

## ASSOCIATE OF SCIENCE DEGREE Last updated October 1, 2008

The Associate of Science degree is a transfer degree intended especially to facilitate a transfer to Oregon State University and is an agreement between Oregon State University and Linn-Benton Community College to provide transfer of LBCC coursework to OSU. Students who complete this degree and are accepted to Oregon State University will be admitted as having completed all lower-division general education (Baccalaureate Core) requirements but not necessarily school, department, or major requirements with regard to courses or GPA. Students are encouraged to consult with an advisor at OSU.

For a list of accepted courses at OSU, refer to LBCC web site. Go to <http://www.linnbenton.edu/go/degree-partnership> then click on the "helpful links" button and look for the "Articulation Tables" links. (The Articulation Tables identify course equivalencies.)

Students pursuing the Associate of Science degree **must** meet additional program requirements in one of the following specific emphasis subject areas. If your area of interest is not listed as an AS degree in this catalog, check with an LBCC advisor or counselor to determine the one that is most appropriate for your career goal.

For students **not** transferring to Oregon State University, AS degree credits transfer to all four-year institutions on a course-by-course basis. The assignment of LBCC credit to particular requirements of other schools is made by the institution to which the transfer is being made.

### LBCC/OSU Degree Crosswalk

LBCC Associate of Science Degree	OSU Bachelors Degree	Type of Degree
Agricultural Business Management	Environmental Economics, Policy & Management	BS
	Agricultural Business Management	BS
Agriculture, General	Crop and Soil Science	BS
	General Agriculture	BS
	Horticulture	BS
Animal Science	Animal Sciences	BS
Art	Applied Visual Arts	BFA
	Art	BA or BS
Biological Sciences	Biology	BS
	Bioresource Research	BS

<b>LBCC Associate of Science Degree</b>	<b>OSU Bachelors Degree</b>	<b>Type of Degree</b>
	Botany	BS
	Environmental Sciences	BS
	Fisheries and Wildlife Science	BS
	Food Science and Technology	BS
	Forest Management	BS
	Microbiology	BS
	Zoology	BA, BS
Biological Sciences or Chemistry or Physics	Biochemistry and Biophysics	BS
Biological Sciences or Physics	Radiation Health Physics	BS
Business Administration	Accountancy	BA or BS
	Business Administration	BA or BS
Chemistry	Chemistry	BA or BS
	Pre-Pharmacy	BS
	Wood Science Technology	BS
Computer Science	Computer Science	BA or BS
	Management Information Systems Option	BA or BS
Economics	Economics	BA or BS
Education*	<u>Elementary</u> : Human Development and Family Sciences or General Science or Liberal Studies	BA or BS
	<u>*Secondary</u> : Academic subject major	BA or BS
Engineering	Chemical Engineering	BS
	Civil Engineering	BS
	Computer Engineering	BS
	Construction Engineering Management	BA or BS
	Electrical and Electronics Engineering	BS
	Engineering Physics	BS
	Environmental Engineering	BA or BS
	Forest Engineering	BS

<b>LBCC Associate of Science Degree</b>	<b>OSU Bachelors Degree</b>	<b>Type of Degree</b>
	Forest Engineering - Civil Engineering	BS
	Industrial Engineering	BS
	Manufacturing Engineering	BS
	Mechanical Engineering	BS
	Nuclear Engineering	BS
English	English	BA
Equine Science	Equine Science Option	BS
Exercise and Sport Science	Exercise and Sport Science	BS
Food and Fermentation Science	Enology and Viticulture Option	BS
	Fermentation Science Option	BS
	Food Science Option	BS
Foreign Language	French	BA
	German	BA
	Spanish	BA
General Science	General Science	BS
	Geology	BA or BS
	Natural Resources	BS
Health & Human Science	Apparel Design	BS
	Housing Studies	BS
	Human Development and Family Sciences	BS
	Interior Design	BS
	Merchandising Management	BS
	Nutrition & Food Management	BS
Health Promotion & Education	Health Promotion and Human Behavior	BS
Horticulture	Horticulture	BS
Journalism/Mass Communications	**	BA or BS
Mathematics	Mathematical Sciences	BS
	Mathematics	BS

<b>LBCC Associate of Science Degree</b>	<b>OSU Bachelors Degree</b>	<b>Type of Degree</b>
Music	Music	BA or BS
Physics	Physics	BA or BS
	Computational Physics	BS
Pre-Restaurant Management	Restaurant & Food Service Management Option	BS
Social Science	American Studies	BS
	Anthropology	BA or BS
	Ethnic Studies	BA or BS
	History	BA or BS
	Philosophy	BA or BS
	Political Science	BA or BS
	Psychology	BA or BS
	Sociology	BA or BS
Speech Communication	Speech Communication	BA or BS
Theater	Speech Communication Theater Arts Option	BA or BS

\*Education: Students who are interested in secondary education need an academic subject major and need to see an Education advisor. Students interested in either elementary or secondary teaching may also elect to complete an academic subject major and a double degree in Education.

