

Associate of Science (AS)

Two-Year Associate of Science Degree

The Associate of Science (AS) degree is designed for students planning to transfer credits to a baccalaureate degree program at a four-year institution. It allows more freedom in course selection than the Associate of Arts Oregon Transfer degree; however, because of the flexibility of this degree, it may not fulfill requirements for transfer to a university in Oregon. When selecting courses for this degree, students should consult [KCC advisors](#) and the institution to which they will transfer to make sure that they are taking the correct courses.

Environmental Emphasis

KCC offers students the opportunity to earn an Associate of Science degree with an emphasis in environmental science in preparation for a bachelor's degree in environmental studies or environmental science (if transferred to a four-year program at a college or university).

Program Requirements

For courses to meet general education requirements, they must be collegiate-level numbered (e.g., 100). Courses numbered below the 100 level do not apply to the degree but are prerequisites to degree requirements.

- Transfer students must be aware of the second language requirement for the particular college and bachelor's degree they are seeking.
- Candidates for the degree must attend KCC and accumulate at least 24 credit hours of satisfactory work to establish residency. Non-traditional, challenge, or credit transferred from another institution may not be applied to the 24 credit-hour residency requirement. This requirement may not be waived.
- No more than nine credits of Special Studies or Work Experience apply.
- No more than three credits of physical education courses apply.
- Students must complete electives as required to bring the total number of credits to 90. Students should meet with transfer advisors to align elective coursework to meet Oregon universities' general education transfer requirements or workforce professional/technical requirements. Electives will vary with academic plans. Advisor approval is required.
- Number of credit hours necessary for completion: **90**

Required Courses

Student Success

- [CGS 100 - College Survival & Success](#) **3.00 credits**

Communications

Oral Communications

- [SPE 111 - Fundamentals of Speech](#) **3.00 credits** or
- [SPE 111M - Fundamentals of Speech](#) **5.00 credits**

Writing

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

Health and Wellness

Student must select one course in this requirement.

- [HPE 207 - Stress Management](#) **3.00 credits**
- [HPE 225 - Nutrition](#) **3.00 credits**
- [HPE 295 - Health & Fitness for Life](#) **3.00 credits**

Environmental Emphasis

To complete the requirements of the Environmental Emphasis the following course is required.

- [HPE 225 - Nutrition](#) **3.00 credits**

Computation

Students must complete four credits in this general education requirement.

- [MTH 105 - Math in Society](#) **4.00 credits**
- [MTH 105M - Math in Society](#) **5.00 credits**
- [MTH 111 - College Algebra](#) **5.00 credits**
- [MTH 112 - Elementary Functions](#) **4.00 credits**
- [MTH 243 - Statistics I](#) **4.00 credits**
- [MTH 251 - Calculus I](#) **4.00 credits**
- [MTH 252 - Calculus II](#) **4.00 credits**
- [MTH 253 - Calculus III](#) **4.00 credits**
- [MTH 254 - Vector Calculus](#) **4.00 credits**

Environmental Emphasis

To complete the requirements of the Environmental Emphasis, the following course is required.

- [MTH 111 - College Algebra](#) **5.00 credits**

Arts and Letters

Students must complete nine credits chosen from at least two disciplines in this general education requirement.

Additional Options

- [Arts and Letters course options](#)

Social Sciences

Students must complete nine credits chosen from at least two disciplines in this area.

Additional Options

- [Social Sciences course options](#)

Science / Math / Computer Science

Students must complete 24 credits from at least two disciplines including at least three laboratory courses in biological and/or physical science.

Additional Options

- [Science/Math/Computer Science course options](#)

Environmental Emphasis Required Courses

The following courses are required for the Environmental Emphasis.

