

Oxnard College A.A. in General Studies with an emphasis in STEM Fundamentals 2025-2026



Student's Name _____ Date: _____ Counselor: _____ Student ID: _____ Catalog Year: _____

The Associate in Arts in General Studies with an emphasis in STEM Fundamentals is a local degree intended for students who are exploring STEM majors and professions. This area of emphasis allows students to sample various STEM fields by taking introductory mathematics, science, engineering, or computer science courses to help them choose a specific major for which there is a local Associate in Science (A.S.) degree, an Associate Degree for Transfer (ADT), or University of California Transfer Pathways (UCTP) degree. In addition, this degree can also be used by students to prepare for transfer in majors at CSU, UC, or independent universities where an AS, ADT, or UCTP is not available or not aligned with the preparation required. Please attach either an **Oxnard College GE list** or **Cal-GETC** checklist as appropriate for the student's educational goals.

Intended Transfer Institution (if applicable): _____ **Intended Major after Transfer (if applicable):** _____

				Completed	Units	IP	Need
1. Complete Oxnard College General Education Requirements to include areas 1-7 or Cal-GETC* (attach separate checklists)							
2. Complete a minimum of 5 courses in the STEM Fundamentals area of emphasis to include a minimum of 18 units . Each course in the area of emphasis must be completed with a grade of C or better (or a "P").							
3. Complete a minimum of 60 degree-applicable units. Students intending to transfer will need to complete 60 CSU or UC transferable units.							
4. Complete requirements in scholarship (2.0 minimum cumulative degree-applicable GPA)							
5. Complete a minimum of 12 semester units in residence within the Ventura County Community College District.							
☐ STEM Fundamentals emphasis: Complete a minimum of 5 courses (a minimum of 18 semester units) from the courses listed below. Units are listed after each course.				Courses/ AP/other	Units	Grade or IP	Need
ANAT R101 General Human Anatomy (4) ANTH R101 Intro. to Biological Anthropology (3) ANTH R101L Intro to Biological Anthro Lab (1) ANTH R101H Honors: Intro. to Biological Anthropology (3) ANTH R118 Intro. to Forensic Science (3) AST R101 Introduction to Astronomy (3) AST R101L Astronomy Lab (1) BIOL R100 Marine Biology (3) BIOL R100L Marine Biology Lab (1) BIOL R101 General Biology (3) BIOL R101H Honors: General Biology (3) BIOL R101L General Biology Lab (1) BIOL R120 Principles of Biology I (4) BIOL R120L Principles of Biology I Lab (1) BIOL R122/L Principles of Biology II (4) BIOL R122L Principles of Biology II Lab (1) BIOL R155 Principles of Botany BIOL R155L Principles of Botany Lab BIOL R170 Biological Marine Resource Mgmt (1) CHEM R104 General, Organic, & Biological Chemistry (5)	CHEM R110 Elementary Chemistry (5) CHEM R112 Elementary Organic & Biological Chemistry (5) CHEM R120 General Chemistry I (5) CHEM R122 General Chemistry II (5) CHEM R130 Organic Chemistry I (5) CHEM R132 Organic Chemistry II (5) CNIT R101 IT Essentials (3) CNIT R161 Programming Essentials in Python (3) CNIT R170 Introduction to Artificial Intelligence (3) CS R131 Programming Concepts & Methodology I (3) ENGR R101 Intro. to Engineering (2) ESRM R100 Intro. to Environmental Science (3) ESRM R100L Intro. to Environmental Science Lab (1) GEOG R101 Elements of Physical Geography (3) GEOG R101L Elements of Physical Geography Lab (1)	GEOG R103 Introduction to Weather and Climate (3) GEOL R101 Physical Geology (3) GEOL R101L Physical Geology Lab (1) GEOL R103 Intro. to Oceanography (3) GEOL R103L Oceanography Lab (1) GEOL R114 Historical Geology (3) GEOL R114L Historical Geology Lab (1) GEOL R121 Earth Science with Lab (4) GEOL R130 Environmental Geology (3) MATH R115 College Algebra (4) MATH R116 College Trigonometry (3) MATH R117 Precalculus & Trigonometry (6) MATH R120 Calculus w/Analytic Geometry I (5) MATH R121 Calculus w/Analytic Geometry II (5) MICR R100 Principles of Microbiology (3) MICR R100L Principles of Microbiology Lab (2) MST R100 Marine Biology (3) MST R100L Marine Biology Lab (1) MST R103 Intro. to Oceanography (3) MST R103L Oceanography Lab (1)	MST R170 Biological Marine Resource Mgmt (1) PHSC R170 Concepts in Physical Science PHSO R101 Human Physiology (5) PHYS R101 College Physics 1 (4) PHYS R101L College Physics 1 Lab (1) PHYS R102 College Physics 2 (4) PHYS R102L College Physics 2 Lab (1) PHYS R121 Physics with Calculus 1 (5) PHYS R122 Physics with Calculus 2 (5) PHYS R131 Physics for Scientists & Engineers I (5) PHYS R132 Physics for Scientists & Engineers 2 (5) PHYS R133 Physics for Scientists & Engineers 3 (5) PSY R105 Introduction to Physiological Psychology (3) STAT C1000 Introduction to Statistics (4) STAT C1000H Introduction to Statistics – Honors (4)				