



Appendices

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APPENDIX I Transfer Module

The Ohio Board of Regents Transfer and Articulation Policy established a transfer module for Ohio colleges and universities. The Transfer Module represents a subset of courses from among the general education requirements of the Associate of Arts (A.A.), Associate of Science (A.S.) and baccalaureate degrees at many institutions. Applied degree students may choose to go beyond the general education requirements of their program and complete additional courses for the transfer module. Transfer students with an earned A.A. or A.S. degree which contains an identifiable Transfer Module will have met the Transfer Module requirements of the receiving institution. The application of transfer work to general education requirements which go beyond those contained in the Transfer Module will be done on a course-by-course basis. Individual courses that are part of an approved Transfer Module are guaranteed to transfer among public institutions of higher education on a course-by-course basis. Students will receive credit for successfully completed courses from the Transfer Module without completing the entire module.

Ohio Articulation Number (OAN)

Pre-major courses that represent the commonly accepted pathway to majors within the Bachelor's degree (Transfer

Assurance Guides-TAGs) have been reviewed by statewide faculty committees. Courses or course sequences meeting established Learning Outcome standards are assigned a discipline specific Ohio Articulation Number (OAN). When consensus is established and a course is noted with both the colleges or universities departmental designation and the assigned Ohio Articulation Number (OAN), students are assured not only of the equivalency of the courses, but of their application to the degree objective. A complete listing of Cuyahoga Community Colleges OAN approved courses can be found in Appendix III and at <http://regents.ohio.gov/transfer/tagcourses/index.php>

Courses within the Transfer Module may also be part of an approved Transfer Assurance Guide (TAG). OAN Numbers are listed below for courses that are also part of an approved TAG.

Note: The required minimum credits of the Transfer Module should be completed from the remaining courses on the list below, including interdisciplinary courses. Students should meet with a counselor to assure that courses selected are most appropriate for the major and the transfer college or university selected, and that courses are consistent with the minimum graduation requirements of Cuyahoga Community College.

English Composition: minimum of three semester hours with an emphasis on written composition

ENG-1010	College Composition I	3 Cr.
ENG-101H	Honors College Composition I	3 Cr.
ENG-1020	College Composition II	3 Cr.
ENG-102H	Honors College Composition II	3 Cr.

Mathematics: minimum of three semester hours

MATH-1360	Technical Mathematics II	5 Cr.
MATH-1410	Elementary Probability and Statistics I	3 Cr.
MATH-1420	Elementary Probability and Statistics II	3 Cr.
MATH-1470	Modern Mathematics for Business/Social Sciences I	4 Cr.
MATH-1480	Modern Mathematics for Business/Social Sciences II	4 Cr.
MATH-1510	Trigonometry	3 Cr.
MATH-1521	College Algebra	4 Cr.
MATH-1580	Pre-Calculus	5 Cr.
MATH-1610	Calculus I <i>OAN Approved: OMT 005</i>	5 Cr.
MATH-161H	Honors Calculus I	5 Cr.
MATH-1620	Calculus II <i>OAN Approved: OMT 006</i>	5 Cr.
MATH-162H	Honors Calculus II	5 Cr.
MATH-2010	Introduction to Discrete Mathematics	4 Cr.

MATH-2310	Calculus III <i>OAN Approved: OMT 007</i>	4 Cr.
MATH-231H	Honors Calculus III	4 Cr.
MATH-2410	Introduction to Linear Algebra <i>OAN Approved: OMT 008</i>	3 Cr.
MATH-2520	Differential Equations <i>OAN Approved: OMT 009</i>	3 Cr.

Arts and Humanities: minimum of six semester hours; select from at least two areas

ART-1010	Art Appreciation	3 Cr.
ART-2020 (formerly ART-1020)	Art History Survey: Prehistoric to Renaissance <i>OAN Approved: OAH005(course 1 of 2, both must be taken)</i>	3 Cr.
ART-2030 (formerly ART-1030)	Art History Survey: Late Renaissance to Present <i>OAN Approved: OAH005(course 2 of 2, both must be taken)</i>	3 Cr.
ART-1040	Survey of Non-Western Art	3 Cr.

