

Lower Division Major Preparation Articulation Agreement: 2014-2015 Catalog

The following tables are the assessments of the courses between Mission College and Cogswell Polytechnical College. This table will be used in assessing official transcripts from Ohlone College for transfer credit at Cogswell Polytechnical College.

To be considered for transfer, a course must be successfully completed with a grade of C or better. All coursework in this table will be considered lower division level.

These courses fulfill the competency requirements of the Cogswell Polytechnical College course shown; however, these courses may not fulfill the credit requirements for your program. To obtain an undergraduate degree at Cogswell Polytechnical College students are required to complete the courses specified (or their approved equivalent) as listed in the College Catalog.

Courses may change or be discontinued at any time at either College. The courses listed below are approved as of October 26, 2015.

B.A. Digital Arts and Animation: 3D Animation Concentration

Ohlone College			Cogswell Polytechnical College		
Course Code	Course Title	Sem. Credit	Course Code	Course Title	Sem. Units
ART104A	2D Design	3	DAA100	2D Design 1	3
ART104C	Color	3	DAA105	Color Theory	3
ART138B	Intermediate Photoshop	3	DAA106	Digital Imaging Concepts	3
ART106A	Descriptive Drawing	3	DAA110	Sketching	3
ART107A	Life Drawing	3	DAA115	Figure Drawing 1	3
ART107B	Life Drawing	3	DAA210	Figure Drawing 2	3
ART111A	Painting – Color and Composition	3	DAA120	Traditional Painting	3
ART139A	Beginning Digital Photography	3	DAA108	Introduction to Photography	3
MM-121A	3D Modeling	3	DAA240	Introduction to 3D Modeling	3
TD-110	Introduction to Acting	4	DAA200	Acting	3

B.A. Digital Arts and Animation: 3D Modeling Concentration

Ohlone College			Cogswell Polytechnical College		
Course Code	Course Title	Sem. Credit	Course Code	Course Title	Sem. Units
ART104A	2D Design	3	DAA100	2D Design 1	3
ART104C	Color	3	DAA105	Color Theory	3
ART138B	Intermediate Photoshop	3	DAA106	Digital Imaging Concepts	3
ART106A	Descriptive Drawing	3	DAA110	Sketching	3
ART107A	Life Drawing	3	DAA115	Figure Drawing 1	3
ART107B	Life Drawing	3	DAA210	Figure Drawing 2	3
ART111A	Painting – Color and Composition	3	DAA120	Traditional Painting	3
ART139A	Beginning Digital Photography	3	DAA108	Introduction to Photography	3
MM105	Web Site Design	4	DAA109	Web Design	3
MM-121A	3D Modeling	3	DAA240	Introduction to 3D Modeling	3

B.A. Digital Arts and Animation: Entertainment Design Concentration

Ohlone College			Cogswell Polytechnical College		
Course Code	Course Title	Sem. Credit	Course Code	Course Title	Sem. Units
ART104A	2D Design	3	DAA100	2D Design 1	3
ART104C	Color	3	DAA105	Color Theory	3

ART138B	Intermediate Photoshop	3	DAA106	Digital Imaging Concepts	3
ART106A	Descriptive Drawing	3	DAA110	Sketching	3
ART107A	Life Drawing	3	DAA115	Figure Drawing 1	3
ART107B	Life Drawing	3	DAA210	Figure Drawing 2	3
ART111A	Painting – Color and Composition	3	DAA120	Traditional Painting	3
ART139A	Beginning Digital Photography	3	DAA108	Introduction to Photography	3
MM105	Web Site Design	4	DAA109	Web Design	3
MM-121A	3D Modeling	3	DAA240	Introduction to 3D Modeling	3

