

Appendix A

Requirements for the Associate of Applied Science Degree

1. Complete the general education requirements and the required major curriculum as outlined.
2. Complete a minimum of 90 credits (some programs require more).
3. Complete a minimum of 24 credits at LBCC.
4. Maintain a minimum accumulative grade point average of 2.00 or better.

General Education Requirements

Listed below are the general education requirements for the AAS degree. Where options exist, see a department advisor for assistance. Courses numbered with 0. (zero decimal point) do not apply toward this degree.

Writing/Composition. Complete the following (or a higher level course) with a "C" or better:

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

Writing/Composition Credits Required..... 3

Communication. Select one communication course from the following.

- COMM 100 Introduction to Speech Communication (3 credits)
 COMM 111 Fundamentals of Speech (3 credits)
 COMM 112 Introduction to Persuasion (3 credits)
 COMM 218 Interpersonal Communication (3 credits)

Communication Credits Required..... 3

Math. Take the following math courses or test into a higher level math course.

- MTH 061 Survey of Math Fundamentals (3 credits) (You must have attained an appropriate score on the Placement Test to take MTH 061 or have received a "C" or better in MTH 060)
 MTH 063 Industrial Shop Math (1 credit) or

Math Credits Required..... 4

Health & Physical Education. Select three credits from the list below. (Only one activity course may be taken twice to meet general education requirements. No more than two activity courses per term will count toward general education requirements.)

- HE 112 Emergency First Aid (1 credit)
 HE 125 Occupational Safety & Health (3 credits)
 HE 225 Social & Individual Health Determinants (3 credits)
 HE 252 First Aid (3 credits)
 HE 261 CPR (1 credit)
 HE 261A Professional Rescuer (1 credit)
 PE 180 Activity Courses (1 credit)
 PE 185 Activity Courses (various courses for 1 or 2 credits)
 PE 190 Activity Courses (1 credit)
 PE 231 Lifetime Health & Fitness (3 credits)
 PE 291 Lifeguard Training (2 credits)
 PE 292 Water Safety Instructor (2 credits)

Health & Physical Education Credits Required 3

Science & Society Perspective. Three credits required. Courses listed are 3–5 credits. The following courses have been approved by the Curricular Issues Committee to meet the Science and Society general education perspectives requirement for the Associate of Applied Science degree.

- ANS 121 Introduction to Animal Science (4 credits)
 BI 101, 102, 103 General Biology (4 credits)
 BI 200 Principles of Ecology: Field Biology (4 credits)
 BI 211, 212, 213 Principles of Biology (4 credits)
 BI 234 Microbiology (4 credits)
 CH 113 Chemistry for Health Occupations (5 credits)
 CH 121, 122, 123 College Chemistry (5 credits)
 CH 221, 222, 223 General Chemistry (5 credits)
 G 101, 102, 103 Introduction to Geology (4 credits)
 G 201, 202 Physical Geology I, II (4 credits)

- G 203 Historical Geology (4 credits)
 GEOG 121 Physical Geography (4 credits)
 GS 104, 105, 106 Physical Sciences (4 credits)
 GS 108 Oceanography (4 credits)
 PH 104 Descriptive Astronomy (4 credits)
 PH 201, 202, 203 General Physics (4 credits)
 PH 211, 212, 213 General Physics with Calculus (5 credits)

(All of the **above** Science and Society courses ARE guaranteed to meet Oregon University System requirements if used as transfer.)

(All of the Science and Society courses listed **below** are NOT guaranteed to meet university System requirements if used as transfer. Please consult your advisor for transferability.)

- GS 151 Energy in Society (3 credits)
 GS 152 Science, Technology & Society (3 credits)
 GS 152G History of Medicine in the U.S. (3 credits)
 GS 154 Energy & Sustainability (3 credits)
 HST 150 Science & Culture in the Western Tradition (3 credits)
 HSTS 151 History of Science (3 credits)
 WW 6.190 Introduction to Environmental Science (6 credits)

Science & Society Credits Required 3

Cultural Literacy Perspective.

The following courses have been approved by the Curricular Issues Committee to meet the Cultural Literacy general education perspectives requirement for the Associate of Applied Science degree. Choose one course from the AAOT Degree Discipline Studies (Appendix B) that has the Cultural Literacy symbol ♦.

Cultural Literacy Credits Required..... 3

Total General Education Credits Required..... 19

Choose additional courses for a total of 90 credits.

Total Credits Required: 90

Appendix B

Requirements for the Associate of Arts (Oregon Transfer) Degree

The AAOT degree is an agreement between the Oregon University System and Oregon's community colleges to provide transfer of community college coursework to a state four-year institution (Oregon State University, University of Oregon, Eastern Oregon State University, Portland State University, Southern Oregon State University, Western Oregon University and Oregon Institute of Technology) as well as other community colleges. Completing this degree can lead to junior standing upon transfer but does not guarantee automatic admission by the college or university. The AAOT is recognized by the colleges and universities as meeting institutional lower-division general education requirements but not necessarily school, department or major requirements with regard to courses or GPA. LBCC students are encouraged to consult with an advisor at the school they plan to attend.

Foreign Language. Although foreign language is not required for an AAOT degree at LBCC, the OUS schools require two years of high school foreign language (same language) or two terms of college foreign language for all degrees. Furthermore, students planning to pursue a BA degree will be required to complete two years of foreign language study.

Foundational Requirements

Listed below are the general education requirements for the AAOT degree. All courses must be passed with a grade of "C" or better. Students must have a minimum cumulative GPA of 2.0 at the time the AAOT is awarded.

Writing & Composition. As a result of completing the General Education Writing sequence, a student should be able to:

- Read actively, think critically, and write purposefully and capably for academic and, in some cases, professional audiences;
- Locate, evaluate, and ethically utilize information to communicate effectively; and
- Demonstrate appropriate reasoning in response to complex issues.

As a result of taking General Education Writing courses infused with Information Literacy, a student who successfully completes should be able to:

- Formulate a problem statement;
- Determine the nature and extent of the information needed to address the problem;
- Access relevant information effectively and efficiently;
- Evaluate information and its source critically; and
- Understand many of the economic, legal, and social issues surrounding the use of information.