DANC-1100	Dance Appreciation	3 Cr.
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ENG-2310	American Literature I <i>OAN Approved: OAH 053</i>	3 Cr.
ENG-2320	American Literature II <i>OAN Approved: OAH 054</i>	3 Cr.
ENG-2350	British Literature I <i>OAN Approved: OAH 055</i>	3 Cr.
ENG-2360	British Literature II <i>OAN Approved: OAH 056</i>	3 Cr.
ENG-2410	Introduction to Literature: Poetry	3 Cr.
ENG-2420	Introduction to Literature: Fiction	3 Cr.
ENG-2430	Introduction to Literature: Drama	3 Cr.
ENG-2510	African-American Literature I	3 Cr.
ENG-2520	African-American Literature II	3 Cr.
ENG-2601 (formerly ENG-2600)	Literature for Children and Adolescents	3 Cr.
ENG-2700	World Literature	3 Cr.
ENG-2710	Shakespeare	3 Cr.
ENG-2720	Survey of Biblical Literature	3 Cr.
ENG-2730	Exploration of World Mythology	3 Cr.

HUM-1010	Introduction to Humanities	3 Cr.
HUM-1020	The Individual in Society	3 Cr.
HUM-1030	The Individual in the Cosmos	3 Cr.

Appendix I: Transfer Module

Arts and Humanities (Continued)

JMC-1210 (formerly JMC-2210)	Introduction to Radio and Television	3 Cr
JMC-1310	Film Appreciation	3 Cr.

MUS-1010	Survey of European Classical Music	3 Cr.
MUS-1020	Survey of Jazz	3 Cr.
MUS-1030	Survey of Rock and Roll	3 Cr.
MUS-1040	Survey of African-American Music	3 Cr.
MUS-1050	Survey of World Music	3 Cr.
MUS-2500	Music History and Literature I	3 Cr.
MUS-2510	Music History and Literature II	3 Cr.
MUS-2520	Jazz History I	2 Cr.
MUS-2530	Jazz History II	2 Cr.

PHIL-1000	Critical Thinking	3 Cr.
PHIL-1010	Introduction to Philosophy <i>OAN Approved: OAH045</i>	3 Cr.
PHIL-101H	Honors Introduction to Philosophy	3 Cr.
PHIL-1020	Introduction to Logic	3 Cr.
PHIL-2010	Comparative World Religions	3 Cr.
PHIL-2020	Ethics <i>OAN Approved: OAH046</i>	3 Cr.
PHIL-202H	Honors Ethics	3 Cr.
PHIL-2031 (formerly PHIL-2030)	Philosophy of Science	3 Cr.
PHIL-2040	Philosophy of Art	3 Cr.
PHIL-2050	Bioethics	3 Cr.

REL-1010	Introduction to Religious Studies	3 Cr.
REL-2010	Religious Traditions of Western Christianity	3 Cr.
REL-2020	Religious Traditions of Judaism	3 Cr.
REL-2030	Religious Traditions of Islam	3 Cr.
REL-2040	Religious Traditions of India	3 Cr.
REL-2050	Religious Traditions of China and Japan	3 Cr.
REL-2060	African-American Religious Experience	3 Cr.

THEA-1010	Theatre Appreciation	3 Cr.
THEA-1100	Survey and Appreciation of American Musical Theatre	3 Cr.
THEA-2210 (formerly THEA-1210)	History of Theatre and Drama I	3 Cr.
THEA-2220 (formerly THEA-1220)	History of Theatre and Drama II	3 Cr.

Social and Behavioral Sciences: minimum of six semester hours; select from at least two areas

ANTH-1010	Cultural Anthropology <i>OAN Approved: OSS001</i>	3 Cr.
ANTH-1020	Physical Anthropology <i>OAN Approved: OSS002</i>	3 Cr.
ANTH-1030	Archaeology <i>OAN Approved: OSS003</i>	3 Cr.
ANTH-2010	Peoples and Cultures of the World	3 Cr.