B.S. Digital Arts Engineering

Ohlone College			Cogswell Polytechnical College		
Course Code	Course Title	Sem. Credit	Course Code	Course Title	Sem. Units
ART104A	2D Design	3	DAA100	2D Design 1	3
ART104C	Color	3	DAA105	Color Theory	3
ART106A	Descriptive Drawing	3	DAA110	Sketching	3
MM-121A	3D Modeling	3	DAA240	Introduction to 3D Modeling	3
CS170	Java Programming	4	SWE212	Java Programming	4
CNET147	UNIX/Linux Shell Scripting	4	SWE221	Linux Programming Environment	3
CS147	UNIX/Linux Shell Scripting				
CS116	Object-Oriented Programming Using C++	4	SWE285	C++ Programming: Object Oriented Programming	4

B.S. Digital Audio Technology: Audio and Music Production Concentration

Ohlone College			Cogswell Polytechnical College		
Course Code	Course Title	Sem. Credit	Course Code	Course Title	Sem. Units
MUS110A	Music Theory and Harmony	3	DAT102	Music Theory 1	3
MUS110B	Harmony	3	DAT107	Music Theory 2	3
MUS110C	Advanced Harmony	3	DAT202	Music Theory 3	3
MUS110D	Advanced Harmony	3	DAT207	Music Theory 4	3
BRDC132	Studio Recording	3	DAT220	Studio Recording 1	3
MUS113	Studio Recording	3			
MUS116	Sound Reinforcement and Live Recording	3	DAT208	Live Sound	3

B.S. Digital Audio Technology: Audio Software Development and Engineering Concentration

Ohlone College			Cogswell Polytechnical College		
Course Code	Course Title	Sem. Credit	Course Code	Course Title	Sem. Units
CS170	Java Programming	4	SWE212	Java Programming	4
CS116	Object-Oriented Programming Using C++	4	SWE285	C++ Programming: Object Oriented Programming	4

B.A. Digital Media Management

Ohlone College			Cogswell Polytechnical College		
Course Code	Course Title	Sem. Credit	Course Code	Course Title	Sem. Units
BA115	Career Communication	3	DMM120	Communicating for Success	3
BA125	Introduction to Business	3	DMM110	Beta Business From The Ground Up 1	3
BA137	Introduction to International Marketing	3	DMM141	Digital Media Marketing	3
BA141A	Business law	3	DMM125	Cover Your Assets	3

B.A. Game Design Art

Ohlone College			Cogswell Polytechnical College		
Course Code	Course Title	Sem. Credit	Course Code	Course Title	Sem. Units
ART104A	2D Design	3	DAA100	2D Design 1	3
ART104C	Color	3	DAA105	Color Theory	3
ART106A	Descriptive Drawing	3	DAA110	Sketching	3
ART107A	Life Drawing	3	DAA115	Figure Drawing 1	3
ART111A	Painting – Color and Composition	3	DAA120	Traditional Painting	3
ART138B	Intermediate Photoshop	3	DAA106	Digital Imaging Concepts	3
MM-121A	3D Modeling	3	DAA240	Introduction to 3D Modeling	3
MM-119	Video Game Development	3	GAM225	Introduction to Game Production	3

B.S. Game Design Engineering

Ohlone College			Cogswell Polytechnical College		
Course Code	Course Title	Sem. Credit	Course Code	Course Title	Sem. Units
ART104A	2D Design	3	DAA100	2D Design 1	3
ART138B	Intermediate Photoshop	3	DAA106	Digital Imaging Concepts	3
ART106A	Descriptive Drawing	3	DAA110	Sketching	3
MM-119	Video Game Development	3	GAM225	Introduction to Game Production	3
MM-121A	3D Modeling	3	DAA240	Introduction to 3D Modeling	3
CS116	Object-Oriented Programming Using C++	4	SWE285	C++ Programming: Object Oriented Programming	4

B.S. Software Engineering: Web and Mobile Concentration

Ohlone College			Cogswell Polytechnical College		
Course Code	Course Title	Sem. Credit	Course Code	Course Title	Sem. Units
CS174	Mobile App Programming in Android	4	SWE125	Introduction to Mobile Programming: iOS	3
CS170	Java Programming	4	SWE212	Java Programming	4
CNET147 CS147	UNIX/Linux Shell Scripting	4	SWE221	Linux Programming Environment	3
CS116	Object-Oriented Programming Using C++	4	SWE285	C++ Programming: Object Oriented Programming	4