Take the following writing courses:

WR 121	English Composition (3 credits) (You must have passed WR 115 with a grade of "C" or better or attained an appropriate score on the Placement Test to enroll in WR121.)
WR 122	English Composition: Argumentation (3 credits) and either
WR 123	English Composition: Research (3 credits) or
WR 227	Technical Writing (3 credits)

Communication. As a result of successfully completing the Communication General Education requirements, a student should be able to

- engage in ethical communication processes that allow people to accomplish goals;
- respond to the needs of diverse audiences and contexts; and
- build and manage personal and community relationships.

Select one communication course from the following:

COMM 111	Fundamentals of Speech (3 credits)
COMM 112	Introduction to Persuasion (3 credits)
COMM 218	Interpersonal Communication (3 credits)
Total Communication Credits Required 3	

Mathematics. As a result of taking General Education Mathematics courses, a student should be able to:

- Use appropriate mathematics to solve problems; and
- Recognize which mathematical concepts are applicable to a scenario, apply appropriate mathematics and technology in its analysis, and then accurately interpret, validate, and communicate the results.

Take MTH 105 Introduction to Contemporary Mathematics (4 credits) or higher math course number.

Total College Level Math Credits Required 4

Health/Wellness/Fitness

Select one or more courses totaling at least three credits.

HE 225	Social & Individual Health Determinants (3 credits)
PE 180	Activity Classes (1 credit)
PE 185	Activity Classes (various courses for 1 or 2 credits)
PE 190	Activity Classes (1 credit)
PE 231	Lifetime Health & Fitness (3 credits)
PE 291	Lifeguard Training (2 credits)
PE 292	Water Safety Instructor (2 credits)

Health & Physical Education Credits Required 3

Total Foundational Credits Required 19

Discipline Studies

Cultural Literacy Courses. As a result of taking a designated Cultural Literacy course, learners would be able to:

- Identify and analyze complex practices, values, and beliefs and the culturally and historically defined meanings of difference.

Students must select one course from any of the discipline studies that is designated as meeting the statewide criteria for cultural literacy indicated by a ♦ symbol.

Arts & Letters Courses. As a result of taking General Education Arts & Letters* courses, a student should be able to:

- Interpret and engage in the Arts & Letters, making use of the creative process to enrich the quality of life; and
- Critically analyze values and ethics within a range of human experience and expression to engage more fully in local and global issues.

* "Arts & Letters" refers to works of art, whether written, crafted, designed, or performed and documents of historical or cultural significance.

Select a minimum of three courses chosen from two or more disciplines.

ART 102	Understanding Art (3 credits)
ART 204	History of Western Art (3 credits)
ART 205	History of Western Art (3 credits)
ART 206	History of Western Art (3 credits)
ART 261	Introduction to Photography (3 credits)
ART 264	Intermediate Black & White Photography (3 credits)
ART 266	Photography: Art & Technique (3 credits)
ENG 104	Literature: Fiction (3 credits)
ENG 106	Literature: Poetry (3 credits)
ENG 107	Western World Literature: Classical (4 credits)
ENG 109	Western World Literature: Modern (4 credits)
ENG 110	Film Studies (3 credits)
ENG 201	Shakespeare (4 credits)
ENG 202	Shakespeare (4 credits)
ENG 204	English Literature: Early (3 credits)
ENG 205	English Literature: Middle (3 credits)
ENG 206	English Literature: Modern (3 credits)

ENG 207	◆	Non-Western World Literature: Asia (3 credits)
ENG 208	◆	Non-Western World Literature: Africa (3 credits)
ENG 209	◆	Non-Western World Literature: The Americas (3 credits)
ENG 220	◆	Literature of American Minorities (3 credits)
ENG 221		Children's Literature (3 credits)
ENG 253		American Literature: Early (4 credits)
ENG 255		American Literature: Modern (4 credits)
ENG 257	◆	African-American Literature (3 credits)
ENG 261		Science Fiction (3 credits)
HUM 101	◆	Intro to Humanities: Prehistory, Medievalism & Beyond (3 credits)
HUM 102	◆	Intro to Humanities: Renaissance, Faith & Reason (3 credits)
HUM 103	◆	Intro to Humanities: Modernism, Globalism & Info Age (3 credits)
JN 134		Introduction to Photojournalism (3 credits)
JN 201		Media & Society (4 credits)
JN 216		News Reporting & Writing (3 credits)
JN 217		Feature Writing (3 credits)
MUS 101		Music Fundamentals (3 credits)
MUS 105		Introduction to Rock Music (3 credits)
MUS 108	◆	Music Cultures of the World (3 credits)
MUS 161		Music Appreciation (3 credits)
MUS 205		Introduction to Jazz (3 credits)
SPN 201		Second-Year Spanish I (4 credits)
SPN 202		Second-Year Spanish II (4 credits)
SPN 203		Second-Year Spanish III (4 credits)
SPN 214		Spanish for Heritage Speakers (4 credits)
SPN 215		Spanish for Heritage Speakers (4 credits)
SPN 216		Spanish for Heritage Speakers (4 credits)
TA 145		Improvisation (3 credits)
TA 147		Introduction to Theater (3 credits)
WR 240		Creative Writing: Nonfiction Workshop (3 credits)
WR 241		Creative Writing: Short Fiction Workshop (3 credits)
WR 242		Creative Writing: Poetry Workshop (3 credits)

Arts & Letters Credits Required..... 12

Social Science Courses. As a result of taking General Education Social Science courses, a student should be able to:

- Apply analytical skills to social phenomena in order to understand human behavior; and
- Apply knowledge and experience to foster personal growth and better appreciate the diverse social world in which we live.