- [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**
- [ENV 170 - Environmental Science](#) **3.00 credits**
- [ENV 170L - Environmental Science Lab](#) **1.00 credits**
- [MTH 112 - Elementary Functions](#) **4.00 credits**
- [MTH 243 - Statistics I](#) **4.00 credits**

Electives

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

- [BIO 234 - Microbiology I](#) **4.00 credits**
- [BIO 234L - Microbiology I Lab](#) **1.00 credits**
- [CAS 133 - Intro to Computing Skills](#) **3.00 credits**
- [CAS 133L - Intro to Computing Skills Lab](#) **1.00 credit**
- [ECO 201 - Principles of Economics: Microeconomics](#) **3.00 credits**
- [GEO 107 - Human Cultural Geography II](#) **3.00 credits**
- [SPE 215 - Small Group Communication: Process & Theory](#) **3.00 credits**

Environmental Emphasis Recommended Courses

These courses are recommended for the Environmental Emphasis.

- [BIO 234 - Microbiology I](#) **4.00 credits**
- [BIO 234L - Microbiology I Lab](#) **1.00 credits**
- [ECO 201 - Principles of Economics: Microeconomics](#) **3.00 credits**
- [GEO 107 - Human Cultural Geography II](#) **3.00 credits**
- [SPE 215 - Small Group Communication: Process & Theory](#) **3.00 credits**

Arts and Letters course options

- [ART 102 - Intro to Art History: Visual Arts](#) **3.00 credits**
- [ART 115 - Basic Design: 2-D Black and White](#) **3.00 credits**
- [ART 116 - Basic Design: 2-D Color](#) **3.00 credits**
- [ART 117 - Basic Design: 3-D Foundations](#) **3.00 credits**
- [ART 131 - Intro to Drawing](#) **3.00 credits**
- [ART 154 - Ceramics I](#) **3.00 credits**
- [ART 155 - Ceramics II](#) **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**
- [ART 231 - Drawing II](#) **3.00 credits**
- [ART 265 - Art for Teachers](#) **3.00 credits**
- [ART 281 - Painting](#) **3.00 credits**
- [ART 284 - Watercolor I](#) **3.00 credits**
- [ART 293 - Sculpture](#) **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 206 - Survey of English Literature 19th & 20th Century](#) **3.00 credits**
- [ENG 213 - Latin American Literature](#) **3.00 credits**
- [ENG 216 - Intro Lit Children and Young Adults](#) **3.00 credits**
- [ENG 220 - Intro to Non-European Literature](#) **3.00 credits**
- [ENG 240 - Intro to Native American Literature](#) **3.00 credits**
- [ENG 261 - Literature of Science Fiction](#) **3.00 credits**
- [ENG 275 - Bible as Literature](#) **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**
- [MUS 265 - Music for Teachers](#) **3.00 credits**
- [PHL 103 - Critical Thinking](#) **3.00 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 101 - First Year Spanish I](#) **4.00 credits**
- [SPA 101M - First Year Spanish I](#) **5.00 credits**
- [SPA 102 - First Year Spanish II](#) **4.00 credits**
- [SPA 103 - First Year Spanish III](#) **4.00 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**
- [SPE 215 - Small Group Communication: Process & Theory](#) **3.00 credits**
- [WRI 241 - Creative Writing - Fiction Workshop](#) **3.00 credits**
- [WRI 242 - Creative Writing - Poetry Workshop](#) **3.00 credits**
- [WRI 244 - Creative Writing - Advanced Fiction Workshop](#) **3.00 credits**
- [WRI 245 - Creative Writing - Advanced Poetry Workshop](#) **3.00 credits**

Social Sciences course options

- [BUS 285 - Human Relations in Organizations](#) **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**
- [POL 201 - Intro to US Government](#) **3.00 credits**
- [POL 203 - State & Local Government](#) **3.00 credits**
- [PSY 101 - Psychology & Human Relations](#) **3.00 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**
- [PSY 228 - Positive Psychology](#) **4.00 credits**
- [PSY 233 - Psychology of Violence and Aggression](#) **4.00 credits**
- [PSY 235 - Human Growth & Development I](#) **3.00 credits**
- [PSY 236 - Human Growth & Development II](#) **3.00 credits**
- [SOC 204 - Gen Sociology: Soc in Everyday Life](#) **3.00 credits**