B.S. Software Engineering: Software Development Concentration

Ohlone College			Cogswell Polytechnical College		
Course Code	Course Title	Sem. Credit	Course Code	Course Title	Sem. Units
CS174	Mobile App Programming in Android	4	SWE125	Introduction to Mobile Programming: iOS	3
CS170	Java Programming	4	SWE212	Java Programming	4
CNET147 CS147	UNIX/Linux Shell Scripting	4	SWE221	Linux Programming Environment	3
CS116	Object-Oriented Programming Using C++	4	SWE285	C++ Programming: Object Oriented Programming	4

For further information on Course Descriptions and Major Prerequisites visit <http://www.cogswell.edu/academics/catalog.php>
 More information on Ohlone College visit <http://www.ohlone.edu/>

General Education Transfer of Credit Articulation Agreement: 2014-2015 Catalog

The following tables describe how courses will be awarded to meet Cogswell Polytechnical College's general education requirements. This agreement will be used in assessing official transcripts from Ohlone College for transfer credit at Cogswell Polytechnical College.

To be considered for transfer, a course must be successfully completed with a grade of C or better. All coursework in this table will be considered lower division level.

These courses fulfill the competency requirements of the Cogswell Polytechnical College course shown; however, these courses may not fulfill the credit requirements for your program. To obtain an undergraduate degree at Cogswell Polytechnical College students are required to complete the courses specified (or their approved equivalent) as listed in the College Catalog.

Courses may change or be discontinued at any time at either College. The courses listed below are approved as of October 26, 2015.

Basic Skills – 9 Credits in 3 Areas			
<i>Ohlone College Course</i>	<i>Units</i>	<i>Cogswell Polytechnical College Course</i>	<i>Credits</i>
Written Communication			
ENGL101A Reading and Writing Composition	4	ENG100 English Composition	3
ENGL101B Reading and Composition (Introduction to Literature)	4	No equivalent course	3
Oral Communication			
SPCH101 Introduction to Public Speaking	3	No equivalent course	3
SPCH103 Interpersonal Communication		No equivalent course	3
SPCH106 Critical Thinking/Argumentation and Debate	3	No equivalent course	3
Critical Thinking			
ENGL101B Reading and Composition (Introduction to Literature)	4	No equivalent course	3
ENGL101C Critical Thinking and Composition	3	ENG110 Critical Thinking	3
ENGL167 Critical and Analytical Reading	3	No equivalent course	3
PHIL104 Logic	3	No equivalent course	3
PHIL107 Practical Reasoning	3	No equivalent course	3
SPCH102 Small Group Communication/Critical Thinking	3	No equivalent course	3
SPCH104 Critical Thinking/Persuasion	3	No equivalent course	3
SPCH106 Critical Thinking/Argumentation and Debate	3	No equivalent course	3
SPCH130 Oral Communication of Literature	3	No equivalent course	3

Humanities & Arts – 9 Credits in 3 Areas			
<i>Ohlone College Course</i>	<i>Units</i>	<i>Cogswell Polytechnical College Course</i>	<i>Credits</i>
Arts			
ART100 Survey of Arts	3	No equivalent course	3
ART101 Art: An Introduction	3	No equivalent course	3
ART103A Survey of World Art History-Prehistoric through 1300 C.E.	4	No equivalent course	3
ART103B Survey of World Art History-14 th Century Through 20 th Century	4	No equivalent course	3
ART103C Survey of Non-European Art	4	No equivalent course	3
ART131 History of Photography	3	No equivalent course	3
IS100 Survey of the Arts	3	No equivalent course	3
MUS100 Survey of the Arts	3	No equivalent course	3
MUS101 Music Appreciation: Western Classical Music	3	No equivalent course	3
MUS102 Music Appreciation	3	No equivalent course	3
MUS104 Music of World Cultures	3	No equivalent course	3
MUS121 The History of Jazz	3	No equivalent course	3