ECON-1210	Survey of Economics	3 Cr.
ECON-1220	Economic Development of the American Economy	3 Cr.
ECON-2610 (formerly ECON-1610)	Principles of Macroeconomics <i>OAN Approved: OSS 005</i>	4 Cr.
ECON-2620 (formerly ECON-1620)	Principles of Microeconomics <i>OAN Approved: OSS 004</i>	4 Cr.

GEOG-1010	World Regional Geography <i>OAN Approved: OSS 008</i>	3 Cr.
GEOG-1030	Environmental Geography	3 Cr.
GEOG-1050	Africans in the Americas	3 Cr.
GEOG-1510	Regional Geography of the United States and Canada	3 Cr.

HIST-1010	History of Civilization I <i>OAN Approved: OHS 041</i>	3 Cr.
HIST-101H	Honors History of Civilization I	3 Cr.
HIST-1020	History of Civilization II <i>OAN Approved: OHS 042</i>	3 Cr.
HIST-102H	Honors History of Civilization II	3 Cr.
HIST-1510	United States History to 1877 <i>OAN Approved: OHS 043</i>	3 Cr.
HIST-151H	Honors United States History to 1877	3 Cr.
HIST-1520	United States History Since 1877 <i>OAN Approved: OHS 044</i>	3 Cr.
HIST-152H	Honors United States History Since 1877	3 Cr.
HIST-1610	American Studies	3 Cr.
HIST-1630	History of Immigration in America	3 Cr.
HIST-1700	History of Africa	3 Cr.
HIST-2030	Islamic History	3 Cr.
HIST-2050	History of Russia to 1917	3 Cr.
HIST-2060	Modern Russian History and Politics	3 Cr.
HIST-2070	African-American Women in History	3 Cr.
HIST-2150 (formerly HIST-1710)	African History to 1877	3 Cr.
HIST-2160 (formerly HIST-1720)	African History 1877- Present	3 Cr.
HIST-2660	Women in American History	3 Cr.

Social and Behavioral Sciences (Continued)

POL-1010	American National Government <i>OAN Approved: OSS 011</i>	3 Cr.
POL-1020	State and Local Government <i>OAN Approved: OSS 014</i>	3 Cr.
POL-2030 (formerly POL-1030)	Comparative Government	3 Cr.
POL-2060	Political Systems of Africa	3 Cr.
POL-2070 (formerly POL-1070)	International Relations <i>OAN Approved: OSS 012</i>	3 Cr.
POL-2100 (formerly POL-1100)	Constitutional Law	3 Cr.

PSY-1010	General Psychology <i>OAN Approved: OSS015</i>	3 Cr.
PSY-101H	Honors General Psychology	3 Cr.
PSY-1050	Introduction to Industrial/Organizational Psychology	3 Cr.
PSY-2010	Child Growth and Development <i>OAN Approved: OSS 045</i>	3 Cr.
PSY-2020	Life Span Development <i>OAN Approved: OSS 048</i>	4 Cr.
PSY-2040	Social Psychology <i>OAN Approved: OSS016</i>	3 Cr.
PSY-2050	Psychology of Personality <i>OAN Approved: OSS 018</i>	3 Cr.
PSY-2060	Adolescent Psychology <i>OAN Approved: OSS 046</i>	3 Cr.
PSY-2080	Abnormal Psychology <i>OAN Approved: OSS 017</i>	3 Cr.
PSY-2100	Introduction to Aging <i>OAN Approved: OSS047</i>	3 Cr.
PSY-2110 (formerly PSY-2030)	Educational Psychology <i>OAN Approved: OED 003</i>	3 Cr.

