

Associate of Science Transfer - Biology (AST)

Associate of Science Transfer degrees (ASTs) represent a streamlined path for students transferring from an Oregon community college to an Oregon university who know which major/bachelor's degree program they want to pursue. In contrast to other statewide transfer tools that prioritize university general education requirements (i.e. AAOT and ASOT), ASTs specify clear course-taking paths necessary for on-track progress towards a specific major/bachelor's degree, with a guarantee of transfer from any Oregon community college to any Oregon public university.

The AST degrees identify the optimal and specific set of community college courses students need to take to transfer efficiently into the major at the university. The successful completion of the AST degree allows students to receive status at the public university, based on the number of academic credits referenced in the transfer agreement, including at least 30 credits of general education satisfied, that is comparable to the status of students with the same number of academic credits in the major course of study who began their postsecondary studies at the public university. The students will not be required to retake a course, as long as the minimum required grades have been earned.

All courses must be passed with a grade of "C-" or better. Students must have earned a cumulative grade point average of 2.0 and meet the residency requirements at the community college awarding the AST.

When students complete an AST degree, the general education courses listed here, for which minimum required grades have been earned, are guaranteed to transfer into general education, degree, or major requirements for a bachelor's degree at any Oregon public university.

Students who want to transfer prior to completing the AST requirements should talk with their community college advisor and an advisor at their target university prior to transfer about how their courses will count towards general education requirements and degree/major requirements.

Students are responsible for informing the admissions counselor or intake advisor at their receiving four-year institution that they are completing an AST. It is important for students to understand that completing the AST in two years and the bachelor's degree in four years requires them to complete a minimum average of 15 credits per quarter (or 45 credits per year).

The guarantees and limitations below describe the minimum requirements to which all participating institutions have agreed. If an institution is not meeting the guarantees described below, a complaint can be filed with the Oregon Transfer Advisory Committee (OTAC).

Program Requirements

Required Courses

Communications

Writing

Students must complete a minimum of eight credits in this general education requirement.

*OSU accepts either WRI 122 or WRI 227, but recommends WRI 227

*WOU and UO accepts WRI 122 or WRI 227, but recommends WRI 122.

- [WRI 121 - English Composition I](#) **4.00 credits**
 - [WRI 121M - English Composition I](#) **5.00 credits**
 - [WRI 122 - English Composition II](#) **4.00 credits**
 - [WRI 122M - English Composition II](#) **5.00 credits**
- or
- [WRI 227 - Technical Communication](#) **4.00 credits**

Computation

Students must complete a minimum of eight credits in this general education requirement.

*Students who test out of MTH 111 should take MTH 112.

*Student who test out of MTH 112 may substitute a recommended elective (see recommended electives listed below).

- [MTH 111 - College Algebra](#) **5.00 credits**
- [MTH 112 - Elementary Functions](#) **4.00 credits**

Arts and Letters

Students must complete a minimum of six credits chosen from the AAOT-approved courses.

- [ART 131 - Intro to Drawing](#) **3.00 credits**
- [ART 211 - Mod Art Hist - 19th Century Art in Europe](#) **3.00 credits**
- [ART 212 - Mod Art Hist - Early 20th Century Art](#) **3.00 credits**
- [ART 213 - Mod Art Hist - Art Since 1945](#) **3.00 credits**
- [ENG 104 - Intro to Literature \(Fiction\)](#) **3.00 credits**
- [ENG 105 - Intro to Literature \(Drama\)](#) **3.00 credits**
- [ENG 106 - Intro to Literature \(Poetry\)](#) **3.00 credits**
- [ENG 201 - Shakespeare's Early and Middle Works](#) **3.00 credits**
- [ENG 202 - Shakespeare's Late Works](#) **3.00 credits**
- [ENG 213 - Latin American Literature](#) **3.00 credits**
- [ENG 240 - Intro to Native American Literature](#) **3.00 credits**
- [ENG 261 - Literature of Science Fiction](#) **3.00 credits**
- [MUS 201 - Intro to Music & Its Literature I](#) **3.00 credits**
- [MUS 206 - History of Rock Music](#) **3.00 credits**
- [MUS 206M - History of Rock Music](#) **5.00 credits**
- [PHL 204 - Philosophy of Religion](#) **3.00 credits**
- [PHL 204M - Philosophy of Religion](#) **5.00 credits**
- [PHL 209 - Business Ethics](#) **3.00 credits**
- [SPA 201 - Second Year Spanish I](#) **4.00 credits**
- [SPA 202 - Second Year Spanish II](#) **4.00 credits**
- [SPA 203 - Second Year Spanish III](#) **4.00 credits**