Select a minimum of four courses chosen from two or more disciplines. Select a minimum of 8 credits with the same prefix and a minimum of 3 credits with a different prefix, for a total of 15 credits:

ANTH 103		Introduction to Cultural Anthropology (3 credits)
ANTH 210	◆	Comparative Cultures (3 credits)
ANTH 230	◆	Time Travelers (3 credits)
ANTH 232	◆	Native North Americans (3 credits)
CJ 100		Survey of the Criminal Justice System (3 credits)
CJ 101		Introduction to Criminology (3 credits)
CJ 110		Introduction to Law Enforcement (3 credits)
CJ 120		Introduction to Judicial Process (3 credits)
CJ 130		Introduction to Corrections (3 credits)
CJ 201		Juvenile Delinquency (3 credits)
CJ 202		Violence & Aggression (3 credits)
CJ 220		Introduction to Substantive Law (3 credits)
CJ 226		Constitutional Law (3 credits)
EC 115		Outline of Economics (4 credits)
EC 201		Introduction to Microeconomics (4 credits)
EC 202		Introduction to Macroeconomics (4 credits)
EC 215		Economic Development in the U.S. (4 credits)
EC 220	◆	Contemporary U.S. Economic Issues: Discrimination (3 credits)
ED 216		Purpose, Structure & Function of Education in a Democracy (3 credits)
ED 253		Learning Across the Lifespan (3 credits)
GEOG 202	◆	World Geography: Latin America & the Caribbean (3 credits)
GEOG 203	◆	World Geography: Asia (3 credits)
GEOG 204	◆	World Geography: Africa & the Middle East (3 credits)

HDFS 200		Human Sexuality (3 credits)
HDFS 201	◆	Contemporary Families in the U.S. (3 credits)
HDFS 222		Partner & Family Relationships (3 credits)
HDFS 225		Child Development (3 credits)
HDFS 229		School Age & Adolescent Development (3 credits)
HST 101		History of Western Civilization (3 credits)
HST 102		History of Western Civilization (3 credits)
HST 103		History of Western Civilization (3 credits)
HST 157	◆	History of Middle East & Africa (3 credits)
HST 158	◆	History of Latin America (3 credits)
HST 159	◆	History of Asia (3 credits)
HST 201	◆	U.S. History: Colonial & Revolutionary (3 credits)
HST 202	◆	U.S. History: Civil War & Reconstruction (3 credits)
HST 203	◆	U.S. History: Rise to World Power (3 credits)
PHL 201		Introduction to Philosophy (3 credits)
PHL 202		Elementary Ethics (3 credits)
PHL 215		History of Western Philosophy (3 credits)
PS 201		Introduction to American Politics & Government (3 credits)
PS 204		Introduction to Comparative Politics (3 credits)
PS 205		Introduction to International Relations (3 credits)
PS 211		Peace & Conflict (3 credits)
PSY 101		Psychology & Human Relations (3 credits)
PSY 201		General Psychology (3 credits)
PSY 202		General Psychology (3 credits)
PSY 203		General Psychology (3 credits)
PSY 215		Introduction to Developmental Psychology (3 credits)
PSY 216		Social Psychology (3 credits)
PSY 219		Introduction to Abnormal Psychology (3 credits)
PSY 231		Human Sexuality (3 credits)
R 101	◆	Introduction to Religious Studies (3 credits)
R 102	◆	Religions of Western World (3 credits)
R 103	◆	Religions of Eastern World (3 credits)
SOC 204		General Sociology (3 credits)
SOC 205		General Sociology (3 credits)
SOC 206	◆	General Sociology (3 credits)
SOC 222	◆	Marriage Relationships (3 credits)
WS 280	◆	Global Women (3 credits)

Social Science Credits Required 15

Science/Math/Computer Science. As a result of taking General Education Science or Computer Science courses, a student should be able to:

- Gather, comprehend, and communicate scientific and technical information in order to explore ideas, models, and solutions and generate further questions;
- Apply scientific and technical modes of inquiry, individually, and collaboratively, to critically evaluate existing or alternative explanations, solve problems, and make evidence-based decisions in an ethical manner; and
- Assess the strengths and weaknesses of scientific studies and critically examine the influence of scientific and technical knowledge on human society and the environment.

Select a minimum of four courses from at least two disciplines including at least three laboratory courses in biological and/or physical science. (Laboratory classes are indicated below with an asterisk (*)).

ANS 121		Introduction to Animal Science* (4 credits)
BI 101		General Biology* (4 credits)
BI 102		General Biology* (4 credits)
BI 103		General Biology* (4 credits)
BI 200		Principles of Ecology: Field Biology* (4 credits)
BI 211		Principles of Biology* (4 credits)
BI 212		Principles of Biology* (4 credits)
BI 213		Principles of Biology* (4 credits)
BI 231		Human Anatomy & Physiology* (5 credits)
BI 232		Human Anatomy & Physiology* (5 credits)
BI 233		Human Anatomy & Physiology* (5 credits)
BI 234		Microbiology* (4 credits)

CH 121	College Chemistry* (5 credits)
CH 122	College Chemistry* (5 credits)
CH 123	College Chemistry* (5 credits)
CH 221	General Chemistry* (5 credits)
CH 222	General Chemistry* (5 credits)
CH 223	General Chemistry* (5 credits)
CH 241	Organic Chemistry* (4 credits)
CH 242	Organic Chemistry* (4 credits)
CH 243	Organic Chemistry* (4 credits)
CS 161	Introduction to Computer Science I (4 credits)
CS 162	Introduction to Computer Science II (4 credits)
CS 260	Data Structures (4 credits)
FW 251	Principles of Wildlife Conservation (3 credits)
FW 252	Wildlife Resources: Birds* (4 credits)
G 101	Introduction to Geology* (4 credits)
G 102	Introduction to Geology* (4 credits)
G 103	Introduction to Geology* (4 credits)
G 201	Physical Geology I* (4 credits)
G 202	Physical Geology II* (4 credits)
G 203	Historical Geology* (4 credits)
GEOG 121	Physical Geography (4 credits)
GS 104	Physical Science: Principles of Physics* (4 credits)
GS 105	Physical Science: Principles of Chemistry* (4 credits)
GS 106	Physical Science: Principles of Earth Science* (4 credits)
GS 108	Oceanography* (4 credits)
GS 111	Forensic Science* (4 credits)
MTH 105	Introduction to Contemporary Math (4 credits)
MTH 111	College Algebra (5 credits)
MTH 112	Trigonometry (5 credits)
MTH 211	Fundamentals of Elementary Mathematics I (4 credits)
MTH 212	Fundamentals of Elementary Mathematics II (4 credits)
MTH 213	Fundamentals of Elementary Mathematics III (4 credits)
MTH 231	Elements of Discrete Math (4 credits)
MTH 232	Elements of Discrete Math (4 credits)
MTH 241	Calculus for Biological/Management/Social Sciences (4 credits)
MTH 243	Introduction to Statistics (4 credits)
MTH 245	Math for Biological/Management/Social Sciences (4 credits)
MTH 251	Differential Calculus (5 credits)
MTH 252	Integral Calculus (5 credits)
MTH 253	Calculus (4 credits)
MTH 254	Calculus (4 credits)
MTH 255	Vector Calculus (4 credits)
MTH 256	Applied Differential Equations (4 credits)
MTH 265	Statistics for Scientists & Engineers (4 credits)
PH 104	Descriptive Astronomy* (4 credits)
PH 201	General Physics* (5 credits)
PH 202	General Physics* (5 credits)
PH 203	General Physics* (5 credits)
PH 211	General Physics with Calculus* (5 credits)
PH 212	General Physics with Calculus* (5 credits)
PH 213	General Physics with Calculus* (5 credits)
Science/Math/Computer Science Credits	
Required	15