Science / Math / Computer Science Additional Course Options

- [BIO 101 - Biology I](#) **3.00 credits**
- [BIO 101L - Bio I Lab](#) **1.00 credits**
- [BIO 102 - Biology II](#) **3.00 credits**
- [BIO 102L - Bio II Lab](#) **1.00 credit**
- [BIO 103 - Biology III](#) **3.00 credits**
- [BIO 103L - Bio III Lab](#) **1.00 credits**
- [BIO 112 - Integrated Chemistry and Cell Biology for Health Occupations](#) **3.00 credits**
- [BIO 112L - Integrated Chemistry and Cell Biology for Health Occupations Lab](#) **1.00 credits**
- [BIO 207 - Medical Genetics](#) **3.00 credits**
- [BIO 207L - Medical Genetics Lab](#) **1.00 credits**
- [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**
- [BIO 231 - Anatomy & Physiology I](#) **3.00 credits**
- [BIO 231L - Anat & Phys I Lab](#) **1.00 credits**
- [BIO 232 - Anatomy & Physiology II](#) **3.00 credits**
- [BIO 232L - Anat & Phys II Lab](#) **1.00 credits**
- [BIO 233 - Anatomy & Physiology III](#) **3.00 credits**
- [BIO 233L - Anat & Phys III Lab](#) **1.00 credits**
- [BIO 234 - Microbiology I](#) **4.00 credits**
- [BIO 234L - Microbiology I Lab](#) **1.00 credits**
- [BIO 270 - Ecosystems](#) **4.00 credits**

- [CHE 104 - General Chemistry I](#) **4.00 credits**
- [CHE 104L - Gen Chem I Lab](#) **1.00 credits**
- [CHE 105 - General Chemistry II](#) **4.00 credits**
- [CHE 105L - Gen Chem II Lab](#) **1.00 credits**
- [CHE 106 - General Chemistry III](#) **4.00 credits**
- [CHE 106L - Gen Chem III Lab](#) **1.00 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**
- [CHE 241 - Organic Chemistry I](#) **4.00 credits**
- [CHE 241L - Org Chem I Lab](#) **1.00 credits**
- [CHE 242 - Organic Chemistry II](#) **4.00 credits**
- [CHE 242L - Org Chem II Lab](#) **1.00 credits**
- [CHE 243 - Organic Chemistry III](#) **4.00 credits**
- [CHE 243L - Org Chem III Lab](#) **1.00 credits**
- [CIS 206 - Intro to Information Technology](#) **3.00 credits**
- [CIS 206L - Intro to Information Technology Lab](#) **1.00 credits**
- [CIS 275 - Database I](#) **3.00 credits**
- [CIS 275L - Database I Lab](#) **1.00 credits**
- [ENV 170 - Environmental Science](#) **3.00 credits**
- [ENV 170L - Environmental Science Lab](#) **1.00 credits**
- [GEO 105 - Physical Geography](#) **3.00 credits**
- [GEO 105L - Physical Geography Lab](#) **1.00 credits**
- [GSC 107 - Physical Science \(Astronomy\)](#) **3.00 credits**
- [GSC 107L - Phy Sci Astr Lab](#) **1.00 credits**
- [MTH 112 - Elementary Functions](#) **4.00 credits**
- [MTH 243 - Statistics I](#) **4.00 credits**
- [MTH 244 - Statistics II](#) **4.00 credits**
- [MTH 251 - Calculus I](#) **4.00 credits**
- [MTH 252 - Calculus II](#) **4.00 credits**
- [MTH 254 - Vector Calculus](#) **4.00 credits**
- [PHY 101 - Fundamentals of Physics I](#) **3.00 credits**
- [PHY 101L - Fundamentals of Physics I Lab](#) **1.00 credits**
- [PHY 102 - Fundamentals of Physics II](#) **3.00 credits**
- [PHY 102L - Fundamentals of Physics II Lab](#) **1.00 credits**
- [PHY 103 - Fundamentals of Physics III](#) **3.00 credits**
- [PHY 103L - Fundamentals of Physics III Lab](#) **1.00 credits**
- [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**



