 |
| MATH128 - College Algebra for Liberal Arts                        | 3 |
| MATH140 - Precalculus                                             | 4 |
| MATH148 - Calculus for Business and Economics                     | 4 |
| MATH150 - Calculus and Analytic Geometry                          | 5 |
| MATH150H - Calculus & Analytic Geometry Honors                    | 5 |
| MATH160 - Calculus and Analytic Geometry                          | 4 |
| MATH220 - Linear Algebra                                          | 4 |
| MATH230 - Introduction to Ordinary Differential Equations         | 4 |
| MATH250 - Calculus and Analytic Geometry                          | 4 |
| SCIENCES- complete at least (6-12 units) from the following:      |   |
| ANTH101 - Introduction to Biological Anthropology                 | 3 |
| ANTH101H - Biological Anthropology Honors                         | 3 |
| ASTR101 - Astronomy                                               | 3 |
| BIOL101 - General Biology                                         | 3 |
| BIOL101L - General Biology Lab                                    | 1 |
| BIOL103 - Introduction to Botany                                  | 4 |
| BIOL104 - Environmental Biology                                   | 3 |
| BIOL104H - Environmental Biology Honors                           | 3 |
| BIOL110 - General Molecular Cell Biology                          | 5 |
| BIOL120 - General Organismal, Ecological and Evolutionary Biology | 5 |
| BIOL201 - General Human Anatomy                                   | 4 |
| BIOL202 - General Human Physiology                                | 4 |
| BIOL204 - General Microbiology                                    | 5 |
| CHEM101 - Introductory Chemistry                                  | 5 |
| CHEM102 - Introductory Chemistry (Organic & Biochemistry)         | 4 |
| CHEM110 - General Chemistry                                       | 5 |
| CHEM120 - General Chemistry                                       | 5 |
| CHEM210 - Organic Chemistry                                       | 5 |
| CHEM220 - Organic Chemistry                                       | 5 |
| ERSC101 - Introduction to Earth Science                           | 4 |
| GEOG101 - Physical Geography: Earth's Surface Landscapes          | 3 |
| GEOG102 - Physical Geography: Earth's Weather & Climate           | 3 |
| GEOL101 - Physical Geology                                        | 3 |
| GEOL101H - Physical Geology Honors                                | 3 |
| GEOL102 - Historical Geology                                      | 3 |
| PHYS101 - Introductory Physics                                    | 4 |
| PHYS102 - Introductory Physics                                    | 4 |
| PHYS110 - General Physics                                         | 4 |
| PHYS120 - General Physics                                         | 4 |
| PHYS211 - General Physics                                         | 5 |
| PSCI101 - Physical Science                                        | 4 |

## RECOMMENDED PATHWAY

### Associate of Science in Liberal Arts & Sciences: Math & Sciences

The Recommended Plan of Study is determined by the discipline faculty  
Take classes in Summer or Intersession if needed to complete your degree in a timely manner!

Fall/Spring: Max 19 units | Summer: Max 9 units | Intersession: Max 6 units

Major General Education General Elective

### SEMESTER 1

| Course                                          | Units |
|-------------------------------------------------|-------|
| LAMS MAJOR COURSE: MATH COURSE                  | 3-5   |
| AVC GE Area 1A: EnglC1000/H {formally Engl 101} | 3     |
| GENERAL ELECTIVE                                | 3     |
| GENERAL ELECTIVE                                | 3     |
| GENERAL ELECTIVE                                | 3     |
| Total Units                                     | 15-17 |

### SEMESTER 2

| Course                                     | Units |
|--------------------------------------------|-------|
| LAMS MAJOR COURSE: MATH COURSE             | 3-5   |
| LAMS MAJOR COURSE: SCIENCE COURSE          | 3-5   |
| AVC GE Area 1B: Oral Comm.& Critical Think | 3     |
| GENERAL ELECTIVE                           | 3     |
| GENERAL ELECTIVE                           | 3     |
| Total Units                                | 15-18 |

