

Associate in Arts - Direct Transfer Agreement (AA-DTA)**Earth Sciences Focus**

Knowledge about the planet we inhabit, the surrounding universe and the natural forces that impact our world adds value to our daily lives and provides the basis for interesting careers in a broad range of disciplines: astronomy, geology, meteorology and oceanography. Begin studies for an advanced degree leading to positions with government agencies or private industry as an independent consultant, teacher, or researcher.

Degree Requirements

- **Communications:**
15 credits - ENGL& 101 English Composition I AND ENGL& 102 Composition II AND CMST& 220 (was SPCH 110) Public Speaking OR CMST& 230 (was SPCH 114) Small Group Communication
- **Quantitative/Symbolic Reasoning Skills:**
5 credits – MATH& 107 or higher with the exception of MATH& 131.
- **Humanities:**
15 credits – Selected from at least two disciplines on the Distribution List. No more than 5 credits in foreign language at the 100 level, no more than 10 credits from any one discipline. No more than 5 credits in performance/skills courses are allowed. Drawing or photography recommended.
- **Social Sciences:**
15 credits – Selected from at least two disciplines on the Distribution List. No more than 10 credits from any one discipline.
- **Natural Sciences:**
15 credits – Selected from at least two disciplines on the Distribution List; must include 5 credits of lab courses. At least 10 credits in physical, biological and/or earth sciences. No more than 5 credits from Computer Science, Mathematics, and Engineering. Courses used to satisfy this requirement may not be used to satisfy the Quantitative Skills requirement. ANTH& 205, BIOL& 100 and 5 additional credits from physical and/or earth science are recommended. BIOL& 100 meets the laboratory requirement.
- **Diversity:**
5 credits – From the Diversity Course List. Courses that meet this requirement may also be used toward other graduation requirements. Diversity courses are listed in the quarterly schedule and identified by 'DIV' attached to the course title. Example: SPAN& 121 – Intro to Spanish I:DIV.
- **Electives:**
25 credits - See advisor for approved list of electives. No more than 15 credits may be taken from the Restricted Course List.

Recommended Natural Sciences and/or Electives

ASTR& 101	Intro to Astronomy	5
BIOL 130	Biodiversity of Pacific Northwest	5
CHEM& 161*	General Chemistry w/Lab I	5
CHEM& 162*	General Chemistry w/Lab II	5
CHEM& 163*	General Chemistry w/Lab III	5
ERSI 104	Introduction to Earth Sciences	5
GEOL& 101	Intro to Physical Geology	5
GEOL 118	Historical Geology	5
OCEA& 101	Intro to Oceanography	5

Diversity and Distribution Lists are available in the Lower Columbia College Academic Catalog and at lowercolumbia.edu/catalog.

Total transferable credits required to earn this degree: 90 in courses numbered 100 or above with a cumulative grade point average (GPA) of at least 2.0. A course cannot be credited toward more than one distribution or skill area.

*It is recommended that sequence courses be completed at one institution.

MATH& 141 and 142 are highly recommended.

Students completing this program should acquire the following skills and abilities:

AA DTA Outcomes

Upon the completion of the AA DTA, students will be prepared for transfer to a four-year institution for the student's intended career pathway, and have the following skills and abilities:

Global Skills (assessed at degree level):

- Communication: Express ideas and information in writing and speaking in a manner that is clear and appropriate to the audience, and read and listen effectively.
- Critical thinking: Apply objective, valid methods of inquiry and problem-solving to draw rational, ethical, and coherent conclusions.
- Interpersonal relations: Interact effectively with individuals and/or within groups.
- Numeracy: Achieve competency with numbers and graphical skills to interpret and communicate quantifiable information, and apply mathematical and statistical skills in practical and abstract contexts.

General education outcomes (assessed at course level):

- Diversity: Examine the causes and expressions of difference, power, and discrimination.
- Humanities: Explore how people process, document, and express their social and cultural experience.
- Social Science: Examine society, behavior, and relationships among individuals within a society.
- Natural Science: Develop familiarity with various aspects of the physical world and scientific explanations of observed phenomena.

Area of study outcomes:

- Interpret and use various kinds of maps, globes, charts, and graphs.
- Apply scientific knowledge and techniques to current environmental issues.
- Describe basic earth processes in an interdisciplinary context.
- Effectively communicate earth sciences concepts.
- Demonstrate familiarity with global and regional geology and geography.

Revised June 2019

Planner

The distribution lists are in the LCC Catalog. If you are online, click on the links below:

Diversity Course List

Distribution List

AA - DTA Unofficial Degree Completion Worksheet

ONLINE – AA - DTA Unofficial Degree Completion Worksheet

This worksheet is for students who are only taking online courses to earn their AA-DTA.

Fall Quarter			Winter Quarter			Spring Quarter			Summer Quarter		
√	Courses	Crs	√	Courses	Crs	√	Courses	Crs	√	Courses	Crs
	ENGL& 101	5		ENGL& 102	5		OCEA& 101	5			
	ERSI 104	5		GEOL& 101	5		CMST& 220	5			

Fall Quarter			Winter Quarter			Spring Quarter			Summer Quarter		
√	Courses	Crs	√	Courses	Crs	√	Courses	Crs	√	Courses	Crs
	MATH& 141	5		MATH& 142	5						
Total:		15	Total:		15	Total:		10	Total:		

Fall Quarter			Winter Quarter			Spring Quarter			Summer Quarter		
√	Courses	Crs	√	Courses	Crs	√	Courses	Crs	√	Courses	Crs
	CHEM& 161	5		ART& 101	5		CHEM& 163	5			
	ELECTIVE/ DIVERSITY	5		CHEM& 162	5		MUSC& 105	5			
	SOCIAL SCIENCE	5		SOCIAL SCIENCE	5		SOCIAL SCIENCE	5			
Total:		15	Total:		15	Total:		15	Total:		

Notes:

Program planning is based on information available at the time of preparation. It is the student's responsibility to meet with their LCC advisor *and* with an advisor at the college to which they plan to transfer for specific requirements. Consult the LCC catalog for LCC graduation requirements.

Most four-year universities require one year of a single foreign language as a graduation requirement.