

ASSOCIATE IN SCIENCE GENERAL EDUCATION 2020-2021: OPTION 1 (ORANGE COAST COLLEGE GENERAL EDUCATION)

Orange Coast College grants the degree of Associate in Science. Below are general education requirements for the AS degree.

For additional information regarding earning an Associate in Science Degree, please see the Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/>) section of this catalog. Only one Associate in Science degree will be awarded to a student by OCC.

Complete a minimum of 18 units distributed among the following. One course may not be used to meet two separate requirements.

Course	Title	Units
Area A: English Communication		
Students will be able to read, write, listen, and speak competently while demonstrating critical/analytical thinking skills. Six semester units (or eight quarter units) to include one course from A1 and one course from A2.		
<i>A1 English Composition</i>		
ENGL A100	Freshman Composition ¹	3
ESL A100	ESL College Composition ¹	3
<i>A2 Communication and Analytical Thinking</i>		
BUS A139	Business Communication	3
CMST A100	Interpersonal Communication	3
CMST A110	Public Speaking	3
CMST A220	Essentials of Argumentation	3
CMST A240	Media Literacy	3
ENGL A101	Critical Reasoning: Fiction	4
or ENGL A101H	Critical Reasoning: Fiction Honors	
ENGL A102	Critical Reasoning: Nonfiction	3
or ENGL A102H	Critical Reasoning: Nonfiction Honors	
ENGL A109	Critical Reasoning and Writing for Science and Technology	3
MATH A100	Liberal Arts Mathematics	3
MATH A103	Statistics for Elementary Teachers	3
MATH A104	Mathematics for Elementary Teachers	3
MATH A115	College Algebra	4
MATH A120	Trigonometry	3
MATH A140	Business Calculus	4
MATH A155	Finite Mathematics with Applications	4
MATH A160	Introduction to Statistics	4
MATH A170	Precalculus	4
MATH A180	Calculus 1	4
or MATH A180H	Calculus 1 Honors	
MATH A182H	Calculus 1 and 2 Honors	5
MATH A185	Calculus 2	4

Course	Title	Units
or MATH A185H	Calculus 2 Honors	
MATH A230	Introduction to Discrete Mathematics	5
MATH A235	Applied Linear Algebra	3
MATH A280	Calculus 3	4
or MATH A280H	Calculus 3 Honors	
MATH A285	Introduction to Linear Algebra and Differential Equations	4
or MATH A285H	Introduction to Linear Algebra and Differential Equations Honors	
MATH A290H	Introduction to Tensors and Calculus on Manifolds Honors	5
PHIL A150	Critical Reasoning & Writing	3
PHIL A155	Introduction to Logic	3
PHIL/MATH A220	Introduction to Symbolic Logic	3
PSYC A160	Statistics for the Behavioral Sciences	4
PSYC A270	Psychology of Learning	3

Area B: Physical and Biological Sciences

Students will apply critical thinking skills concerning the causes and effects of natural phenomena and will become familiar with the rational approach that researchers use to analyze data and formulate logical conclusions. Three semester units (or four quarter units).

ANTH A185	Physical Anthropology	3
or ANTH A185H	Physical Anthropology Honors	
ASTR A100	Introduction to Astronomy	3
or ASTR A100H	Introduction to Astronomy Honors	
ASTR A101	Planetary Astronomy	3
ASTR A102	Stellar Astronomy	3
ASTR A103	Cosmology	3
ASTR A200	Introduction to Astrophysics	4
BIOL A100	Introduction to Biology	4
or BIOL A100H	Introduction to Biology Honors	
BIOL A101	The Biology of Cooking	4
BIOL A115	Introduction to the Biology of Animals	3
BIOL A125	Human Biology	3
BIOL A180	Introduction to Biology for Majors 1: Cell and Molecular Biology	4
BIOL A182	Zoology	3
or BIOL A182H	Zoology Honors	
BIOL A183	Botany	3
BIOL A185	Introduction to Biology for Majors 2: Ecology, Evolution, Diversity, and Physiology	5
BIOL A210	General Microbiology	5
BIOL A220	Human Anatomy	5
BIOL A221	Anatomy-Physiology	4
BIOL A225	Human Physiology	5
BIOL A283	Genetics	4
CHEM A100	Principles of Chemistry	3
CHEM A110	Introduction to Chemistry	5
CHEM A130	Preparation for General Chemistry	4
CHEM A180	General Chemistry A	5
CHEM A185	General Chemistry B	5