SOC-1010	Introductory Sociology <i>OAN Approved: OSS 021</i>	3 Cr.
SOC-1020	Social Institutions	3 Cr.
SOC-1210	Sociology of the Family <i>OAN Approved: OSS023</i>	3 Cr.
SOC-2010	Social Problems <i>OAN Approved: OSS025</i>	3 Cr.
SOC-201H	Honors Social Problems	3 Cr.
SOC-2100	Aging and Society	3 Cr.
SOC-2110	Death and Dying	3 Cr.
SOC-2310	Contemporary American Black-White Relations	3 Cr.
SOC-2510	Urban Sociology	3 Cr.
SOC-2550	Race and Ethnic Relations <i>OAN Approved: OSS024</i>	3 Cr.

Social and Behavioral Sciences (Continued)

UST-1010	Introduction to Urban Studies	3 Cr.
UST-1020	Urban Geography	3 Cr.
UST-2020	Urban Cultures	3 Cr.
UST-2070	Urban Politics	3 Cr.
UST-2640	American Urban History	3 Cr.
WST-1510	Introduction to Women's Studies	3 Cr.
WST-2010	Women in the World	3 Cr.

Natural and Physical Sciences: minimum of six semester hours; one of the courses must be a lab course

BIO-1040	The Cell and DNA	3 Cr.
BIO-104L	The Cell and DNA Laboratory	1 Cr.
BIO-1050	Human Biology	3 Cr.
BIO-105L	Human Biology Laboratory	1 Cr.
BIO-1060	Environment, Ecology, and Evolution	3 Cr.
BIO-106L	Environment, Ecology, and Evolution Laboratory	1 Cr.
BIO-1100	Introduction to Biological Chemistry	3 Cr.
BIO-1410	Anatomy and Physiology of Domestic Animals I	4 Cr.
BIO-1420	Anatomy and Physiology of Domestic Animals II	4 Cr.
BIO-1500	Principles of Biology I <i>OAN Approved: OSC003</i>	4 Cr.
BIO-1510	Principles of Biology II <i>OAN Approval: OSC004</i>	4 Cr.
BIO-2060	Principles of Genetics	3 Cr.
BIO-2150	Environmental Science	3 Cr.
BIO-2330 (formerly BIO-1430)	Anatomy and Physiology I	4 Cr.
BIO-2340 (formerly BIO-1440)	Anatomy and Physiology II	4 Cr.
BIO-2500	Microbiology	4 Cr.

CHEM-1010	Introduction to Inorganic Chemistry	4 Cr.
CHEM-1020	Introduction to Organic Chemistry and Biochemistry	4 Cr.
CHEM-1300	General Chemistry I <i>OAN approved OSC008 (Course 1 of 2)</i>	4 Cr.
CHEM-130H	Honors General Chemistry	5 Cr.
CHEM-130L	General Chemistry Laboratory I <i>OAN approved OSC008 (Course 2 of 2)</i>	1 Cr.
CHEM-1310	General Chemistry II <i>OAN Approved: OSC009 (Course 1 of 2)</i>	4 Cr.
CHEM-131L	General Chemistry Laboratory II <i>OAN Approved: OSC009 (Course 2 of 2)</i>	1 Cr.

ESCI-1310	Physical Geography <i>OAN Approved: OSS 006</i>	3 Cr.
ESCI-131L	Laboratory in Physical Geography	1 Cr.
ESCI-1410	Physical Geology <i>OAN Approved: OSC011 (Course 1 of 2)</i>	3 Cr.
ESCI-141H	Honors Physical Geology	3 Cr.

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ESCI-141L	Laboratory in Physical Geology <i>OAN Approved: OSC011 (Course 2 of 2)</i>	1 Cr.
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ESCI-1510	Historical Geology <i>OAN Approved: OSC012 (Course 1 of 2)</i>	3 Cr.
ESCI-151L	Laboratory in Historical Geology <i>OAN Approved: OSC012 (Course 2 of 2)</i>	1 Cr.
ESCI-1610	Geology of the National Parks	3 Cr.
ESCI-161L	Laboratory in Geology of the National Parks	1 Cr.
ESCI-2300	Introduction to the Science of Ecosystems	3 Cr.