Electives. Any college-level course that would bring total credits to 90 quarter hours including up to 12 credits of Career and Technical Education courses (part of an LBCC Career Technical Program).

Total Discipline Studies Credits Required: 42

Total Credits Required: 90

Appendix C

Requirements for the Associate of Science Degree (Oregon State Direct Transfer)

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 the LBCC web site. Go to <http://www.linnbenton.edu/degreepartnership>, 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 emphasis requirements. 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.

Foreign Language: Although foreign language is not required for an AS degree at LBCC, OSU requires two years of high school foreign language (same language) or two terms of college foreign language for all degrees. Furthermore, students planning to pursue a BA degree at OSU will be required to complete two years of foreign language study.

General Education 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/Composition. Take the following course:

WR 121	English Composition (3 credits - Must complete with a grade of "C" or better) (You must have passed WR 115 with a grade of "C" or better or attained an appropriate score on the Placement Test to enroll in WR 121.)
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Also select one writing course from the following:

JN 216	News Reporting & Writing (3 credits)
WR 122	English Composition: Argumentation (3 credits)
WR 123	English Composition: Research (3 credits)
WR 185	Understanding English Grammar (3 credits)
WR 227	Technical Writing (3 credits)
WR 241	Creative Writing: Short Fiction Workshop (3 credits)
WR 242	Creative Writing: Poetry Workshop (3 credits)
WR 243	Creative Writing: Script Writing Workshop (3 credits)
	Writing/Composition Credits Required..... 6

Communication. Select one communication course from the following:

COMM 111	Fundamentals of Speech (3 credits)
COMM 112	Introduction to Persuasion (3 credits)
COMM 218	Interpersonal Communication (3 credits)
	Communication Credits Required..... 3

Mathematics. As a result of successfully completing the Mathematics general education requirement, a student will:

- Make reasonable estimates of solutions to mathematical problems and perform basic mathematical calculations to obtain exact answers.
- Use mathematical principles and concepts (geometry, algebra,

descriptive statistics) to model and solve real-world problems.

- Interpret and analyze information using graphs, charts, tables, mathematical symbols, and appropriate technology.
- Apply reading, writing, and speaking skills to communicate mathematical concepts, processes and results.
- Appreciate the use of and the 'coolness factor' of mathematics as a tool.

Select 4 math credits from the following:

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

Perspectives. 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 alpha prefix may be used to satisfy each perspective category.

Health & Physical Education. Take the following class:

PE 231	Lifetime Health & Fitness (3 credits)
	Fitness Credits Required 3

Perspectives. Listed below are the perspective requirements for the Associate of Science degree. Specific courses that meet the requirements are listed in the catalog and are available from program advisors. Even though the theme of a biology course may be different, a biology course number may only be used once to satisfy the graduation requirements.

Biological & Physical Sciences. As a result of successfully completing Biological and Physical Sciences Perspective requirements, a student will:

- Recognize, understand and use fundamental concepts of science to explain natural phenomena.
- Utilize critical thinking and effective problem-solving skills as well as gather and evaluate information to systematically approach challenges as an individual and as a contributing member of a team.
- Recognize, understand, and use the methods of science (collecting data, designing experiments, testing hypotheses, drawing conclusions) to solve problems and answer questions about natural phenomena.
- Demonstrate an interest in, an appreciation of, and confidence in using science and technology as a way of understanding natural phenomena.
- Effectively communicate concepts related to basic science using a variety of methods, such as writing, graphics, computers and the spoken word.

Note: Even though the theme of a biology course may be different, a biology course number may only be used once to satisfy the graduation requirements. Select one of the following courses:

ANS 121	Introduction to Animal Science (4 credits)
BI 101	General Biology (4 credits)
BI 102	General Biology (4 credits)
BI 103	General Biology (4 credits)

BI 200	Principles of Ecology: Field Biology (4 credits)
BI 211	Principles of Biology (4 credits)
BI 212	Principles of Biology (4 credits)
BI 213	Principles of Biology (4 credits)
BI 234	Microbiology (4 credits)
CSS 205	Soils: Sustainable Ecosystems (4 credits)