KLAMATH COMMUNITY COLLEGE

Associate of Science (AS)

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 (Prerequisite: 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 (Prerequisite: WRI121)	M, W, F	1:00 – 1:50
PSY233.01	Psychology of Violence and Aggression (Prerequisite: WRI121 or placement into WRI121)	T, R	2:00 – 3:50

Online Courses

CGS100.01DE	College Survival & Success
CAS133.02DE	Intro to Computing Skills
CAS133L.02DE	Intro to Computing Skills Lab
BIO103.01DE	Biology III
BIO103 I.01DE	Biology III Lab
ECO201.01DE	Principles of Economics: Microeconomics
ENV170.01DE	Environmental Science
ENV170L.01DE	Environmental Science Lab (Recommended: Placement into WRI095)

GEO107.01DE	Human Cultural Geography II (<u>Recommended</u> WRI121 Placement)
HPE225.01DE	Nutrition
HST101.01DE	Western Civilization I (<u>Recommended</u> WRI121 Placement)
MTH111.01DE	College Algebra (<u>Prerequisite</u> : MTH 095 with a grade of “C” or better or placement into MTH111)
PSY235.01DE	Human Growth & Development I
SPA101.01DE	First Year Spanish I



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Winter Term 2022

On Campus Courses

ART265.01	Art for Teachers	M, W	1:00 – 2:20
BIO212L.01	Principle of Biology 2 (Preprofessional) Lab (Prerequisites: MTH095 or MTH111 or placement into MTH111 and WRI095 or WRI121 or placement into WR121)	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.			
MTH112.01	Elementary Functions (Prerequisite: MTH111 with a grade of “C” or better)	M, T, W, R	1:00 – 1:50
WRI121.04	English Composition I	M, W	1:00 – 2:50

Online Courses

BIO212.01DE BIO212.01DE	Principle of Biology 2 (Preprofessional) Principle of Biology 2 (Preprofessional) (Prerequisites: MTH095 or MTH111 or placement into MTH111 and WRI095 or WRI121 or placement into WRI121)		
BUS285.01DE	Human Relations in Organizations		
ECO202.01DE	Principles of Economics: Macroeconomics (Recommended: Successful completion of MTH070 or above and WRI121 placement)		
ENG104.01DE	Intro to Literature (Fiction) (Corequisite: WRI121) Can be taken at the same time as WRI121		
MTH11201DE	Elementary Functions (Prerequisite: MTH111 with a grade of “C” or better)		
PHL103.01DE	Critical Thinking		

(Prerequisite: WRI095 or WRI121 or placement into WRI121)

PSY201A.01DE General Psychology I
(Prerequisite: WRI121)

PSY235.01DE Human Growth & Development I
(Recommended: Previous coursework in psychology)

WRI122M.01DE English Composition II
(Prerequisite: WRI121 with a grade of “C” or better)



KLAMATH COMMUNITY COLLEGE

Associate of Science (AS)

Spring Term 2022

On Campus Courses

SPE111.01	Fundamentals of Speech (Prerequisite: WRI121)	T, R	3:00 – 4:20
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Online Courses

ART211.01DE	Modern Art History – 19 th Century Art in Europe (Recommended: WRI121)		
ENG213.01DE	Latin American Literature (Prerequisite: WRI121)		
GEO107.01DE	Human Cultural Geography II (Recommended: WRI121 placement)		
MMTH112.01DE	Elementary Functions (Prerequisite: MTH111 with a grade of “C” or better)		
PSY201M.01DE	General Psychology I (Prerequisite: WRI121)		
SPE111.01DE	Fundamentals of Speech (Prerequisite: WRI121)		