PHYS-1050	Everyday Physics	2 Cr.
PHYS-1210	College Physics I <i>OAN Approved: OSC014</i>	4 Cr.
PHYS-1220	College Physics II <i>OAN Approved: OSC015</i>	4 Cr.
PHYS-2310	General Physics I <i>OAN Approved: OSC016</i>	5 Cr.
PHYS-2320	General Physics II <i>OAN Approved: OSC017</i>	5 Cr.
PHYS-2400	Modern Physics	3 Cr.

PSCI-1010	Astronomy	3 Cr.
PSCI-101L	Astronomy Laboratory	1 Cr.
PSCI-1020	Chemistry	3 Cr.
PSCI-102L	Chemistry Laboratory	1 Cr.
PSCI-1030	Earth	3 Cr.
PSCI-103L	Earth Laboratory	1 Cr.

Oral Communication:

SPCH-1010	Fundamentals of Speech <i>OAN Approved: OCM 004</i>	3 Cr.
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APPENDIX II Transfer Assurance Guides

Ohio Transfer Initiatives

The State of Ohio through the leadership of the Ohio Board of Regents has established a coherent statewide policy intended to facilitate a student's ability to complete their highest level of educational goal achievement seamlessly within Ohio's postsecondary educational system. To that end, the Ohio Articulation and Transfer policy: www.regents.ohio.gov/transfer/policy/index.php was developed to facilitate the transfer of students and credits from any state-assisted college or university to another. It encourages faculty recognition of comparable and compatible learning experiences and expectations across institutions. It also encourages students to complete "units" of educational experience as they progress [e.g. transfer assurance guides, transfer modules, associate and baccalaureate degrees].

Transfer Assurance Guides

Statewide Transfer Assurance Guides (TAGs) are composed of General Education Courses (Transfer Module courses) and specified courses required for the academic major. A TAG as an advising tool can assist Ohio college and college bound students planning specific majors to make course selections that will ensure comparable, compatible, and equivalent learning experiences across the state's higher-education system. TAGs apply across, at least, all public higher education institutions in Ohio and embody commonly accepted pathways to majors within the Bachelor's degree. TAG

approved courses are assigned an Ohio Articulated Number (OAN) and are accepted and applied to the major at all Ohio public colleges and universities. Major specific TAG pathways in the arts, humanities, business, communication, education, health, mathematics, science, engineering, engineering technologies, and the social sciences have been developed by faculty teams. Additional information on specific Transfer Assurance Guides can be found on the Ohio Board of Regents Web site: www.regents.ohio.gov/transfer/tags/index.php

TAGs enable students to make informed course selection decisions and plans for their future transfer. Advisors at the institution to which a student wishes to transfer should also be consulted during the transfer process. Because of specific major requirements, early identification of the intended major is encouraged.

Ohio Articulation Number (OAN)

Pre-major courses that represent the commonly accepted pathway to majors within the Bachelor's degree (TAGs) have been reviewed by statewide faculty committees. Courses or course sequences meeting established Learning Outcome standards are assigned a discipline specific Ohio Articulation Number-(OAN). When consensus is established and a course is noted with both the colleges or universities departmental designation and the assigned Ohio Articulation Number (OAN), students are assured not only of the equivalency of the courses, but of their application to the degree objective. A complete listing of Cuyahoga Community Colleges OAN approved courses can be found at: www.regents.ohio.gov/transfer/tags/index.php

ARTS AND HUMANITIES

Art History TAG			
ART-2020	Art History: Prehistoric to Renaissance (1 of 2 courses, both must be taken)	3 Cr.	OAH005
ART-2030	Art History: Late Renaissance in Present (2 of 2 courses, both must be taken)	3 Cr.	OAH005
VCPH-1050	Black and White Photography I	3 Cr.	OAH006
Dance TAG			
DANC-1510	Dance II	3 Cr.	OAH013
English Literature TAG			
ENG-2310	American Literature I	3 Cr.	OAH055
ENG-2320	American Literature II	3 Cr.	OAH056
ENG-2350	British Literature I	3 Cr.	OAH053
ENG-2360	British Literature II	3 Cr.	OAH054