Social Sciences

Students must complete a minimum of six credits chosen from the AAOT-approved courses.

- [ATH 101 - Intro to Physical Anthropology](#) **3.00 credits**
- [ECO 201 - Principles of Economics: Microeconomics](#) **3.00 credits**
- [ECO 202 - Principles of Economics: Macroeconomics](#) **3.00 credits**
- [GEO 106 - Human Cultural Geography I](#) **3.00 credits**
- [GEO 107 - Human Cultural Geography II](#) **3.00 credits**
- [HST 101 - Western Civilization I: Ancient World to 1000](#) **3.00 credits**
- [HST 101M - Western Civilization I](#) **5.00 credits**
- [HST 102 - Western Civilization II: 1000 to 1800](#) **3.00 credits**

- [HST 103 - Western Civilization III: 1800 to Present](#) **3.00 credits**
- [HST 103M - Western Civilization II](#) **5.00 credits**
- [HST 201 - United States History I: Colonial Period to 1840](#) **3.00 credits**
- [HST 201M - United States History I](#) **5.00 credits**
- [HST 202 - United States History II: 1840 to 1914](#) **3.00 credits**
- [HST 203 - United States History III: 1914 to Present](#) **3.00 credits**
- [HST 203M - United States History II](#) **5.00 credits**
- [PSY 201A - General Psychology I](#) **3.00 credits**
- [PSY 201M - General Psychology I](#) **5.00 credits**
- [PSY 202A - General Psychology II](#) **3.00 credits**
- [PSY 202M - General Psychology II](#) **5.00 credits**
- [PSY 203A - General Psychology III](#) **3.00 credits**
- [PSY 225 - Abnormal Psychology I](#) **3.00 credits**
- [PSY 226 - Abnormal Psychology II](#) **3.00 credits**
- [SOC 204 - Gen Sociology: Soc in Everyday Life](#) **3.00 credits**

Science / Math / Computer Science

Natural Sciences

Students must complete this 3-course sequence for a minimum of 15 credits.

*BIO 211, 212, and 213 must be taken at the same institution.

- [BIO 211 - Prin of Biology 1 \(Preprofessional\)](#) **4.00 credits**
- [BIO 211L - Prin of Bio 1 Lab](#) **1.00 credits**
- [BIO 212 - Prin of Biology 2 \(Preprofessional\)](#) **4.00 credits**
- [BIO 212L - Prin of Bio 2 Lab](#) **1.00 credits**
- [BIO 213 - Prin of Biology 3 \(Preprofessional\)](#) **4.00 credits**
- [BIO 213L - Prin of Bio 3 Lab](#) **1.00 credits**

Chemistry

Students must complete a 3-course General Chemistry sequence with lab for a minimum of 15 credits.

- [CHE 221 - General Chemistry I \(Preprofessional\)](#) **4.00 credits**
- [CHE 221L - Gen Chem I Lab](#) **1.00 credits**
- [CHE 222 - General Chemistry II \(Preprofessional\)](#) **4.00 credits**
- [CHE 222L - Gen Chem II Lab](#) **1.00 credits**
- [CHE 223 - General Chemistry III \(Preprofessional\)](#) **4.00 credits**
- [CHE 223L - Gen Chem III Lab](#) **1.00 credits**

Physics / Math / Chemistry

Students must select two sequences for a minimum of 23 credits.

*Students are strongly recommended seeing an advisor for assistance with choosing sequences which best match their specific academic, pre-professional, and career goals.