\*\*Journalism/Mass Communication: Students who complete the AS degree in Journalism should plan to complete the Liberal Studies degree at OSU. Contact the Journalism advisor at LBCC or the Liberal Studies advisor at OSU for a complete list of recommended courses.

### **General Education Core Requirements**

Listed below are the general education requirements for the AS degree. Specific courses that meet these requirements are listed in this catalog and are available from program advisors.

#### **Writing and Composition (6 credits)**

WR 121 English Composition (3 cr) (Must have passed WR 115 with grade of "C" or better or attained an appropriate score on the Placement Test to enroll in WR 121.)

*Plus select one (1) additional course:*

- JN 216 News Reporting and Writing (3 cr)
- WR 122 English Composition: Argument & Style (3 cr)
- WR 123 English Composition: Research (3 cr)
- WR 185 Understanding English Grammar (3 cr)
- WR 214 Business Communications (3 cr)
- WR 227 Technical Writing (3 cr)
- WR 228 Technical Report II (3 cr)

WR 241 Creative Writing: Fiction (3 cr)  
WR 242 Creative Writing: Poetry (3 cr)  
WR 243 Creative Writing: Script Writing (3 cr)  
WR 244 Advanced Creative Writing: Fiction (3 cr)

**Speech (3 credits)**

*Select one (1) course:*

SP 111 Fundamentals of Speech (3 cr)  
SP 112 Introduction to Persuasion (3 cr)  
SP 218 Interpersonal Communication (3 cr)

**Mathematics (4 credits)**

*Select one (1) course:*

MTH 105 Introduction to Contemporary Mathematics (4 cr)  
MTH 111 College Algebra (5 cr)  
MTH 112 Trigonometry (5 cr)  
MTH 211 Fundamentals of Elementary Math I (4 cr)  
MTH 212 Fundamentals of Elementary Math II (4 cr)  
MTH 213 Fundamentals of Elementary Math III (4 cr)  
MTH 231 Elements of Discrete Mathematics (4 cr)  
MTH 232 Elements of Discrete Mathematics (4 cr)  
MTH 241 Calculus for Biological, Management, and Social Sciences (4 cr)  
MTH 243 Introduction to Statistics (4 cr)  
MTH 245 Math for Biological, Management, and Social Sciences (4 cr)  
MTH 251 Differential Calculus (5 cr)  
MTH 252 Integral Calculus (5 cr)  
MTH 253 Calculus (4 cr)  
MTH 254 Calculus (4 cr)  
MTH 255 Vector Calculus (4 cr)  
MTH 256 Applied Differential Equations (4 cr)  
MTH 265 Statistics for Scientists and Engineers (4 cr)

**Health & Physical Fitness (3 credits)**

PE 231 Lifetime Health & Fitness (3 cr)

**Perspectives (27 credits)**

Listed below are the Perspectives requirements for the AS degree. Specific courses that meet these requirements are listed in this catalog and are available from program advisors. No more than two courses with the same prefix may be used by a student to satisfy each Perspective category.

**Biology Perspectives (4 credits)**

*Select one (1) course:*

ANS 121 Intro to Animal Science (4 cr)  
BI 101 General Biology (4 cr)  
BI 102 General Biology (4 cr)  
BI 103 General Biology (4 cr)  
BI 200 Principles of Ecology (4 cr)  
BI 211 Principles of Biology (4 cr)  
BI 212 Principles of Biology (4 cr)

BI 213 Principles of Biology (4 cr)  
BI 234 Microbiology (4 cr)  
CSS 205 Soils: Sustainable Ecosystems (4 cr)