Appendix II: Transfer Assurance Guides _____

ARTS AND HUMANITIES (Continued)

Fine Arts TAG			
ART-1050	Drawing I	3 Cr.	OAH001
ART-1070	3D Foundations	3 Cr.	OAH004
ART-1080	or Visual Design I	3 Cr.	OAH003
ART-1100	Sculpture I	3 Cr.	OAH047
ART-2050	or Painting I	3 Cr.	OAH048
VCPH-1050	or Black and White Photography I	3 Cr.	OAH006
ART 2210	or Printmaking I	3 Cr.	OAH0049
ART 1700	or Ceramics I	3 Cr.	OAH 050
ART 2000	or Life Drawing I	3 Cr.	OAH 051
Music TAG			
MUS-1250	Class Keyboard I (1 of 2 courses, both must be taken)	2 Cr.	OAH019
MUS-1260	Class Keyboard II (2 of 2 courses, both must be taken)	2 Cr.	OAH019
MUS-1460	Applied Music I (1 of 4 courses, any 1 of the 4 courses may be taken)	2 Cr.	OAH020
MUS-1470	Applied Music II (2 of 4 courses, any 1 of the 4 courses may be taken)	2 Cr.	OAH020
MUS-2460	Applied Music III (3 of 4 courses, any 1 of the 4 courses may be taken)	2 Cr.	OAH020
MUS-2470	Applied Music IV (4 of 4 courses, any 1 of the 4 courses may be taken)	2 Cr.	OAH020
MUS-1500	Choir (1 of 2 courses, either may be taken)	1 Cr.	OAH022
MUS-1550	Instrumental Ensemble (2 of 2 course, either may be taken)	1 Cr.	OAH022
MUS-1600	Traditional Theory I (1 of 8 courses, all must be taken)	3 Cr.	OAH052
MUS-1610	Ear Training I (3 of 8 courses, all must be taken)	2 Cr.	OAH052
MUS-1620	Traditional Theory II (2 of 8 courses, all must be taken)	3 Cr.	OAH052
MUS-1630	Ear Training II (4 of 8 courses, all must be taken)	2 Cr.	OAH052
MUS-2600	Traditional Theory III (5 of 8 courses, all must be taken)	3 Cr.	OAH052
MUS-2610	Ear Training III (6 of 8 courses, all must be taken)	2 Cr.	OAH052

Appendix II: Transfer Assurance Guides

MUS-2620	Traditional Theory IV (7 of 8 courses, all must be taken)	3 Cr.	OAH052
MUS-2630	Ear Training IV (8 of 8 courses, all must be taken)	2 Cr.	OAH052
Philosophy TAG			
PHIL-1010	Introduction to Philosophy	3 Cr.	OAH045
PHIL-2020	Ethics	3 Cr.	OAH046
Theatre TAG			
THEA-1500	Acting I	3 Cr.	OAH027
THEA-1530	Stagecrafts	2 Cr.	OAH026
THEA-1540	Rehearsal and Performance	2 Cr.	OAH025
THEA-2010	Script Analysis	3 Cr.	OAH024

BUSINESS

Business TAG			
ACCT-1310	Financial Accounting	4 Cr.	OBU001
ACCT-1340	Managerial Accounting	4 Cr.	OBU002
BADM-2010	Business Communications	3 Cr.	OBU005
BADM-2150	Business Law	4 Cr.	OBU004
ECON-2610	Principles of Macroeconomics	4 Cr.	OSS005
ECON-2620	Principles of Microeconomics	4 Cr.	OSS004
MARK-2010	Principles of Marketing	3 Cr.	OBU006
MATH-1610	Calculus I	5 Cr.	OMT005
MATH-1480	or Modern Mathematics for Business and Social Sciences II	4 Cr.	OMT013