Course	Title	Units	Course	Title	Units
CHEM A220	Organic Chemistry A	3	ART A103	Survey of Asian Art	3
CHEM A225	Organic Chemistry B	3	ART A107	Introduction To Art	3
ESEC A100	Introduction to Environmental Science	3	ART A108	Women in Art	3
or ESEC A100H	Introduction to Environmental Science Honors		ART A109	Ancient Greek Art and Architecture	3
ENGR A110	Introduction to Engineering and Design	3	or ART A109H	Ancient Greek Art and Architecture Honors	
FN A195	Food Science	4	ART A110	Color and Design: Two-Dimensional	3
GEOG A130	Introduction to Weather & Climate	3	ART A114	Art of the Ancient Americas	3
GEOG A180	Physical Geography	3	ART A115	Art of Africa, Oceania, and Indigenous North America	3
or GEOG A180H	Physical Geography Honors		ART A120	Beginning Drawing	3
GEOL A105	General Geology	3	or ART A120H	Beginning Drawing Honors	
or GEOL A105H	General Geology Honors		ART A125	Perspective Drawing	3
GEOL A106	Earth Science for Teachers	4	ART A141	Sculpture 1	3
GEOL A160	Environmental Geology	4	ART A142	Life Sculpture 1	3
GEOL A110	Physical Geology	4	ART A145	Exhibition Design 1	3
GEOL A185	Evolution of the Earth	3	ART A147	Jewelry 1	3
or GEOL A185H	Evolution of the Earth Honors		ART A150	Ceramics 1	3
HORT A100	Horticulture Science	3	ART A263	Watercolor 1	3
MRSC A100	Oceanography	3	ART A269	Cartooning 1	3
or MRSC A100H	Oceanography Honors		DANC A101	Modern Dance 1	0.5-2
MRSC A180	Marine Biology	3	DANC A102	Modern 2	0.5-2
MRSC A185	Coastal Oceanography	3	DANC A106	Strength and Stretch	1-2
MRSC A187	Marine Mammals	3	DANC A107	Conditioning for Dance	0.5-2
PHYS A110	Conceptual Physics	3	DANC A108	Pilates Mat Work	1-2
PHYS A120	Algebra Based Physics: Mechanics	4	DANC A110	Ballet 1	0.5-2
PHYS A130	University Physics 1 (non-majors)	4	DANC A115	Yoga For Dancers	0.5-2
PHYS A185	Calculus Based Physics: Mechanics	4	DANC A116	Latin Dance Styles I	0.5-2
or PHYS A185H	Calculus-Based Physics: Mechanics Honors		DANC A117	American Social Dance Styles	0.5-2
PHYS A280	Calculus Based Physics: Electricity/ Magnetism	4	DANC A118	Movement for Longevity	1-2
PHYS A285	Calculus Based Physics: Modern	4	DANC A120	Jazz Dance 1	0.5-2
PSYC A250	Psychobiology	3	DANC A125	Tap 1	0.5-2
Area C: Arts and Humanities			DANC A130	Mid-Eastern Dance 1	0.5-2
Students will develop skill sets associated with the arts and humanities by analyzing aesthetic qualities, evaluating and developing rational arguments, identifying cultural and historical influences, and engaging in artistic expression. Six semester units (or eight quarter units) to include at least one course from C1 and one course from C2.			DANC A133	Intro To World Dance	0.5-2
C1 Arts			DANC A135	Flamenco Dance 1	0.5-2
ARCH A290	History of Architecture 1	3	DANC A137	Classical Danc of India	0.5-2
or ARCH A290H	History of Architecture 1 Honors		DANC A138	African Dance and Drumming I	0.5-2
ARCH A296	History of Architecture 2	3	DANC A139	Gyrokinesis	0.5-2
or ARCH A296H	History of Architecture 2 Honors		DANC A142	Folk Dance	0.5-2
ART A100	Survey of Western Art from Prehistory Through Gothic	3	DANC A143	Jazz Dance III	2
or ART A100H	Honors Survey of Western Art from Prehistory Through Gothic		DANC A144	Ballet III	2
ART A101	Survey of Western Art from Renaissance to Modern	3	DANC A145	Modern Dance III	2
or ART A101H	Honors Survey of Western Art from Renaissance to Modern		DANC A146	Tap III	1
ART A102	Survey of Modern and Contemporary Art History	3	DANC A147	Flamenco Dance 2	0.5-2
			DANC A148	Mid-Eastern Dance 2	0.5-2
			DANC A149	Hip-Hop Dance I	0.5-2
			DANC A150	Dance Improvisation I	1
			DANC A152	Pilates Apparatus & Mat Work Level 1	1-2
			DANC A160	Dance Composition/Choreography I	3
			DANC A170	Music for Dancers	2
			DANC A200	Appreciation Of Dance	3
			DANC A211	Repertoire I	1-4

