

LIBERAL ARTS & SCIENCES - MATH & NATURAL SCIENCES, AS

Program code: LASC-AS-SM

Location: Asnuntuck, Capital, Gateway, Housatonic, Manchester, Middlesex, Naugatuck Valley, Northwestern, Norwalk, Quinebaug Valley, Three Rivers, Tunxis

Program Description

The Liberal Arts and Science - Math and Natural Sciences Associate of Science degree program provides students with a broad background that prepares them for transfer to a bachelor's degree program for majors within Math and Natural Sciences and pre-medical degrees. Students will take a wide range of courses with an emphasis on fulfilling general education and pre-requisite courses at four-year colleges and universities. The Associate of Science (A.S.) emphasizes courses in math and natural sciences.

Program Learning Outcomes

1. Communicate clearly and persuasively both in written and oral forms, including in ways that involve and document outside sources.
2. Analyze literary, artistic or philosophical works of world cultures.
3. Analyze changes and developments in history, including their causes and effects.
4. Apply social scientific theories to understand human behavior and world events.
5. Use mathematical tools and technology to create mathematical models.
6. Describe scientific principles and apply them to understand the physical world.
7. Identify the various ways in which diversity exists in our world, such as through analyzing artistic and literary works, historical examples, statistical information, or present-day cases.

Degree Requirements

Code	Title	Credits
General Education Courses		
ENG 1010	Composition (WRIX I)	3
MATH - Choose one of the following:		3-4
MATH 1200	Statistics I	
MATH 1201	Statistics I with Computer Applications	
MATH 1600	College Algebra	
MATH 1610	Precalculus	
MATH 2600	Calculus I	
MATH 2610	Calculus II	
ARHX - Choose One: ARAB, ART, ARTH, ASL, CHNS, COMM, ENG, FREN, GERM, HUM, ITAL, JAPN, KORA, LATN, MUS, PHIL, POLH, RUSN, SPAN, THR ¹		3-4
SBSX - Social and Behavioral Science		3
WRIX II - Choose one of the following:		3
ENG 1020	Composition II and Literature	

ENG 1030	Composition II and Non-fiction Texts	
HISX - Historical Knowledge		3
ORAX - Choose one of the following:		3
COMM 1301	Public Speaking	
COMM 1302	Interpersonal Communication	
CCS 1001	College and Career Success	3
Science Sequence		
Choose one of the following sequences:		8
BIO 1210 & BIO 1220	General Biology I and General Biology II	
BIO 2111 & BIO 2112	Anatomy and Physiology I and Anatomy and Physiology II	
CHEM 1210 & CHEM 1220	General Chemistry I and General Chemistry II	
PHYS 1201 & PHYS 1202	General Physics I and General Physics II	
PHYS 2201 & PHYS 2202	Calculus-Based Physics I and Calculus-Based Physics II	
Program Courses		
Choose one course at the 1000 level or above: ART, ARTH, MUS, or THR ²		3
Choose one SBSX from a different discipline SBSX taken in the General Education		3
Choose one course at the 1000 level or above from the following:		3-4
ANTH 1001	Introduction to Anthropology	
ANTH 1005	Introduction to Cultural Anthropology	
ANTH 1303	Peoples of the World	
ANTH 1016 - Introduction to Japanese Culture		
ANTH 1306	Music Cultures of the World	
ANTH 1402	Navajo Indians	
ANTH 1405 - Pueblo Indians		
ANTH 2400 - Native Cultures of the Americas		
ARAB		
ARCH 1002	Architecture of the World	
ARTH 1001	Global Art History Prehistory to 1500 CE	
ARTH 1002	Global Art History 1500 CE to present	
ARTH 1003	Global Modern Art History 1850 to Present	
ARTH 1005	History of Art in the United States, c. 1500 – 1960	
ARTH 1007	Caribbean Art and Culture	
ARTH 1008	Black Art History	
ARTH 1013	Architecture of the World	
ASL		
CHNS		
COMM 1305	Intercultural Communication	
DANC 1001	History and Appreciation of World Dance	
DANC 1011	Jazz I: Afro-American/Caribbean	

DANC 1031 - Contemporary African Dance	
DANC 1115 - Dance as Cultural Expression	
ENG 2300	Studies in World Literature
ENG 2340	World Literature II
ENG 2680	African American Literature
ENG 2700	Studies in Ethnic Literature
ENG 2711	Contemporary Latin American Literature
ENG 2712	Literature of the Caribbean
ENG 2803	Women Writers Across Cultures
ENG 2850	LGBTQ+ Literature
ESOL 1402	Integrated Skills IV: Low Advanced
ESOL 1502	Integrated Skills V: High Advanced
FREN	
GEOG 1000	Introduction to Geography
GEOG 1010	World Regional Geography
GERM	
HIST 1021	World History to the 1400s
HIST 1022	World History since 1500s
HIST 1047	History of Immigrant Experience in the U.S.
HIST 2017	African American History from 1877
HIST 2024	The American Indian
HIST 2072 - Modern China	
HIST 2080 - Modern Africa	
HIST 2084	South Africa
HUM 1019	Short-term Study Abroad
HUM 1071 - The Black Experience	
HUM 1078 - Indigenous People: Art, Film, and Literature	
INDS 2025	Contemporary Global Issues
ITAL	
JAPN	
LAS 1201	Introduction to Latino Studies
LATN	
MUS 1004	World Music
MUS 1007	Today's Music
MUS 1008	Today's Music: Gospel, Ragtime, Blues, Jazz
MUS 1009	History and Appreciation of Jazz
PHIL 1501	World Religions
PHIL 1605	Asian Philosophy and Religion
POLH	
POLS 1005	Comparative Politics
POLS 1006	International Relations
PSY 2053	Multicultural Psychology
POLS 1600 - African Politics	
RUSN	
SOC 1003	Social Problems
SOC 2018	World Issues
SOC 2020	Racial and Ethnic Diversity
SOC 2023	The Puerto Rican Experience
SOC 2022 - The African American Experience	
SPAN	

WGS 1005	Introduction to Women's and Gender Studies	
Choose two additional courses in Mathematics, Natural Science, or Computer Science from the following:		6-8
BIO 1210	General Biology I (or above)	
CHEM 1210	General Chemistry I (or above)	
CSC		
CST		
MATH 1600	College Algebra	
MATH 1610	Precalculus	
MATH 2600	Calculus I (or above)	
PHYS 1201	General Physics I (or above)	
Choose one of the following courses in MATH:		3-4
MATH 1600	College Algebra	
MATH 1610	Precalculus	
MATH 2600	Calculus I (or above)	
Choose one of the following: ⁴		3-4
BIO 1210	General Biology I (or above)	
CHEM 1210	General Chemistry I (or above)	
PHYS 1201	General Physics I (or above)	
Choose 9 credits of open electives at the 1000 level or above except ESOL and AUTO (which may be applied with permission of the Liberal Arts and Science Program Coordinator or Department Chair.) Consider the foreign language requirements of your transfer institution.		9

Total Credits **62-69**

- ¹ Or ESOL 1402 Integrated Skills IV: Low Advanced or ESOL 1502 Integrated Skills V: High Advanced
- ² Or COMM 1201 Film Study and Appreciation or COMM 2202 Film History
- ³ Consider the foreign language requirements of your transfer institution. Seek advising.
- ⁴ Or, with permission of Liberal Arts Program or Department Coordinator - ASTR, EARTH, OCEN, ENV, GEOL.

- Liberal Arts & Sciences - Arts and Humanities, AA
- Liberal Arts & Sciences - Social and Behavioral Sciences, AA