COMMUNICATION

Communication Studies TAG			
SPCH-1000	Fundamentals of Interpersonal Communication	3 Cr.	OCM002
SPCH-1010	Fundamentals of Speech Communication	3 Cr.	OCM004
SPCH-1210	Group Discussion	3 Cr.	OCM003
Journalism TAG			
VCPH-2150	Introduction to Photojournalism	3 Cr.	OCM011
Public Relations/Advertising TAG			
JMC-1011	Introduction to Mass Communication	4 Cr.	OCM006
MARK-2270	Principles of Advertising	3 Cr.	OCM012
VCPH-2150	Introduction to Photojournalism	3 Cr.	OCM011
Telecommunication TAG			
JMC-2410	Television Production	3 Cr.	OCM008
JMC-2420	Advanced Television Production	3 Cr.	OCM010

Appendix II: Transfer Assurance Guides _____

EDUCATION

Education TAG			
EDUC-1011	Introduction to Education	3 Cr.	OED001
EDUC-1020	Educational Technology	3 Cr.	OED002
EDUC-1411	Individuals with Exceptionalities	3 Cr.	OED004
PSY-1010	General Psychology	3 Cr.	OSS015
PSY-2110	Educational Psychology	3 Cr.	OED003

ENGINEERING

Aerospace, Agriculture, Civil, Mechanical, Engineering TAG			
MATH-1610	Calculus I	5 Cr.	OMT005
MATH-1620	Calculus II	5 Cr.	OMT006
MATH-2520	Differential Equations	3 Cr.	OMT009
MET-1100	Technology Orientation	2 Cr.	OES001
PHYS-2310	General Physics I	5 Cr.	OSC016
PHYS-2320	General Physics II	5 Cr.	OSC017
Bioengineering, Biomedical Engineering TAG			
BIO-1500	Principles of Biology I	4 Cr.	OSC003
CHEM-1310 & CHEM-131L	General Chemistry II General Chemistry Laboratory II	4 Cr. 1 Cr.	OSC009
MATH-1610	Calculus I	5 Cr.	OMT005
MATH-1620	Calculus II	5 Cr.	OMT006
MET-1100	Technology Orientation	2 Cr.	OES001
PHYS-2310	General Physics I	5 Cr.	OSC016
PHYS-2320	General Physics II	5 Cr.	OSC017
Chemical, Environmental Engineering TAG			
CHEM-1310 & CHEM-131L	General Chemistry II General Chemistry Laboratory II	4 Cr. 1 Cr.	OSC009
MATH-1610	Calculus I	5 Cr.	OMT005
MATH-1620	Calculus II	5 Cr.	OMT006
MATH-2520	Differential Equations	3 Cr.	OMT009
MET-1100	Technology Orientation	2 Cr.	OES001
Civil, Construction Engineering TAG			
CNST-2110	Basic Survey Practices	3 Cr.	OET015
CNST-2130	Construction Methods, Materials & Equipment	3 Cr.	OET008
PHYS-1210	College Physics I	4 Cr.	OSC014
Computer, Electrical Engineering TAG			
MATH-1610	Calculus I	5 Cr.	OMT005
MATH-1620	Calculus II	5 Cr.	OMT006
MATH-2310	Calculus III	4 Cr.	OMT007
MET-1100	Technology Orientation	2 Cr.	OES001
PHYS-2310	General Physics I	5 Cr.	OSC016
PHYS-2320	General Physics II	5 Cr.	OSC017
Electrical Engineering Technology TAG			
EET-1110	DC Electric Circuits	3 Cr.	OET001
EET-1210	AC Electric Circuits	3 Cr.	OET003

PHYS-1210	College Physics I	4 Cr.	OSC014
Industrial Engineering TAG			
MATH-1610	Calculus I	5 Cr.	OMT005
MATH-1620	Calculus II	5 Cr.	OMT006
MET-1100	Technology Orientation	2 Cr.	OES001
PHYS-2310	General Physics I	5 Cr.	OSC016
PHYS-2320	General Physics II	5 Cr.	OSC017
Mechanical Engineering TAG			
PHYS-1210	College Physics I	4 Cr.	OSC014
MET-1240	Machine Tools and Manufacturing Processes	3 Cr.	OET010
MET-2200	Strength of Materials	3 Cr.	OET008

