

Degree & Certificate Requirements

Associate in Science Transfer (AS-T2) in Engineering, Physics, Atmospheric Sciences TRANSFER 2025-2026 Degree Requirements

Communication

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
English - select 5 credits from the following:				
ENGL& 101	English Composition I [C]	5		
ENGL& 102	Composition II [C]	5		
Subtotal		5		

Mathematics

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Mathematics - select 10 credits from the following:				
MATH& 151	Calculus I [M/S] [Q/SR]	5		
MATH& 152	Calculus II [M/S] [Q/SR]	5		
MATH& 153	Calculus III [M/S] [Q/SR]	5		
MATH 243	Linear Algebra [M/S] [Q/SR]	5		
MATH& 254	Calculus IV [M/S] [Q/SR]	5		
MATH 255	Differential Equations [M/S] [Q/SR]	5		
Subtotal		10		

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Humanities and Social & Behavioral Sciences

Select three courses from the list below. Complete at least one course from each of the two groups. Courses must be selected from three different subject areas with a total of 15 credits required. No more than 5 credits in any World Languages.

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Humanities - at least one course must be selected from this group. Courses must be selected from different subjects.				
ART& 100	Art Appreciation [H]	5		
ART 116	Art History Ancient World [H]	5		
ART 117	Art History Medieval-Baroque [H]	5		
ART 118	Art History Modern Times [H]	5		
DRMA& 101	Intro to Theatre [H]	5		
DRMA 215	Survey of Theatre History [H]	5		
ENGL& 111	Intro to Literature [H]	5		
ENGL 140	The Cinema [H]	5		
ENGL 160	Women's Literature [H]	5		
ENGL 180	Multicultural Literature [H]	5		
ENGL 195	Bible As Literature [H]	5		
ENGL 203	Mythology [H]	5		
ENGL 210	Intro to Linguistics [H]	5		
ENGL& 220	Intro to Shakespeare [H]	5		
ENGL& 236	Creative Writing I [H]	5		
ENGL& 237	Creative Writing II [H]	5		
ENGL& 244	American Literature I [H]	5		
ENGL& 245	American Literature II [H]	5		
ENGL& 246	American Literature III [H]	5		
ENGL& 254	World Literature I [H]	5		
ENGL& 255	World Literature II [H]	5		
ENGL& 256	World Literature III [H]	5		
ENGL 257	English Grammar [H]	5		
ENGL 264	English Literature I [H]	5		
ENGL 265	English Literature II [H]	5		
ENGL 266	English Literature III [H]	5		
ENGL 275	The Lord of The Rings [H]	5		
ENGL 280	Lesbian, Gay, Bisexual, Trans, Queer Studies [H]	5		
HIST& 126	World Civilizations I [H]	5		
HIST& 127	World Civilizations II [H]	5		
HIST& 128	World Civilizations III [H]	5		
HIST& 215	Women in U.S. History [H]	5		
HIST& 215 is cross-listed with WS 215. A student may not use equivalent cross-listed courses for the same graduation requirement.				
ICS 120	Survey of Hispanic Culture [H]	5		
ICS 125	Native American Culture [H]	5		
ICS 130	Survey of Asian American Culture [H]	5		
ICS 135	Survey of African American Cultures [H]	5		
ICS 200	Intercultural Leadership [H]	5		
ICS 222	Columbia Basin Cultures [H]	5		
MUSC& 105	Music Appreciation [H]	5		
MUSC 116	History of Jazz [H]	5		
PHIL& 101	Intro to Philosophy [H]	5		
PHIL 106	Introduction to Logic [H]	5		

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Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
PHIL 131	World Religions [H]	5		
PHIL 150	Introduction to Ethics [H]	5		
WS 155	Women's Cultural Heritage [H]	5		
WS 215	Women in U.S. History [H]	5		
WS 215 is cross-listed with HIST& 215. A student may not use equivalent cross-listed courses for the same graduation requirement.				
World Languages numbered 121 and above (excluding conversational classes). All World Languages courses count as a single subject.		5		
Social & Behavioral Sciences - at least one course must be selected from this group. Courses must be selected from different subjects.				
ANTH& 100	Survey of Anthropology [S/B]	5		
ANTH& 204	Archaeology [S/B]	5		
ANTH& 206	Cultural Anthropology [S/B]	5		
ANTH& 234	Religion & Culture [S/B]	5		
BUS& 101	Introduction to Business [S/B]	5		
CJ& 101	Introduction to Criminal Justice [S/B]	5		
CMST& 102	Intro to Mass Media [S/B]	5		
ECON 110	Economic Trends, Issues and Policy [S/B]	5		
ECON& 201	Micro Economics [S/B]	5		
ECON& 202	Macro Economics [S/B]	5		
ECON 291	History of American Economic Development [S/B]	1–5		
GEOG& 200	Human Geography [S/B]	5		
HIST 107	Chicano History [S/B]	5		
HIST 108	History of Immigration In The U.S. [S/B]	5		
HIST 110	History of Modern East Asia [S/B]	5		
HIST 111	Colonial Latin America [S/B]	5		
HIST 112	Modern Latin America [S/B]	5		
HIST 113	Mexico Since Independence [S/B]	5		
HIST 115	Intro to Middle East History & Society [S/B]	5		
HIST 115 is cross-listed with SOC 115. A student may not use equivalent cross-listed courses for the same graduation requirement.				
HIST& 146	U.S. History I [S/B]	5		
HIST& 147	U.S. History II [S/B]	5		
HIST& 148	U.S. History III [S/B]	5		
HIST 212	American Military History from the Colonial Period to the Present [S/B]	5		
ICS 220	Globalization [S/B]	5		
ICS 220 is cross-listed with SOC 220. A student may not use equivalent cross-listed courses for the same graduation requirement.				
ICS 255	Race and Ethnic Relations [S/B]	5		
POLS 104	State and Local Government [S/B]	5		
POLS& 201	Intro Political Theory [S/B]	5		
POLS& 202	United States Government [S/B]	5		
POLS& 203	International Relations [S/B]	5		
POLS& 204	Comparative Government [S/B]	5		
POLS 205	American Political Thought [S/B]	5		
POLS 280	Race and Law in the U.S.[S/B]	5		
PSYC& 100	General Psychology [S/B]	5		
PSYC& 200	Lifespan Psychology [S/B]	5		