**Physical Science Perspectives (4 credits)**

*Select one (1) course:*

CH 112 Chemistry for Health Occupations (5 cr)  
CH 121 College Chemistry (5 cr)  
CH 122 College Chemistry (5 cr)  
CH 123 College Chemistry (5 cr)  
CH 201 Chemistry for Engineering Majors I (5 cr)  
CH 202 Chemistry for Engineering Majors II (5 cr)  
CH 221 General Chemistry (5 cr)  
CH 222 General Chemistry (5 cr)  
CH 223 General Chemistry (5 cr)  
G 101 Introduction to Geology (4 cr)  
G 102 Introduction to Geology (4 cr)  
G 103 Introduction to Geology (4 cr)  
GEOG 121 Physical Geography (4 cr)  
GS 104 Physical Science: Principles of Physics (4 cr)  
GS 105 Physical Science: Principles of Chemistry (4 cr)  
GS 106 Physical Science: Principles of Earth Science (4 cr)  
GS 108 Oceanography (4 cr)  
PH 104 Descriptive Astronomy (4 cr)  
PH 201 General Physics (5 cr)  
PH 202 General Physics (5 cr)  
PH 203 General Physics (5 cr)  
PH 211 General Physics with Calculus (5 cr)  
PH 212 General Physics with Calculus (5 cr)  
PH 213 General Physics with Calculus (5 cr)

**One additional course from either list above (biological science or physical science) (4 credits)**

**Cultural Diversity Perspectives (3 credits)**

*Select one (1) course:*

ANTH 210 Comparative Cultures (3 cr)  
ANTH 230 Time Travelers (3 cr)  
ANTH 232 Native North Americans (3 cr)  
ENG 207 NonWestern World Literature: Asia (3 cr)  
ENG 208 NonWestern World Literature: Africa (3 cr)  
ENG 209 NonWestern World Literature: The Americas (3 cr)  
ENG 215 Latino/a Literature (3 cr)  
ENG 240 Native American Literature (3 cr)  
ENG 257 African American Literature (3 cr)  
GEOG 202 World Geography: Latin American & Caribbean (3 cr)  
GEOG 203 World Geography: Asia (3 cr)  
GEOG 204 World Geography: Africa & Middle East (3 cr)  
HST 157 History of the Middle East and Africa (3 cr)  
HST 158 History of Latin America (3 cr)  
HST 159 History of Asia (3 cr)

HUM 101 Prehistory, Medievalism, and World Beyond (3 cr)  
HUM 102 Renaissance, Faith and Reason in Global Encounter (3 cr)  
HUM 103 Modernism, Globalism, and Information Age (3 cr)  
R 101 Intro to Religious Studies (3 cr)  
R 102 Religions of Western World (3 cr)  
R 103 Religions of Eastern World (3 cr)

**Difference, Power, and Discrimination Perspectives (3 credits)**

*Select one (1) course:*

EC 220 Contemporary U.S. Economic Issues: (3 cr)  
ENG 220 Lit of American Minorities (3 cr)  
HDFS 201 Individual and Family Development (3 cr)  
HST 201 U.S. History: Colonial & Revolutionary (3 cr)  
HST 202 U.S. History: Civil War & Reconstruction (3 cr)  
HST 203 U.S. History: Rise to World Power (3 cr)  
SOC 206 General Sociology (3 cr)  
SOC 222 Marriage Relationships (3 cr)

**Literature and the Arts Perspectives (3 credits)**

*Select one (1) course:*

ART 102 Understanding Art (3 cr)  
ART 204 History of Western Art (3 cr)  
ART 205 History of Western Art (3 cr)  
ART 206 History of Western Art (3 cr)  
ENG 104 Literature: Fiction (3 cr)  
ENG 105 Literature: Drama (3 cr)  
ENG 106 Literature: Poetry (3 cr)  
ENG 107 Western World Literature: Classical (3 cr)  
ENG 108 Western World Literature: Middle Ages through Neoclassicism (3 cr)  
ENG 109 Western World Literature: Modern (3 cr)  
ENG 110 Film Studies (3 cr)  
ENG 121 Mystery Fiction (3 cr)  
ENG 201 Shakespeare (3 cr)  
ENG 202 Shakespeare (3 cr)  
ENG 203 Shakespeare (3 cr)  
ENG 204 English Literature: Early (3 cr)  
ENG 205 English Literature: Middle (3 cr)  
ENG 206 English Literature: Modern (3 cr)  
ENG 207 Non-Western World Literature: Asia (3 cr)  
ENG 208 Non-Western World Literature: Africa (3 cr)  
ENG 209 Non-Western World Literature: The Americas (3 cr)  
ENG 215 Latino/a Literature (3 cr)  
ENG 220 Literature of American Minorities (3 cr)  
ENG 221 Children's Literature (3 cr)  
ENG 240 Native American Literature (3 cr)  
ENG 253 American Literature: Early (3 cr)  
ENG 254 American Literature: Middle (3 cr)  
ENG 255 American Literature: Modern (3 cr)  
ENG 257 African American Literature (3 cr)  
ENG 260 Women Writers (3 cr)  
ENG 261 Science Fiction (3 cr)