Biological Science Credits Required 4

Physical Science Perspectives. *Select one of the following courses:*

CH 112	Chemistry for Health Occupations (5 credits)
CH 121	College Chemistry (5 credits)
CH 122	College Chemistry (5 credits)
CH 123	College Chemistry (5 credits)
CH 201	Chemistry for Engineering Majors I (5 credits)
CH 202	Chemistry for Engineering Majors II (5 credits)
CH 221	General Chemistry (5 credits)
CH 222	General Chemistry (5 credits)
CH 223	General Chemistry (5 credits)
CSS 205	Soils: Sustainable Ecosystems (4 credits)
G 101	Introduction to Geology (4 credits)
G 102	Introduction to Geology (4 credits)
G 103	Introduction to Geology (4 credits)
G 201	Physical Geology I (4 credits)
G 202	Physical Geology II (4 credits)
G 203	Historical Geology (4 credits)
GEOG 121	Physical Geography (4 credits)
GS 104	Physical Science: Principles of Physics (4 credits)
GS 105	Physical Science: Principles of Chemistry (4 credits)
GS 106	Physical Science: Principles of Earth Science (4 credits)
GS 108	Oceanography (4 credits)
PH 104	Descriptive Astronomy (4 credits)
PH 201	General Physics (5 credits)
PH 202	General Physics (5 credits)
PH 203	General Physics (5 credits)
PH 211	General Physics with Calculus (5 credits)
PH 212	General Physics with Calculus (5 credits)
PH 213	General Physics with Calculus (5 credits)

Physical Science Credits Required 4

Also select an additional course from either list above (physical science or biological science).

Physical/Biological Science Credits Required 4

Cultural Diversity. *As a result of successfully completing the Cultural Diversity Perspective requirements, a student will:*

- Demonstrate an understanding of the historical basis of cultural ideas, behaviors, and issues of inequality.
- Realize how their cultural background influences interactions with others.
- Sensitively communicate, verbally and non-verbally, with various cultures.
- Understand and respect diversity by engaging in an unfamiliar cultural experience.
- Think critically about and interact sensitively with a variety of voices.

Select 3 credits from the following:

ANTH 210	Comparative Cultures (3 credits)
ANTH 230	Time Travelers (3 credits)
ANTH 232	Native North Americans (3 credits)
ENG 207	Non-Western World Literature: Asia (3 credits)
ENG 208	Non-Western World Literature: Africa (3 credits)
ENG 209	Non-Western World Literature: The Americas (3 credits)
ENG 257	African-American Literature (3 credits)
GEOG 202	World Geography: Latin America & the Caribbean (3 credits)
GEOG 203	World Geography: Asia (3 credits)
GEOG 204	World Geography: Africa & the Middle East (3 credits)
HST 157	History of the Middle East & Africa (3 credits)
HST 158	History of Latin America (3 credits)
HST 159	History of Asia (3 credits)
HUM 101	Intro to Humanities: Prehistory, Medievalism & Beyond (3 credits)
HUM 102	Intro to Humanities: Renaissance, Faith & Reason (3 credits)

HUM 103	Intro to Humanities: Modernism, Globalism & Info Age (3 credits)
MUS 108	Music Cultures of the World (3 credits)
R 101	Introduction to Religious Studies (3 credits)
R 102	Religions of Western World (3 credits)
R 103	Religions of Eastern World (3 credits)
WS 280	Global Women (3 credits)

Cultural Diversity Credits Required 3

Difference, Power & Discrimination Perspectives. *Select 3 credits from the following:*

EC 220	Contemporary U.S. Economic Issues (3 credits)
ENG 220	Literature of American Minorities (credits)
HDFS 201	Contemporary Families in the U.S. (3 credits)
HST 201	U.S. History: Colonial & Revolutionary (3 credits)
HST 202	U.S. History: Civil War & Reconstruction (3 credits)
HST 203	U.S. History: Rise to World Power (3 credits)
SOC 206	General Sociology (3 credits)
SOC 222	Marriage Relationships (3 credits)

Difference/Power/Discrimination Credits Required 3

Literature & the Arts. *As a result of successfully completing the Literature and the Arts Perspective requirements, a student will:*

- Communicate an understanding of the cultural and/or historical contexts, connections with other disciplines, and relevance to their own lives.
- Understand the importance of self engagement, take responsibility for their own learning, and interact with others in a respectful manner.
- Analyze and evaluate using complex thinking.
- Understand and appreciate creative works by engaging in their own creativity.

Select 3 credits from the following:

ART 102	Understanding Art (3 credits)
ART 204	History of Western Art (3 credits)
ART 205	History of Western Art (3 credits)
ART 206	History of Western Art (3 credits)
ENG 104	Literature: Fiction (3 credits)
ENG 106	Literature: Poetry (3 credits)
ENG 107	Western World Literature: Classical (4 credits)
ENG 109	Western World Literature: Modern (4 credits)
ENG 110	Film Studies (3 credits)
ENG 201	Shakespeare (4 credits)
ENG 202	Shakespeare (4 credits)
ENG 204	English Literature: Early (3 credits)
ENG 205	English Literature: Middle (3 credits)
ENG 206	English Literature: Modern (3 credits)
ENG 207	Non-Western World Literature: Asia (3 credits)
ENG 208	Non-Western World Literature: Africa (3 credits)
ENG 209	Non-Western World Literature: The Americas (3 credits)
ENG 220	Literature of American Minorities (3 credits)
ENG 221	Children's Literature (3 credits)
ENG 253	American Literature: Early (4 credits)
ENG 255	American Literature: Modern (4 credits)
ENG 257	African American Literature (3 credits)
ENG 261	Science Fiction (3 credits)
HUM 101	Intro to Humanities: Prehistory, Medievalism & Beyond (3 credits)
HUM 102	Intro to Humanities: Renaissance, Faith & Reason (3 credits)
HUM 103	Intro to Humanities: Modernism, Globalism & Info Age (3 credits)
MUS 105	Introduction to Rock Music (3 credits)
MUS 108	Music Cultures of the World (3 credits)
MUS 161	Music Appreciation (3 credits)
MUS 205	Introduction to Jazz (3 credits)
TA 147	Introduction to Theater (3 credits)

Literature & the Arts Credits Required 3

Social Processes & Institutions Perspectives. *As a result of successfully completing the Social Processes and Institutions Perspective requirements, a student will:*

- Recognize and articulate the interplay between social and/or

natural forces and individuals.