TD100 Survey of the Arts	3	No equivalent course	3
TD102 Introduction to Theatre Appreciation	3	No equivalent course	3
TD107 History of Film	3	No equivalent course	3

Letters

ARBC101A Elementary Arabic	5	No equivalent course	3
CHIN101A Elementary Mandarin Chinese I	5	No equivalent course	3
CHIN101B Elementary Mandarin Chinese II	5	No equivalent course	3
CHIN102A Intermediate Mandarin Chinese I	5	No equivalent course	3
CHIN102B Intermediate Mandarin Chinese II	5	No equivalent course	3
ENGL104 The Short Story	3	No equivalent course	3
ENGL106 Censorship and Literature	3	No equivalent course	3
ENGL107 Literature and Film	3	No equivalent course	3
ENGL109 The Graphic Novel	3	No equivalent course	3
ENGL111A Beginning Creative Writing	3	No equivalent course	3
ENGL111B Intermediate Creative Writing	3	No equivalent course	3
ENGL112 Modern Fiction	3	No equivalent course	3
ENGL113 Poetry	3	No equivalent course	3
ENGL114 World Mythology	3	No equivalent course	3
ENGL115 Women in Literature	3	No equivalent course	3
ENGL117 Science Fiction and Fantasy	3	No equivalent course	3
ENGL118 Introduction to Shakespeare	3	No equivalent course	3
ENGL119 The Gothic Novel	3	No equivalent course	3
ENGL120A Survey of American Literature: Beginning to 1865	3	No equivalent course	3
ENGL120B Survey of American Literature: 1865 to Present	3	No equivalent course	3
ENGL121 The Mystery: Unlocking Its Secrets	3	No equivalent course	3
ENGL122 Environmental Literature	3	No equivalent course	3
ENGL125A English Literature: From the Middle Ages to the Restoration/18 th Century	3	No equivalent course	3
ENGL125B English Literature: From Romanticism to Modernism	3	No equivalent course	3
ENGL129 Psychology and Literature	3	No equivalent course	3
ENGL130 American Stories: Multicultural Autobiography and Memoir	3	No equivalent course	3
ENGL131 Hip Hop/Slam Poetry	3	No equivalent course	3
ENGL141 Advanced Novel and Short Story Writing	3	No equivalent course	3
FREN101A Elementary French	5	No equivalent course	3
FREN101B Elementary French	5	No equivalent course	3
FREN102A Intermediate French	5	No equivalent course	3
FREN102B Intermediate French	5	No equivalent course	3
WS115 Women in Literature	3	No equivalent course	3
JPNS101A Elementary Japanese	5	No equivalent course	3
JPNS101B Elementary Japanese	5	No equivalent course	3
JPNS102A Intermediate Japanese	5	No equivalent course	3
JPNS102B Intermediate Japanese	5	No equivalent course	3
SPAN101A Elementary Spanish	5	No equivalent course	3
SPAN101B Elementary Spanish	5	No equivalent course	3
SPAN102A Intermediate Spanish	5	No equivalent course	3
SPAN102B Intermediate Spanish	5	No equivalent course	3

Written Communication II

ENGL104 The Short Story	3	No equivalent course	3
ENGL106 Censorship and Literature	3	No equivalent course	3
ENGL107 Literature and Film	3	No equivalent course	3
ENGL109 The Graphic Novel	3	No equivalent course	3
ENGL111A Beginning Creative Writing	3	ENG228 Creative Writing	3
ENGL111B Intermediate Creative Writing	3	No equivalent course	3
ENGL131 Hip Hop/Slam Poetry	3	No equivalent course	3
ENGL141 Advanced Novel and Short Story Writing	3	No equivalent course	3
JOUR101A Newswriting	3	No equivalent course	3
JOUR106 Censorship and Literature	3	No equivalent course	3

Social Sciences – 12 Credits in 3 Areas*

<i>Ohlone College Course</i>	<i>Units</i>	<i>Cogswell Polytechnical College Course</i>	<i>Credits</i>
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Human Behavior