### SEMESTER 3

| Course                            | Units |
|-----------------------------------|-------|
| LAMS MAJOR COURSE: SCIENCE COURSE | 3-5   |
| LAMS MAJOR COURSE: MATH COURSE    | 3-5   |
| LAMS MAJOR COURSE: SCIENCE COURSE | 3-5   |
| AVC GE Area 3: Arts & Humanities  | 3     |
| GENERAL ELECTIVE                  | 3     |
| Total Units                       | 15    |

### SEMESTER 4

| Course                                      | Units |
|---------------------------------------------|-------|
| AVC GE Area 6: Ethnic Studies               | 3     |
| AVC GE AREA 4: Social & Behavioral Sciences | 3     |
| GENERAL ELECTIVE                            | 3     |
| GENERAL ELECTIVE                            | 3     |
| GENERAL ELECTIVE                            | 3     |
| Total Units                                 | 15    |
| Total Degree Units                          | 60+   |

### COUNSELING NOTE SECTION

**Prerequisite:** If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade to enroll in the next course. A satisfactory grade is a grade of "A," "B," "C" or "P". Students who enroll in classes for which they do not meet the prerequisites will be involuntarily dropped. Students will be notified of this involuntary drop. Title 5, Section 55200(d)

#### Application for Graduation:

Antelope Valley College awards degrees three times annually following the Fall, Spring, and summer semesters. Students must apply for graduation to earn their degree or certificate. Applications are due by September 6 for spring/summer graduates and by February 14 for fall graduates.

AVC 25-26 CATALOG: [ACADEMIC POLICIES](#)

#### INFORMATION and RESOURCES

Tutoring Assistance  
Transfer Center  
Career Center  
Office of Students with Disabilities  
AVC Student Health Services  
Palmdale Center  
Basic Needs  
Financial Aid  
Counseling Division

The State requires ALL STUDENTS to have a Comprehensive Education Plan. You MUST make a counseling appointment as soon as enrollment is established to receive your plan. Stop by the Counseling Center or call 661-722-6300 x 6338 to schedule an appointment.

8/12/25, rev. 10/26/25 (Angie Gonzalez)