- *Use analytical thinking to draw reasonable conclusions from observations involving multiple sources.*
- *Synthesize diverse perspectives that can be expressed in a coherent and applicable manner.*
- *Understand the importance of self-engagement, take responsibility for their own learning, and interact with others in a respectful manner.*

Select 3 credits from the following:

- ANTH 103 Introduction to Cultural Anthropology (3 credits)
- EC 201 Introduction to Microeconomics (4 credits)
- EC 202 Introduction to Macroeconomics (4 credits)
- HDFS 200 Human Sexuality (3 credits)
- HDFS 201 Contemporary Families in the U.S. (3 credits)
- HE 210 Introduction to Health Services (3 credits)
- HE 225 Social & Individual Health Determinants (3 credits)
- HST 101 History of Western Civilization (3 credits)
- HST 102 History of Western Civilization (3 credits)
- HST 103 History of Western Civilization (3 credits)
- PS 201 Introduction to American Politics & Government (3 credits)
- PS 204 Introduction to Comparative Politics (3 credits)
- PS 205 Introduction to International Relations (3 credits)
- PSY 201 General Psychology (3 credits)
- PSY 202 General Psychology (3 credits)
- PSY 203 General Psychology (3 credits)
- PSY 231 Human Sexuality (3 credits)
- SOC 204 General Sociology (3 credits)
- SOC 205 General Sociology (3 credits)

Social Processes & Institutions

Credits Required 3

Western Culture Perspectives. Select 3 credits from the following:

- ART 204 History of Western Art (3 credits)
- ART 205 History of Western Art (3 credits)
- ART 206 History of Western Art (3 credits)
- EC 215 Economic Development of the U.S. (4 credits)
- ENG 107 Western World Literature: Classical (4 credits)
- ENG 109 Western World Literature: Modern (4 credits)
- ENG 110 Film Studies (3 credits)
- ENG 201 Shakespeare (4 credits)
- ENG 202 Shakespeare (4 credits)
- ENG 204 English Literature: Early (3 credits)
- ENG 205 English Literature: Middle (3 credits)
- ENG 206 English Literature: Modern (4 credits)
- ENG 253 American Literature: Early (4 credits)
- ENG 255 American Literature: Modern (4 credits)
- HST 101 History of Western Civilization (3 credits)
- HST 102 History of Western Civilization (3 credits)
- HST 103 History of Western Civilization (3 credits)
- HST 150 Science & Culture in the Western Tradition (3 credits)
- HST 201 U.S. History: Colonial & Revolutionary (3 credits)
- HST 202 U.S. History: Civil War & Reconstruction (3 credits)
- HST 203 U.S. History: Rise to World Power (3 credits)
- HUM 101 Intro to Humanities: Prehistory, Medievalism & Beyond (3 credits)
- HUM 102 Intro to Humanities: Renaissance, Faith & Reason (3 credits)
- HUM 103 Intro to Humanities: Modernism, Globalism & Info Age (3 credits)
- PHL 201 Introduction to Philosophy (3 credits)
- PHL 202 Elementary Ethics (3 credits)
- PHL 215 History of Western Philosophy (3 credits)

Western Culture Credits Required 3

Total General Education Credits Required43

Program Emphasis Requirements..... 47

Complete at least 47 credits based on program emphasis requirements. See specific program information. (Up to 12 professional technical credits may be included. Professional technical credits are professional technical courses that are required in state-approved professional technical programs.)

Total Credits Required: 90

For a list of LBCC Associate of Science degrees leading to OSU degrees, refer to the chart in the “Programs of Study” section of this catalog.

Appendix D

Liberal Arts Core Requirements for the Associate of Science Degree

Programs that have this requirement include: Art, Economics, English, Journalism and Mass Communication, Music, Social Science, Speech Communication, Technical Communications and Theater.

I. Select one course from the following:

ART	102, 115, 116, 131, 132, 133, 154, 181, 204, 205, 206, 207, 234, 261, 281, 284
MP	122/222, 131/231
MUS	105, 108, 161, 205
TA	145, 147, 180, 250
WR	241, 242

Credits Required 3

II. Select one course from the following:

ENG	All ENG except 199
HST	All HST except 198
HUM	101, 102, 103
PHL	201, 202, 215
R	101, 102, 103

Credits Required 3

III. Select one course from the following:

ANTH	210, 232
ENG	207, 208, 209
HST	157, 158, 159
R	103

Credits Required 3

IV. Select one course from the following:

ANTH	103, 210, 230, 232
EC	115, 201, 202, 215, 220
PS	201, 204, 205
PSY	101, 201, 202, 203, 215, 216, 231
SOC	204, 205, 206, 222

Credits Required 3

V. Select one additional course from previous categories I – IV.

Credits Required 3

Total Liberal Arts Core Credits Required..... 15

No credit may be used for more than one requirement.

Appendix E

Requirements for the Associate of General Studies Degree

1. Complete the 14 credits of general education requirements, 55 credits of general electives, and 21 credits of focused electives.
2. Complete a minimum of 90 credits.
3. Complete a minimum of 24 credits at Linn-Benton Community College.
4. Maintain a minimum accumulative grade point average of 2.00.

General Education Requirements

Courses numbered 0. (zero decimal) will not apply toward general education requirements.

Writing/Composition. Take the following course:

WR 121	English Composition (3 credits) (You must pass WR 115 with a "C" or better or attain an appropriate score on the Placement Test to enroll in WR 121.)
Writing/Composition Credits Required..... 3	

Communication. Select one communication course:

COMM 100	Introduction to Speech Communication (3 credits)
COMM 111	Fundamentals of Speech (3 credits)
COMM 112	Introduction to Persuasion (3 credits)
COMM 218	Interpersonal Communication (3 credits)
Communication Credits Required..... 3	

Mathematics. Take the classes listed below OR test into a higher level math course:

MTH 061	Survey of Math Fundamentals (3 credits) AND
MTH 063	Industrial Shop Math (1 credit) OR
Mathematics Credits Required..... 4	

Health & Physical Education. Select 4 credits. (Only one activity course may be taken twice to meet general education requirements, and no more than two activity courses per quarter will count toward general education requirements.)

HE 112	Emergency First Aid (1 credit)
HE 125	Occupational Safety & Health (3 credits)
HE 225	Social & Individual Health Determinants (3 credits)
HE 252	First Aid (3 credits)
HE 261	CPR (1 credit)
PE 185	Activity Courses (various courses for 1-2 credits)
PE 231	Lifetime Health & Fitness (3 credits)
Health & Physical Education Credits Required 4	

Total General Education Credits Required: 14

General Electives.