¹ [Students transferring to PSU](#) may substitute MTH 243 & 244 for MTH 251 & 252.

² [Students transferring to EOU](#) are required to take MTH 241 (Survey of Calculus) instead of MTH 251 and 252. However, MTH 251 may serve as a substitute for MTH 241. KCC does not currently offer MTH 241.

³ [Students transferring to OSU](#) are strongly recommended to take the Organic Chemistry sequence.

⁴ [Students considering pre-medical, pre-dental, and pre-pharmacy programs](#) should consider Organic Chemistry sequence. Courses in sequence must be taken at the same institution.

- [CHE 241 - Organic Chemistry I](#) **4.00 credits** ^{3, 4}
- [CHE 241L - Org Chem I Lab](#) **1.00 credits** ^{3, 4}

- [CHE 242 - Organic Chemistry II](#) **4.00 credits** ^{3,4}
- [CHE 242L - Org Chem II Lab](#) **1.00 credits** ^{3,4}
- [CHE 243 - Organic Chemistry III](#) **4.00 credits** ^{3,4}
- [CHE 243L - Org Chem III Lab](#) **1.00 credits** ^{3,4}

- [MTH 251 - Calculus I](#) **4.00 credits** ^{1,2}
- [MTH 252 - Calculus II](#) **4.00 credits** ^{1,2}

- [PHY 201 - General Physics I \(Algebra-based\)](#) **4.00 credits**
- [PHY 201L - Gen Physics I Lab](#) **1.00 credits**
- [PHY 202 - General Physics II \(Algebra-based\)](#) **4.00 credits**
- [PHY 202L - Gen Physics II Lab](#) **1.00 credits**
- [PHY 203 - General Physics III \(Algebra-based\)](#) **4.00 credits**
- [PHY 203L - Gen Physics III Lab](#) **1.00 credits**
- [PHY 211 - General Physics I \(Calculus-based\)](#) **4.00 credits**
- [PHY 211L - Gen Physics I Lab](#) **1.00 credits**
- [PHY 212 - General Physics II \(Calculus-based\)](#) **4.00 credits**
- [PHY 212L - Gen Physics II Lab](#) **1.00 credits**
- [PHY 213 - General Physics III \(Calculus-based\)](#) **4.00 credits**
- [PHY 213L - Gen Physics III Lab](#) **1.00 credits**

Cultural Literacy

At least one (1) core transfer requirement course must also be an AAOT-approved Cultural Literacy course. When taking one of the following courses students will meet the statewide requirement for cultural literacy.

- [ENG 104 - Intro to Literature \(Fiction\)](#) **3.00 credits**
- [ENG 105 - Intro to Literature \(Drama\)](#) **3.00 credits**
- [ENG 106 - Intro to Literature \(Poetry\)](#) **3.00 credits**
- [ENG 240 - Intro to Native American Literature](#) **3.00 credits**
- [ENV 170 - Environmental Science](#) **3.00 credits**
- [ENV 170L - Environmental Science Lab](#) **1.00 credits**
- [GEO 107 - Human Cultural Geography II](#) **3.00 credits**
- [HST 101 - Western Civilization I: Ancient World to 1000](#) **3.00 credits**
- [HST 101M - Western Civilization I](#) **5.00 credits**
- [HST 102 - Western Civilization II: 1000 to 1800](#) **3.00 credits**
- [HST 103 - Western Civilization III: 1800 to Present](#) **3.00 credits**
- [HST 103M - Western Civilization II](#) **5.00 credits**
- [MUS 201 - Intro to Music & Its Literature I](#) **3.00 credits**
- [SOC 204 - Gen Sociology: Soc in Everyday Life](#) **3.00 credits**
- [SPA 201 - Second Year Spanish I](#) **4.00 credits**
- [SPA 202 - Second Year Spanish II](#) **4.00 credits**
- [SPA 203 - Second Year Spanish III](#) **4.00 credits**

Electives

Students must complete electives as required to bring the total number of credits to 90.