Course	Title	Units	Course	Title	Units
DANC A230	World Dance and Culture	3	or ENGL A147H	Introduction to Science Fiction Honors	
DMAD A151	History of Graphic Design	3	ENGL A148	Film As Literature	3
DMAD A181	Introduction to Computer Graphics	3	or ENGL A148H	Film As Literature Honors	
FASH A175	Applied Color and Design Theory	3	ENGL A150	American Literature Before the 20th Century	3
FILM A100	History and Appreciation of the Cinema	3	or ENGL A150H	American Literature Before the 20th Century Honors	
FILM A107	History of Video Games	3	ENGL A151	American Literature in the 20th Century	3
FILM A109	Science Fiction Film	3	or ENGL A151H	American Literature in the 20th Century Honors	
or FILM A109H	Science Fiction Film Honors		ENGL A152	Race, Culture, and Identity in Literature	3
FILM A110	Film Production 1	3	or ENGL A152H	Race, Culture, and Identify in Literature Honors	
FILM A150	History of Radio & Television	3	ENGL A156	California Literature	3
HUM A100	Introduction to the Humanities	3	or ENGL A156H	California Literature Honors	
ID A180	History of Interior Architecture and Furnishings 1	3	ENGL A160	World Literature Through Renaissance	3
ID A190	Hist Arch/Furnishings 2	3	or ENGL A160H	World Literature Through Renaissance Honors	
MUS A100	History and Appreciation of Western Classical Music	3	ENGL A161	World Literature Since Renaissance	3
MUS A105	Music from Bach Up to Rock	3	or ENGL A161H	World Literature Since Renaissance Honors	
MUS A115	Fundamentals of Music	3	ENGL A168	Popular Fiction	3
MUS A116	Basic Guitar	2	ENGL A170	Contemporary Literature	3
MUS A140	Beginning Instruments	2	or ENGL A170H	Contemporary Literature Honors	
MUS A139	History of Rock Music	3	ENGL A172	Unique Topics in Literature	3
MUS A143	History of Jazz	3	ENGL A173	Women Writers	3
MUS A180	Theory 1	3	or ENGL A173H	Women Writers Honors	
PHOT A101	Photography and Society	3	ENGL A176	World Mythology	3
PHOT A120	Introduction to Photography	3	or ENGL A176H	World Mythology Honors	
or PHOT A120H	Introduction to Photography Honors		ENGL A179	Gender and Sexuality in Literature and Film	3
PHOT A123	Introduction to Digital Photography	3	ENGL A181	Shakespeare	3
PHOT A130	History and Aesthetics of Still Photography	3	or ENGL A181H	Shakespeare Honors	
THEA A100	Introduction to Theatre	3	ENGL A187	Introduction to Literary Theory	3
THEA A101	Introduction to History and Literature of the Theatre	3	or ENGL A187H	Introduction to Literary Theory Honors	
THEA A105	Drama And Acting	3	ENGL A270	Survey of British Literature Before 1800	3
THEA A106	Acting Fundamentals	3	or ENGL A270H	Survey of British Literature Before 1800 Honors	
THEA A110	Theatre Laboratory Level 1	2	ENGL A275	Survey of British Literature After 1800	3
THEA A170	Stage Crew Activity	1	or ENGL A275H	Survey of British Literature After 1800 Honors	
<i>C2 Humanities</i>			ETHS A100	Contemporary Ethnic America	3
ANTH A190	Introduction to Linguistic Anthropology	3	ETHS A150	Ethnic Groups in the U.S.: Their Histories	3
CMST A110	Public Speaking	3	Foreign Language - Any course numbered A160 - A285H		
CMST A120	Reader's Theater and Oral Interpretation	3	GNDR A187	Women in History	3
CMST A150	Forensics Workshop	1-4	HIST A101	Afro-American History	3
CMST A155	Intercultural Communications	3	HIST A141	History of the Americas 1	3
CMST A180	Introduction to Mass Communications	3	HIST A142	History of the Americas 2	3
ENGL A101	Critical Reasoning: Fiction	4	HIST A145	History of Mexico	3
or ENGL A101H	Critical Reasoning: Fiction Honors		HIST A150	Ethnic Groups of the United States: Their Histories	3
ENGL A102	Critical Reasoning: Nonfiction	3	HIST A151	History of the Middle East to 1500	3
or ENGL A102H	Critical Reasoning: Nonfiction Honors		HIST A152	History of the Middle East Since 1500	3
ENGL A119	Introduction to Creative Writing	3	HIST A161	World History 1	3
ENGL A141	The Bible As Literature	3	or HIST A161H	World History 1 Honors	
or ENGL A141H	The Bible As Literature Honors		HIST A162	World History 2	3
ENGL A143	Children's Literature	3	or HIST A162H	World History 2 Honors	
or ENGL A143H	Children's Literature Honors		HIST A170	History of the United States to 1876	3
ENGL A147	Introduction to Science Fiction	3	or HIST A170H	History of the United States to 1876 Honors	