Select 55 general elective courses. General electives may include any combination of lower division transfer and/or career and technical education courses. All general electives must be collegiate-level courses.

General Electives Required..... 55

Focused Electives.

Choose Option 1 or Option 2. All focused electives must be collegiate-level courses.

Option 1 – focused exploration of Humanities/Arts, Social Science, and Math/Science.

Select 21 credits from the following categories, with a minimum of 3 credits from each group. To determine if a class may be applied toward fulfilling these requirements for the Associate of General Studies degree, look for the proper symbol in the "Course Descriptions" section of this catalog.

- The Humanities/Arts group:
Art, creative writing, foreign languages (200-level courses only), literature, music, philosophy, religion, theater
- The Social Science group:
History, psychology, sociology, political science, anthropology, economics
- The Math/Science group:
Mathematics, biology, botany, physical science, physics, zoology

Focused Elective Credits for Option 1..... 21

Option 2 – focused exploration in a career and technical area.

Select 21 credits of career and technical courses. Work with a career and technical program advisor to select appropriate courses that are from an approved career and technical program.

Focused Elective Credits for Option 2..... 21

Total Credits Required: 90

Appendix F

Requirements for the Oregon Transfer Module

Any student awarded an Oregon Transfer Module will have met the requirements for the Transfer Module at any Oregon community college or institution in the Oregon University System. Upon transfer, the receiving institution may specify additional coursework that is required for a major or for degree requirements or to make up the difference between the Transfer Module and the institution's total General Education requirements.

General Education Requirements

All courses must be completed with a grade of "C" or higher. Students must have a minimum cumulative GPA of 2.0 at the time the module is awarded.

Writing. Take two of the following writing courses:

WR 121	English Composition (3 credits) (You must have passed WR 115 with a grade of "C" or better or attained an appropriate score on the Placement Test to enroll in WR 121.)	
WR 122	English Composition: Argumentation & Style (3 credits)	
WR 123	English Composition: Research (3 credits)	
WR 227	Technical Writing (3 credits)	
	Writing Credits Required	6

Communication. Select one communication course from the following:

COMM 111	Fundamentals of Speech (3 credits)	
COMM 112	Introduction to Persuasion (3 credits)	
COMM 218	Interpersonal Communication (3 credits)	
	Communication Credits Required	3

Mathematics. Take the following math course or a higher level math course. The general education math may not be used to meet the Math/Science/Computer Science requirement.

MTH 105	Introduction to Contemporary Mathematics (4 credits)	
	College Level Mathematics Credits Required	4

Introduction to Disciplines. Listed below are the requirements for the Oregon Transfer Module. Additional courses may have been added since this catalog was published. Check with the Counseling Office.

Arts & Letters Courses. Select a minimum of three courses.

ART 102	Understanding Art (3 credits)
ART 204	History of Western Art (3 credits)
ART 205	History of Western Art (3 credits)
ART 206	History of Western Art (3 credits)
ART 261	Introduction to Photography (3 credits)
ART 264	Intermediate Black & White Photography (3 credits)
ART 266	Photography: Art & Technique (3 credits)
ENG 104	Literature: Fiction (3 credits)
ENG 106	Literature: Poetry (3 credits)
ENG 107	Western World Literature: Classical (4 credits)
ENG 109	Western World Literature: Modern (4 credits)
ENG 110	Film Studies (3 credits)
ENG 201	Shakespeare (4 credits)
ENG 202	Shakespeare (4 credits)
ENG 204	English Literature: Early (3 credits)
ENG 205	English Literature: Middle (3 credits)
ENG 206	English Literature: Modern (3 credits)
ENG 207	Non-Western World Literature: Asia (3 credits)
ENG 208	Non-Western World Literature: Africa (3 credits)
ENG 209	Non-Western World Literature: The Americas (3 credits)

ENG 220	Literature of American Minorities (3 credits)	
ENG 221	Children's Literature (3 credits)	
ENG 253	American Literature: Early (4 credits)	
ENG 255	American Literature: Modern (4 credits)	
ENG 261	Science Fiction (3 credits)	
HUM 101	Humanities: Prehistoric to Middle Ages (3 credits)	
HUM 102	Humanities: Renaissance Through the Enlightenment (3 credits)	
HUM 103	Humanities: The Romantic Era to Contemporary Society (3 credits)	
JN 134	Introduction to Photojournalism (3 credits)	
JN 201	Media & Society (4 credits)	
JN 216	News Reporting & Writing (3 credits)	
JN 217	Feature Writing (3 credits)	
MUS 101	Music Fundamentals (3 credits)	
MUS 105	Introduction to Rock Music (3 credits)	
MUS 161	Music Appreciation (3 credits)	
MUS 205	Introduction to Jazz (3 credits)	
SPN 201	Second-Year Spanish I (4 credits)	
SPN 202	Second-Year Spanish II (4 credits)	
SPN 203	Second-Year Spanish III (4 credits)	
TA 145	Improvisation (3 credits)	
TA 147	Introduction to Theater (3 credits)	
WR 240	Creative Writing: Nonfiction Workshop (3 credits)	
WR 241	Creative Writing: Short Fiction Workshop (3 credits)	
WR 242	Creative Writing: Poetry Workshop (3 credits)	
	Arts & Letters Credits Required	9
	Social Science Courses. Select a minimum of three courses:	
ANTH 103	Introduction to Cultural Anthropology (3 credits)	
ANTH 210	Comparative Cultures (3 credits)	
ANTH 230	Time Travelers (3 credits)	
ANTH 232	Native North Americans (3 credits)	
CJ 100	Survey of the Criminal Justice System (3 credits)	
CJ 101	Introduction to Criminology (3 credits)	
CJ 110	Introduction to Law Enforcement (3 credits)	
CJ 120	Introduction to Judicial Process (3 credits)	
CJ 130	Introduction to Corrections (3 credits)	
CJ 201	Juvenile Delinquency (3 credits)	
CJ 202	Violence & Aggression (3 credits)	
CJ 220	Introduction to Substantive Law (3 credits)	
CJ 226	Constitutional Law (3 credits)	
EC 115	Outline of Economics (4 credits)	
EC 201	Introduction to Microeconomics (4 credits)	
EC 202	Introduction to Macroeconomics (4 credits)	
EC 215	Economic Development in the U.S. (4 credits)	
EC 220	Contemporary U.S. Economic Issues: Discrimination (3 credits)	
GEOG 202	World Geography: Latin America & the Caribbean (3 credits)	
GEOG 203	World Geography: Asia (3 credits)	
HDFS 200	Human Sexuality (3 credits)	
HDFS 201	Contemporary Families in the U.S. (3 credits)	
HDFS 222	Partner & Family Relationships (3 credits)	
HDFS 225	Child Development (3 credits)	
HDFS 229	School Age & Adolescent Development (3 credits)	
HST 101	History of Western Civilization (3 credits)	
HST 102	History of Western Civilization (3 credits)	
HST 103	History of Western Civilization (3 credits)	
HST 157	History of Middle East & Africa (3 credits)	
HST 158	History of Latin America (3 credits)	
HST 159	History of Asia (3 credits)	
HST 201	U.S. History: Colonial & Revolutionary (3 credits)	
HST 202	U.S. History: Civil War & Reconstruction (3 credits)	
HST 203	U.S. History: Rise to World Power (3 credits)	
HST 240	War & the Modern World (3 credits)	
PHL 201	Introduction to Philosophy (3 credits)	
PHL 202	Elementary Ethics (3 credits)	
PHL 215	History of Western Philosophy (3 credits)	
PS 201	Introduction to American Politics & Government (3 credits)	