RECOMMENDED ADDITIONAL ELECTIVES IF NEEDED TO REACH 90 CREDITS

See an advisor for recommended courses

EOU	OIT	OSU	PSU	SOU	UO	WOU
<ul style="list-style-type: none"> • MTH 243 • Pick a 3rd sequence from physics, math, or chemistry series listed above 	<ul style="list-style-type: none"> • 4-6 credits social science • 1-3 credits humanities • 2 credits lower division health biology 	<ul style="list-style-type: none"> • SPE 111 • 3 credits Fitness • 1 Difference, Power and Discrimination course • Pick a 3rd sequence from physics, math, or chemistry series listed above 	<ul style="list-style-type: none"> • MTH 243 (if not taken to fulfill Physics, Math, Chemistry area) • Pick a 3rd sequence from physics, math, or chemistry series listed above 	<ul style="list-style-type: none"> • MTH 243 • Pick a 3rd sequence from physics, math, or chemistry series listed above 	<ul style="list-style-type: none"> • WRI 122 • Pick a 3rd sequence from physics, math, or chemistry series listed above 	<ul style="list-style-type: none"> • WRI 122 • Pick a 3rd sequence from physics, math, or chemistry series listed above



KLAMATH COMMUNITY COLLEGE

Associate of Science Transfer – Biology (AST)

Fall Term 2022

On Campus Courses

CGS100.03	College Survival & Success	M, W, F	1:00 – 1:50
CAS133.02	Intro to Computing Skills	M, W	2:00 – 3:20
CAS133L.03	Intro to Computing Skills Lab	T, R	2:00 – 3:20
ART131.01	Intro to Drawing	M, W	1:00 – 3:50
MTH111.01	College Algebra (<u>Prerequisite:</u> MTH095 with a grade of “C” or better or placement into MTH111)	M, T, W, R	1:00 – 2:15
PSY201A.01	General Psychology I (<u>Prerequisite:</u> WRI121)	M, W, F	1:00 – 1:50

Online Courses

CGS100.01DE	College Survival & Success		
CAS133.02DE	Intro to Computing Skills		
CAS133L.02DE	Intro to Computing Skills Lab		
BIO211.01DE	Principle of Biology I (Preprofessional)		
BIO211L.01DE	Principles of Biology I Lab (<u>Prerequisites:</u> MTH095 or MTH 111 or placement into MTH111 and WRI095 or WRI121 or placement into WRI121)		
GEO107.01DE	Human Cultural Geography II (<u>Recommended</u> WRI121 Placement)		
HST101.01DE	Western Civilization I (<u>Recommended</u> WRI121 Placement)		
MTH111.01DE	College Algebra (<u>Prerequisite:</u> MTH095 with a grade of “C” or better or placement into MTH111)		
MUS206M.01DE	History of Rock Music (<u>Prerequisite:</u> WRI121)		
WRI121M.01DE	English Composition I		

(Prerequisite: WRI121)

WRI122M.01DE

English Composition II

(Prerequisite: WRI121 with a grade of “C” or better)



KLAMATH COMMUNITY COLLEGE

Associate of Science Transfer – Biology (AST)

Spring Term 2022

On Campus Courses

BIO213L.01 Principles of Biology 3 (Preprofessional) Lab W 1:00 – 3:50

NOTE: This course is a Lab course and offered on campus. LECTURE is offered online and also a Lab option is available

Online Courses

ART211.01DE Modern Art History – 19th Century Art in Europe
(Recommended: WRI121)

BIO213.01DE Principles of Biology 3 (Preprofessional)
BIO213L.01DE Principles of Biology 3 (Preprofessional) Lab

ECO201.01DE Principles of Economics: Macroeconomics
(Recommended: Successful completion of MTH070 or above **and** WRI121 placement)

ENG213.01DE Latin American Literature
(Prerequisite: WRI121)

HST201M.01DE United States History I
(Recommended: Placement scores at WRI121)

WRI227.01DE Technical Communication
(Prerequisite: WRI121 with a grade of “B” or better **or** WRI122 with a grade of “C” or better)