Course	Title	Units	Course	Title	Units
HIST A175	History of the United States Since 1876	3	or ECON A170H	Microeconomics Honors	
or HIST A175H	History of the United States Since 1876 Honors		ECON A175	Macroeconomics	3
HIST A176	Women In U.S. History	3	or ECON A175H	Macroeconomics Honors	
HIST A180	Western Civilization 1	3	ETHS A100	Contemporary Ethnic America	3
or HIST A180H	Western Civilization 1 Honors		ETHS A150	Ethnic Groups in the U.S.: Their Histories	3
HIST A185	Western Civilization 2	3	ETHS A190	The Ethnic Family ²	3
or HIST A185H	Western Civilization 2 Honors		FASH A170	Clothing Design and Selection	3
HIST A187	Women in History	3	GNDR A100	Introduction to Gender Studies	3
HIST A195	History of England and Greater Britain	3	GNDR A130	Women, Politics, and Inequality	3
HUM A100	Introduction to the Humanities	3	GNDR A165	Men, Women, and Communication	3
MATH A220	Introduction to Symbolic Logic	3	GNDR A187	Women in History	3
PHIL A100	Introduction to Philosophy	3	GEOG A100	World Regional Geography	3
PHIL A115	Philosophy of Religion	3	or GEOG A100H	World Regional Geography Honors	
PHIL A118	Aesthetics/Philosophy of Art	3	GEOG A150	California Geography	3
PHIL A120	Ethics	3	GEOG A185	Cultural Geography	3
PHIL A125	History of Ancient Philosophy	3	GLST A101	Introduction to Global Studies	3
PHIL A165	The Theory of Knowledge	3	GLST A102	Introduction to Global Issues	3
PHIL A185	Contemporary Philosophy	3	HLED A122	Drugs, Health and Society	3
PHIL A220	Introduction to Symbolic Logic	3	HIST A101	Afro-American History	3
PSYC A105	Psychology of Women	3	HIST A141	History of the Americas 1	3
PSYC A255	Abnormal Psychology	3	HIST A142	History of the Americas 2	3
RLST A100	Introduction to Religious Studies	3	HIST A145	History of Mexico	3
RLST A110	World Religion	3	HIST A150	Ethnic Groups of the United States: Their Histories	3
RLST A115	Philosophy of Religion	3	HIST A151	History of the Middle East to 1500	3
RLST A130	Life and Times of Jesus	3	HIST A152	History of the Middle East Since 1500	3
RLST A140	History of Judaism	3	HIST A161	World History 1	3
RLST A150	Eastern Thought	3	or HIST A161H	World History 1 Honors	
RLST A180	The Bible as Literature	3	HIST A162	World History 2	3
Area D: Social and Behavioral Sciences			or HIST A162H	World History 2 Honors	
Students will use the theoretical and methodological principles of the social and behavioral sciences to explain and evaluate institutions, groups, and individuals across social, economic, and global contexts of historical periods. Three semester units (or four quarter units).			HIST A170	History of the United States to 1876	3