BRDC155 Mass Media and Society	3	No equivalent course	3
ECS301 Childhood Growth and Development	3	No equivalent course	3
ECS303 Child, Family, and Community	3	No equivalent course	3
ENGL129 Psychology and Literature	3	No equivalent course	3
JOUR155 Mass Media and Society	3	No equivalent course	3
PSY101 General Psychology	3	SSC180 Introduction to Psychology	3
PSY102 Introduction to Experimental Psychology	3	No equivalent course	3
PSY105 Child Development	3	No equivalent course	3
PSY106 Adolescent Development	3	No equivalent course	3
PSY108 Human Development	3	No equivalent course	3
PSY112 Social Psychology	3	No equivalent course	3
PSY115 Abnormal Psychology	3	No equivalent course	3
PSY120 Biological Psychology	3	No equivalent course	3

Comparative Systems

AJ121 Constitutional Law and the United States	3	No equivalent course	3
ANTH102 Cultural Anthropology	3	No equivalent course	3
ANTH107 Introduction to Linguistics Anthropology	3	No equivalent course	3
CHS101 Chicano/Latino Culture	3	No equivalent course	3
CHS102A Chicana/o History I	3	No equivalent course	3
CHS102B Chicana/o History II	3	No equivalent course	3
WS120 Women of the Western World	3	No equivalent course	3
WS132 Introduction to US Muslim Women and Islam	3	No equivalent course	3
GEOG102 Cultural Geography	3	No equivalent course	3
HIST102A Chicana/o History I	3	No equivalent course	3
HIST102B Chicana/o History II	3	No equivalent course	3
HIST104A Western Civilization with a World Perspective Until 1600	3	No equivalent course	3
HIST104B Western Civilization with a World Perspective From 1600	3	No equivalent course	3
HIST105 History of California	3	No equivalent course	3
HIST106A World History to 1500	3	No equivalent course	3
HIST106B World History Since 1500	3	No equivalent course	3
HIST107 History of Film	3	No equivalent course	3
HIST114A African American History 1619-1877	3	No equivalent course	3
HIST114B African American History 1877 to Present	3	No equivalent course	3
HIST115 Asian-American History	3	No equivalent course	3
HIST117A History of the United States	3	No equivalent course	3
HIST117B History of the United States	3	No equivalent course	3
HIST118 Contemporary U.S. History: 1945	3	No equivalent course	3
HIST119A Bad Girls: Women in America Before 1890	3	No equivalent course	3
HIST119B Bad Girls: Women in American From 1890	3	No equivalent course	3
HIST141 A History of Early Rock and Roll: Music and Culture of the 1950's	3	No equivalent course	3
HIST142 History of Rock and Roll: Music and Culture of the 1960's	3	No equivalent course	3
HIST143 History of Rock and Roll: Music and Culture Since 1970	3	No equivalent course	3
MUS122 A History of Early Rock and Roll: Music and Culture of the 1950's	3	No equivalent course	3
MUS123 History of Rock and Roll: Music and Culture of the 1960's	3	No equivalent course	3
MUS125 History of Rock and Roll: Music and Culture Since 1970	3	No equivalent course	3
PHIL100 Introduction to Philosophy	3	No equivalent course	3
PHIL101 Ancient Philosophy	3	No equivalent course	3
PHIL102 Modern Philosophy	3	No equivalent course	3
PHIL106 Ethics	3	No equivalent course	3
PHIL109A Understanding the Old Testament	3	No equivalent course	3
PHIL109B Understanding the New Testament	3	No equivalent course	3