PS 204	Introduction to Comparative Politics (3 credits)
PS 205	Introduction to International Relations (3 credits)
PS 211	Peace & Conflict (3 credits)
PSY 101	Psychology & Human Relations (3 credits)
PSY 201	General Psychology (3 credits)
PSY 202	General Psychology (3 credits)
PSY 203	General Psychology (3 credits)
PSY 215	Introduction to Developmental Psychology (3 credits)
PSY 216	Social Psychology (3 credits)
PSY 219	Introduction to Abnormal Psychology (3 credits)
PSY 231	Human Sexuality (3 credits)
R 101	Introduction to Religious Studies (3 credits)
R 102	Religions of Western World (3 credits)
R 103	Religions of Eastern World (3 credits)
SOC 204	General Sociology (3 credits)
SOC 205	General Sociology (3 credits)
SOC 206	General Sociology (3 credits)

Social Science Credits Required 9

Science/Math/Computer Science Courses. *Select three courses, including at least one biological or physical science with a lab. Laboratory classes are indicated below with an asterisk (*).*

ANS 121	Introduction to Animal Science* (4 credits)
BI 101	General Biology* (4 credits)
BI 102	General Biology* (4 credits)
BI 103	General Biology* (4 credits)
BI 200	Principles of Ecology: Field Biology* (4 credits)
BI 211	Principles of Biology* (4 credits)
BI 212	Principles of Biology* (4 credits)
BI 213	Principles of Biology* (4 credits)
BI 231	Human Anatomy & Physiology* (5 credits)
BI 232	Human Anatomy & Physiology* (5 credits)
BI 233	Human Anatomy & Physiology* (5 credits)
BI 234	Microbiology* (4 credits)
CH 121	College Chemistry* (5 credits)
CH 122	College Chemistry* (5 credits)
CH 123	College Chemistry* (5 credits)
CH 221	General Chemistry* (5 credits)
CH 222	General Chemistry* (5 credits)
CH 223	General Chemistry* (5 credits)
CH 241	Organic Chemistry* (4 credits)
CH 242	Organic Chemistry* (4 credits)
CH 243	Organic Chemistry* (4 credits)
CS 161	Introduction to Computer Science I (4 credits)
CS 162	Introduction to Computer Science II (4 credits)
CS 261	Data Structures (4 credits)
FW 251	Principles of Wildlife Conservation (3 credits)
FW 252	Wildlife Resources: Birds* (4 credits)
G 101	Introduction to Geology* (4 credits)
G 102	Introduction to Geology* (4 credits)
G 103	Introduction to Geology* (4 credits)
GS 104	Physical Science: Principles of Physics* (4 credits)
GS 105	Physical Science: Principles of Chemistry* (4 credits)
GS 106	Physical Science: Principles of Earth Science* (4 credits)
GS 108	Oceanography* (4 credits)
GS 111	Forensic Science* (4 credits)
MTH 105	Introduction to Contemporary Math (4 credits)
MTH 111	College Algebra (5 credits)
MTH 112	Trigonometry (5 credits)
MTH 211	Fundamentals of Elementary Mathematics I (4 credits)
MTH 212	Fundamentals of Elementary Mathematics II (4 credits)
MTH 213	Fundamentals of Elementary Mathematics III (4 credits)
MTH 231	Elements of Discrete Math (4 credits)
MTH 232	Elements of Discrete Math (4 credits)
MTH 241	Calculus for Biological/Management/Social Sciences (4 credits)
MTH 243	Introduction to Statistics (4 credits)
MTH 245	Math for Biological/Management/Social Sciences (4 credits)
MTH 251	Differential Calculus (5 credits)

MTH 252	Integral Calculus (5 credits)
MTH 253	Calculus (4 credits)
MTH 254	Calculus (4 credits)
MTH 255	Vector Calculus (4 credits)
MTH 256	Applied Differential Equations (4 credits)
MTH 265	Statistics for Scientists & Engineers (4 credits)
PH 104	Descriptive Astronomy* (4 credits)
PH 201	General Physics* (5 credits)
PH 202	General Physics* (5 credits)
PH 203	General Physics* (5 credits)
PH 211	General Physics with Calculus* (5 credits)
PH 212	General Physics with Calculus* (5 credits)
PH 213	General Physics with Calculus* (5 credits)

Science/Math/Computer Science Credits

Required 11

Additional courses for a total of 45 credits.

Total Credits Required: 45