ANTH A100	Cultural Anthropology	3	or HIST A170H	History of the United States to 1876 Honors	
or ANTH A100H	Cultural Anthropology Honors		HIST A175	History of the United States Since 1876	3
ANTH A102	Native American	3	or HIST A175H	History of the United States Since 1876 Honors	
ANTH A105	Anthropology of Nonverbal Behavior	3	HIST A176	Women In U.S. History	3
ANTH A187	Introduction to Primate Studies	3	HIST A180	Western Civilization 1	3
ANTH A190	Introduction to Linguistic Anthropology	3	or HIST A180H	Western Civilization 1 Honors	
ANTH A280	Introduction to Archaeology	3	HIST A185	Western Civilization 2	3
ANTH A285	World Ethnology	3	or HIST A185H	Western Civilization 2 Honors	
CMST A155	Intercultural Communications	3	HIST A187	Women in History	3
CMST A165	Men, Women, and Communication	3	HIST A195	History of England and Greater Britain	3
COUN A107	Chicana/o & Latina/o Experience and Success in Higher Education	3	HIST A198	The World at War	3
or COUN A107H	Chicana/o & Latina/o Experience and Success in Higher Education Honors		HMDV A180	Child Growth and Development	3
EC A126	Teaching in a Diverse Society	3	HMDV A190	Family, School, and Community Partnerships	3
ECON A100	Economics: General Concepts	3	PSCI A101	Survey of Current Issues	3
ECON A110	Consumer Economics	3	PSCI A110	International Relations	3
ECON A170	Microeconomics	3	PSCI A180	American Government	3
			PSCI A180H	American Government Honors	3
			PSCI A185	Comparative Politics	3
			PSCI A188	Introduction to Political Theory	3

Course	Title	Units
PSCI A190	Introduction to American Legal System	3
PSCI A200	Introduction to Political Science	3
PSYC A100	Introduction to Psychology	3
or PSYC A100H	Introduction to Psychology Honors	
PSYC A105	Psychology of Women	3
PSYC A130	Life Span Developmental Psychology	3
PSYC A165	Principles of Human Sexuality 1	3
PSYC A185	Principles of Psychology	3
PSYC A190	Cross-Cultural Psychology	3
or PSYC A190H	Cross-Cultural Psychology Honors	
PSYC A220	Psychology of Personality	3
PSYC A260	Social Psychology	3
PSYC A270	Psychology of Learning	3
PUBH A200	Introduction to Public Health	3
PUBH A202	Drugs, Health, and Society	3
SOC A100	Introduction to Sociology	3
or SOC A100H	Introduction to Sociology Honors	
SOC A110	Introduction to Dating, Relationships, and Marriage	3
SOC A150	Introduction to Race and Ethnicity	3
SOC A185	Analysis of Social Problems	3
or SOC A185H	Analysis of Social Problems Honors	
SOC A200	Introduction to Research Methods	3

¹ With a grade of "C" or better.