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Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
PSYC 201	Social Psychology [S/B]	5		
PSYC 209	Fundamentals of Psychological Research [S/B]	5		
PSYC& 220	Psychological Disorders [S/B]	5		
SOC& 101	Intro to Sociology [S/B]	5		
SOC 110	Gender, Media, & Popular Culture [S/B]	5		
SOC 110 is cross-listed with WS 110. A student may not use equivalent cross-listed courses for the same graduation requirement.				
SOC 115	Intro to Middle East History & Society [S/B]	5		
SOC 115 is cross-listed with HIST 115 A student may not use equivalent cross-listed courses for the same graduation requirement.				
SOC 150	Marriage, Family, and Relationships [S/B]	5		
SOC 160	Gender Studies [S/B]	5		
SOC& 201	Social Problems [S/B]	5		
SOC 220	Globalization [S/B]	5		
SOC 220 is cross-listed with ICS 220. A student may not use equivalent cross-listed courses for the same graduation requirement.				
SOC 221	Sociology of Deviance and Crime [S/B]	5		
SOC 269	Sociology of World Cinema [S/B]	5		
SSCI 290	Social Research Methods [S/B]	4		
and				
SSCI 291	Social Research Methods Lab [S/B]	1		
WS 110	Gender, Media, and Popular Culture [S/B]	5		
WS 110 is cross-listed with SOC 110. A student may not use equivalent cross-listed courses for the same graduation requirement.				
Subtotal		15		

Pre-Major Courses - Science

Any Science based on program requirements or CHEM& 161 for Engineering majors.

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Any Science based on program requirements or CHEM& 161 for Engineering majors.		5-6		
Subtotal		5-6		

Pre-Major Courses - Math

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Select 5 credits from the following:				
MATH& 146	Introduction to Stats [M/S] [Q/SR]	5		
MATH& 153	Calculus III [M/S] [Q/SR]	5		
Subtotal		5		

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Pre-Major Courses - Physics

Sequences of courses should be taken at the same institution.

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Select one series from the following:				
Physics series 1:				
PHYS& 114	General Physics I W/ Lab [M/S]	5		
PHYS& 115	General Physics II W/ Lab [M/S]	5		
PHYS& 116	General Physics III W/ Lab [M/S]	5		
Physics series 2:				
PHYS& 221	Engineering Physics I W/ Lab [M/S]	5		
PHYS& 222	Engineering Physics II W/ Lab [M/S]	5		
PHYS& 223	Engineering Physics III W/ Lab [M/S]	5		
Subtotal		15		

Electives (Program Specific Under Advisement)

The remaining 35 quarter credits should be planned with the help of an advisor based on the requirements of the specific discipline at the baccalaureate institution the student selects to attend. For Engineering disciplines, these credits should include a design component consistent with ABET accreditation standards. **Some baccalaureate programs require physics with calculus. ***A single course cannot count in two areas.

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
		5		
		5		
		5		
		5		
		5		
		5		
		5		
Subtotal		35		
Total Credits Required		90-91		

Graduation Requirements:

Sequences of courses should be completed at one institution. Select courses based on the requirements or the specific discipline at the baccalaureate institution you plan to attend.

The Associate in Science Transfer (AS-T2) degree does NOT guarantee that the student has met the general education requirements at the transfer baccalaureate institution.

- Required minimum 90 credits.
- Required minimum cumulative college-level GPA of 2.0.
- Minimum grade per course 1.0.
- At least one-third of the college-level, degree applicable credits must be taken at CBC.
- Depending on your major, some course choices may be more appropriate than others. Consult with your completion coach or advisor.
- A student may not use equivalent cross-listed courses for the same graduation requirement. Refer to the Cross-Listed Courses section of the catalog for more information, and consult with your completion coach or advisor.

Associate in Science Transfer (AS-T2) in Engineering/Physics/Atmospheric Sciences Information:

For transferring students, 85 of the 90 credits must be fully transferable as defined by the Intercollege Relations Commission (ICRC) guidelines to be honored by four-year institutions in Washington. A maximum of 5 restricted elective credits may be used. Due to the specialized nature of many of the listed courses, students should consult their advisor and the catalog of the four-year institution to which they plan to transfer for specific degree requirements.