PHIL110 Introduction to Asian Religions	3	No equivalent course	3
PHIL112 Introduction to Western Religions	3	No equivalent course	3
PHIL114 Introduction to Islam	3	No equivalent course	3
PHIL118 Latin American Philosophy	3	No equivalent course	3
PS102 American Government	3	SSC200 U.S. Government	3
PS103 International Relations	3	No equivalent course	3
PS104 Introduction to Political Theory	3	No equivalent course	3
PS105 Comparative Government	3	No equivalent course	3
PS106 Constitutional Law and the United States	3	No equivalent course	3
Social Issues			
ANTH102 Cultural Anthropology	3	No equivalent course	3
ANTH103 Introduction to Archaeology	3	No equivalent course	3
ANTH104 Survey of North American Indian Cultures	3	No equivalent course	3
ANTH106 Magic, Witchcraft, and Religion	3	No equivalent course	3
ANTH107 Introduction to Linguistics Anthropology	3	No equivalent course	3
BA102A Principles of Economics-Macroeconomics	3	No equivalent course	3
BA102B Principles of Economics-Microeconomics	3	No equivalent course	3
CHS101 Chicano/Latino Culture	3	No equivalent course	3
CHS102A Chicana/o History I	3	No equivalent course	3
CHS102B Chicana/o History II	3	No equivalent course	3
WS101 Introduction to Gender and Women's Studies	3	No equivalent course	3
WS108 Gender Communication	3	No equivalent course	3
WS120 Women of the Western World	3	No equivalent course	3
WS132 Introduction to US Muslim Women and Islam	3	No equivalent course	3
HIST102A Chicana/o History I	3	No equivalent course	3
HIST102B Chicana/o History II	3	No equivalent course	3
HIST104A Western Civilization with a World Perspective Until 1600	3	No equivalent course	3
HIST104B Western Civilization with a World Perspective From 1600	3	No equivalent course	3
HIST105 History of California	3	No equivalent course	3
HIST106A World History to 1500	3	No equivalent course	3
HIST106B World History Since 1500	3	No equivalent course	3
HIST107 History of Film	3	No equivalent course	3
HIST114A African American History 1619-1877	3	No equivalent course	3
HIST114B African American History 1877 to Present	3	No equivalent course	3
HIST115 Asian-American History	3	No equivalent course	3
HIST117A History of the United States	3	No equivalent course	3
HIST117B History of the United States	3	No equivalent course	3
HIST118 Contemporary U.S. History: 1945	3	No equivalent course	3
HIST119A Bad Girls: Women in America Before 1890	3	No equivalent course	3
HIST119B Bad Girls: Women in American From 1890	3	No equivalent course	3
HIST141 A History of Early Rock and Roll: Music and Culture of the 1950's	3	No equivalent course	3
HIST142 History of Rock and Roll: Music and Culture of the 1960's	3	No equivalent course	3
HIST143 History of Rock and Roll: Music and Culture Since 1970	3	No equivalent course	3
IS110 Introduction to Ethnic Studies	3	No equivalent course	3
IS120 Women of the Western World	3	No equivalent course	3
IS142 A History of Early Rock and Roll: Music and Culture of the 1950's	3	No equivalent course	3
IS143 History of Rock and Roll: Music and Culture of the 1960's	3	No equivalent course	3
MUS122 A History of Early Rock and Roll: Music and Culture of the 1950's	3	No equivalent course	3
MUS123 History of Rock and Roll: Music and Culture of the 1960's	3	No equivalent course	3
MUS125 History of Rock and Roll: Music and Culture Since 1970	3	No equivalent course	3
PHIL116 Bioethics	3	No equivalent course	3
PHIL118 Latin American Philosophy	3	No equivalent course	3
PS102 American Government	3	SSC200 U.S. Government	3
PS103 International Relations	3	No equivalent course	3
PS104 Introduction to Political Theory	3	No equivalent course	3

PS105 Comparative Government	3	No equivalent course	3
PS106 Constitutional Law and the United States	3	No equivalent course	3
SOC101 Introduction to Sociology	3	No equivalent course	3
SOC102 Social Problems of a Diverse Society	3	No equivalent course	3
SOC103 Social Science Research Methods	3	No equivalent course	3
SOC105 Marriage and Family	3	No equivalent course	3
SOC106 Chicano/Latino Culture	3	No equivalent course	3

*Students will need to earn three (3) credits in each category (e.g., Human Behavior, Comparative Systems, and Social Issues) to satisfy nine (9) credits. Student must then chose to complete another three (3) credits in any of the three categories.