| 2025-2026 AVC General Education Requirements                                                               |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                                                                                |  |
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| Advising Form Effective Fall 2025 - Summer 2026                                                            |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                                                                                |  |
| GE AREA                                                                                                    | COMPLETED | IN PROGRESS | NEED | The requirements for an AA or AS degree include the following:<br>1. A minimum of 60 semester units; with at least 12 semester units completed in residence at AVC for an AA/AS degree (credit earned by examination will not be included in these 12 units); maximum of 12 pass/no-pass credit units can be accepted towards an AA/AS degree.<br>2. Refer to each individual program for major requirements. All major courses as specified in the AVC catalog and <b>AVC Area 1A must be completed with a grade of "C" or better.</b><br>3. An overall grade point average (GPA) of 2.0 ("C" average) is required.<br><b>Double counting:</b> While a course may satisfy more than one general education requirement, it may not be counted more than once for these purposes. A course may be used to satisfy both a general education requirement and a major or area of emphasis requirement.<br><b>Prerequisite:</b> If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade in order to enroll in the next course. A satisfactory grade is a grade of "A," "B," "C" or "P". Students who enroll in classes for which they do not meet the prerequisites will be involuntarily dropped. Students will be notified of this involuntary drop. <i>Title 5, Section 55200(d)</i><br><b>Complete at least 3 semester units from each of the following areas below: 1A, 1B, 2, 3, 4, 5, and 6.</b><br><b>Minimum Total GE Units Required 21 semester units or 28-31.5 quarter units.</b> |  |  |  |                                                                                                                |  |
|                                                                                                            |           |             |      | <b>AREA 1: ENGLISH COMPOSITION, ORAL COMMUNICATION, AND CRITICAL THINKING</b><br>2 courses required, one from Area A and one from Area B, 6 semester or 8 quarter units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                                                                                                                |  |
|                                                                                                            |           |             |      | 1A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  | Area 1A: English Composition: ENGL C1000, ENGL C1000H                                                          |  |
|                                                                                                            |           |             |      | 1B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  | Area 1B: Oral Communication and Critical Thinking: COMM C1000, C1000H; ENGL C1001, C1001H, 102, 102H; PHIL 201 |  |
| <b>AREA 2: Mathematical Concepts and Quantitative Reasoning</b><br>1 course, 3 semester or 4 quarter units |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                                                                                |  |
| 2                                                                                                          |           |             |      | MATH 103, 110, 116, 124, 128, 140, 148, 150, 150H, 160, 220, 230, 250; STAT C1000, C1000H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |                                                                                                                |  |
| <b>AREA 3: ARTS AND HUMANITIES</b><br>1 courses, 3 semester units or 4 quarter units                       |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                                                                                |  |
| 3                                                                                                          |           |             |      | ART 100, 101, 101H, 102, 102H, 103, 104, 106, 113, 132, 135, 137, 140, 145, 163, 170, 213; CHIN 101, 102, 201, 202; DFST 101, 102, 201, 202; COMM 112, 114, 217, 219; DA 101, 113; ENGL 102, 102H, 114, 221, 222, 225, 227, 230, 231, 235, 242, 253, 253H, 256, 257, 259, 265, 279; FREN 101, 102, 201, 202, 203; FTV 101, 107, 108, 201, 203, 251; GER 101, 102, 201, 202; HIST 104, 105, 107, 107H, 108, 108H, 110, 110H, 111, 111H, 113, 115, 119; LATN 101, 102, 201; MUS 101, 101H, 105, 106, 110, 111, 120, 151; MUSC 102, 103, 107, 108, 109; PHIL 105, 105H, 106, 108, 109, 130, 140; NF 150; PHOT 107; PHTC 101, 150, 201; SPAN 101, 102, 110SS, 201, 202, 203, 210SS, 220SS; THA 101, 101H, 102, 103, 104, 106, 110, 111, 225, 239, 239H, 240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                                                                                                                |  |
| <b>AREA 4: SOCIAL AND BEHAVIORAL SCIENCE</b><br>1 course, 3 semester units or 4 quarter units              |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                                                                                |  |
| 4                                                                                                          |           |             |      | AJ 206; ANTH 102, 103, 110, 112, 112H, 140; BUS 212; CFE 102, 103; DFST 105, 106, 110; ECON 100, 101, 101H, 102, 102H, 110; GEOG 105, 106, 110; HIST 104, 105, 107, 107H, 108, 108H, 110, 110H, 111, 111H, 113, 114, 116, 118, 119; POLS C1000, C1000H, 103, 200, 201, 202, 203; PSY 200, 201, 212, 230, 232, 233, 234, 235, 236; PSYC C1000, C1000H; SOC 101, 101H, 105, 110, 111, 112, 115, 116, 120, 200;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                                                                                                                |  |
| <b>AREA 5: NATURAL SCIENCES</b><br>1 course, 3 semester units or 4 quarter units                           |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                                                                                |  |
| 5                                                                                                          |           |             |      | ANTH 101, 101H; ASTR 101, 101H; BIOL 100, 101#, 102, 103, 104, 104H, 110, 120, 201, 202, 204, 205; CHEM 101, 102, 110, 120, 210, 220; ELTE 101; ERSC 101; GEOG 101, 102; GEOL 101, 102; PHYS 101, 102, 110, 120, 211; PSCI 101<br>#Students must register for the required lab component (BIOL 101L) separately.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                                                                                                                |  |
| <b>AREA 6: ETHNIC STUDIES</b><br>1 course, 3 semester units or 4 quarter units                             |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |                                                                                                                |  |
| 6                                                                                                          |           |             |      | ETHN 101, 102, 110, 111, 112, 113, ENGL 257 or ETHN 257EN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |                                                                                                                |  |