ENG 275 Bible as Literature (3 cr)  
HUM 101 Prehistory, Mediavalism, and World Beyond (3 cr)  
HUM 102 Renaissance, Faith and Reason in Global Encounter (3 cr)  
HUM 103 Modernism, Globalism, and Information Age (3 cr)  
MUS 105 Introduction to Rock Music (3 cr)  
MUS 161 Music Appreciation (3 cr)  
MUS 205 Introduction to Jazz (3 cr)  
TA 106 Introduction to Theater (3 cr)

**Social Processes & Institutions Perspectives (3 credits)**

*Select one (1) course:*

ANTH 103 Intro to Cultural Anthropology (3 cr)  
EC 201 Intro to Microeconomics (4 cr)  
EC 202 Intro to Macroeconomics (4 cr)  
HDFS 200 Human Sexuality (3 cr)  
HDFS 201 Individual & Family Development (3 cr)  
HE 225 Social & Individual Health Determinants (3 cr)  
HST 101 History of Western Civilization (3 cr)  
HST 102 History of Western Civilization (3 cr)  
HST 103 History of Western Civilization (3 cr)  
PS 104 Problems in American Politics (3 cr)  
PS 200 Introduction to Politics (3 cr)  
PS 201 Intro to American Politics & Government (3 cr)  
PS 204 Comparative Politics (3 cr)  
PS 205 Introduction to International Relations (3 cr)  
PSY 201 General Psychology (3 cr)  
PSY 202 General Psychology (3 cr)  
PSY 203 General Psychology (3 cr)  
PSY 231 Human Sexuality (3 cr)  
SOC 204 General Sociology (3 cr)  
SOC 205 General Sociology (3 cr)

**Western Culture Perspectives (3 credits)**

*Select one (1) course:*

ART 204 History of Western Art (3 cr)  
ART 205 History of Western Art (3 cr)  
ART 206 History of Western Art (3 cr)  
EC 215 Economic Development of the U.S. (4 cr)  
ENG 105 Literature: Drama (3 cr)  
ENG 107 Western World Literature: Classical (3 cr)  
ENG 108 Western World Literature: Middle Ages through Neoclassicism (3 cr)  
ENG 109 Western World Literature: Modern (3 cr)  
ENG 110 Film Studies (3 cr)  
ENG 201 Shakespeare (3 cr)  
ENG 202 Shakespeare (3 cr)  
ENG 203 Shakespeare (3 cr)  
ENG 204 English Literature: Early (3 cr)  
ENG 205 English Literature: Middle (3 cr)  
ENG 206 English Literature: Modern (3 cr)  
ENG 253 American Literature: Early (3 cr)  
ENG 254 American Literature: Middle (3 cr)

ENG 255 American Literature: Modern (3 cr)  
HST 101 History of Western Civilization (3 cr)  
HST 102 History of Western Civilization (3 cr)  
HST 103 History of Western Civilization (3 cr)  
HST 150 Science & Culture in the Western Tradition (3 cr)  
HST 201 U. S. History: Colonial & Revolutionary (3 cr)  
HST 202 U. S. History: Civil War & Reconstruction (3 cr)  
HST 203 U.S. History: Rise to World Power ( 3 cr)  
HUM 101 Humanities: Prehistoric to the Middle Ages (3 cr)  
HUM 102 Humanities: Renaissance Through the Enlightenment (3 cr)  
HUM 103 Humanities: Romantic Era to Contemporary Society (3 cr)  
PHL 201 Introduction to Philosophy (3 cr)  
PHL 202 Elementary Ethics (3 cr)  
PHL 215 History of Western Philosophy (3 cr)  
R 211 The Old Testament: Historical Background (3 cr)  
R 212 The New Testament: Historical Background (3 cr)

**TOTAL CREDITS REQUIRED: 90**

Complete at least 47 credits based on program emphasis requirements. See specific program information. (This may include up to 12 credits from professional technical courses required in state-approved professional technical programs.)