Mathematics & The Sciences for Non-Engineering – 9 Credits in 2 Areas			
<i>Ohlone College Course</i>	<i>Units</i>	<i>Cogswell Polytechnical College Course</i>	<i>Credits</i>

Mathematical Concepts & Quantitative Reasoning

MATH152 Algebra II, and MATH181 Trigonometry	5 3	MATH115 College Algebra and Trigonometry	3
MATH188 Pre-Calculus	5	MATH116 Pre-calculus	4
MATH101A Calculus with Analytic Geometry	5	MATH143 Calculus 1	4

Physical & Biological Sciences*

ASTR101A/102 General Astronomy of the Solar System/Lab	3/1	No equivalent course	3
ASTR101B/102 General Astronomy Beyond the Solar System/Lab	3/1	No equivalent course	3
BIOL101A Principles of Biology – Molecular and Cellular	5	No equivalent course	3
BIOL101B Principles of Biology – Organisms and Systems	5	No equivalent course	3
BIOL103A Human Anatomy and Physiology	4	SCI130 Basic Concepts of Anatomy & Physiology	3
BOIL103B Human Anatomy and Physiology	4	No equivalent course	3
BIOL104 Basic Human Anatomy and Physiology	4	No equivalent course	3
BIOL106 Microbiology	5	No equivalent course	3
BIOL114 Introduction to Plant Biology	3	No equivalent course	3
BIOL130 Introduction to Biology	4	No equivalent course	3
BIOL140 Sierra Nevada Natural History	3	No equivalent course	3
BIOL142 Environmental Biology	4	No equivalent course	3
BIOT114 Introduction to Plant Biology	3	No equivalent course	3
CHEM101A General Chemistry	5	No equivalent course	3
CHEM101B General Chemistry	5	No equivalent course	3
CHEM102 Preparation for General Chemistry	4	No equivalent course	3
CHEM112A Organic Chemistry	5	No equivalent course	3
CHEM112B Organic Chemistry	5	No equivalent course	3
GEO1101 Introduction to Geology	4	No equivalent course	3
PHYS108 Survey of Physics	3	SCI100 Basic Concepts of Physics	3
PHYS120/A Introduction to Physics I/Calculus Supplement	5	No equivalent course	4
PHYS121/A Introduction to Physics II/Calculus Supplement	5	SCI200 General Science: Principles and Trends	3
PHYS140 Mechanics	4	SCI145 College Physics	4
PHYS141 Electricity and Magnetism	4	SCI245 College Physics 2*	4

*PHYSICAL & BIOLOGICAL SCIENCES: Students in a Digital Audio Technology program who have not completed a physics course will be required to take a physics course to meet pre-requisite coursework for secondary science course in program of study.

Mathematics & The Sciences for Engineering – 9 Credits in 2 Areas			
<i>Ohlone College Course</i>	<i>Units</i>	<i>Cogswell Polytechnical College Course</i>	<i>Credits</i>

Mathematical Concepts & Quantitative Reasoning

MATH101A Calculus with Analytic Geometry	5	MATH143 Calculus 1	4
MATH101B Calculus with Analytic Geometry	5	MATH144 Calculus 2	3
MATH101C Calculus with Analytic Geometry	5	MATH245 Calculus 3	3

Physical & Biological Sciences*

PHYS121/A Introduction to Physics II/Calculus Supplement	5	SCI200 General Science: Principles and Trends	4
PHYS140 Mechanics	4	SCI145 College Physics 1 *	4
PHYS141 Electricity and Magnetism	4	SCI245 College Physics 2*	4

*PHYSICAL & BIOLOGICAL SCIENCES: Students in an engineering program may have different additional mathematic and physical sciences requirements. Those students should consult with the Program Director or review the curriculum outline for Cogswell Polytechnical College.

For further information on Course Descriptions and Major Prerequisites visit <http://www.cogswell.edu/academics/catalog.php>
More information on Ohlone College visit <http://www.ohlone.edu>

Articulation Agreement Updated: 10/26/2015

Approved by: David Noriega, Articulation Officer, dnoriega@cogswell.edu