HEALTH

Dietetics TAG			
DIET-1200	Basic Nutrition	3 Cr.	OHL016
Health Information Management TAG			
BIO-2600	Pathophysiology	3 Cr.	OHL004
IT-1010	Introduction to Microcomputer Applications	3 Cr.	OBU003
MA-1020	Medical Terminology I	2 Cr.	OHL005
Medical Laboratory TAG			
MLT-1460	Hematology I	3 Cr.	OHL009

MATHEMATICS AND STATISTICS

Mathematics TAG			
MATH-1610	Calculus I	5 Cr.	OMT005
MATH-1620	Calculus II	5 Cr.	OMT006
MATH-2310	Calculus III	4 Cr.	OMT007
MATH-2410	Introduction to Linear Algebra	3 Cr.	OMT008
MATH-2520	Differential Equations	3 Cr.	OMT009
PHYS-2310	General Physics I	5 Cr.	OSC016
PHYS-2320	General Physics II	5 Cr.	OSC017

NATURAL/PHYSICAL SCIENCES

Biology TAG			
BIO-1500	Principles of Biology I	4 Cr.	OSC003
BIO-1510	Principles of Biology II	4 Cr.	OSC004
CHEM-1310 & CHEM-131L	General Chemistry II (1 of 2 courses, both must be taken) General Chemistry Laboratory II (2 of 2 courses, both must be taken)	4 Cr. 1 Cr.	OSC009
CHEM-2300	Organic Chemistry I (1 of 2 courses, both must be taken)	5 Cr.	OSC010
CHEM-2310	Organic Chemistry II (2 of 2 courses, both must be taken)	5 Cr.	OSC010
MATH-1610	Calculus I	5 Cr.	OMT005

Appendix II: Transfer Assurance Guides

PHYS-1210	College Physics I and	4 Cr.	OSC014
PHYS-1220	College Physics II or	4 Cr.	OSC015
PHYS-2310	General Physics I and	5 Cr.	OSC016
PHYS-2320	General Physics II	5 Cr.	OSC017
Chemistry TAG			
For BS Majors:			
CHEM-2300	Organic Chemistry I (1 of 2 courses, both must be taken)	5 Cr.	OSC010
CHEM-2310	Organic Chemistry II (2 of 2 courses, both must be taken)	5 Cr.	OSC010
MATH-1610	Calculus I	5 Cr.	OMT005
MATH-1620	Calculus II	5 Cr.	OMT006
PHYS-2310	General Physics I	5 Cr.	OSC016
PHYS-2320	General Physics II	5 Cr.	OSC017
For BA Majors:			
CHEM-2300	Organic Chemistry I (1 of 2 courses, both must be taken)	5 Cr.	OSC010
CHEM-2310	Organic Chemistry II (2 of 2 courses, both must be taken)	5 Cr.	OSC010
MATH-1610	Calculus I	5 Cr.	OMT005
MATH-1620	Calculus II	5 Cr.	OMT006
PHYS-1210	College Physics I and	4 Cr.	OSC014
PHYS-1220	College Physics II or	4 Cr.	OSC015
PHYS-2310	General Physics I and	5 Cr.	OSC016
PHYS-2320	General Physics II	5 Cr.	OSC017
Geology TAG			
ESCI-1410 & ESCI-114L	Physical Geology (1 of 2 courses, both must be taken) Laboratory in Physical Geology (2 of 2 courses, both must be taken)	3 Cr. 1 Cr.	OSC011
ESCI-1510 & ESCI-151L	Historical Geology (1 of 2 courses, both must be taken) Laboratory in Historical Geology (2 of 2 courses, both must be taken)	3 Cr. 1 Cr.	OSC012
Physics TAG			
MATH-1610	Calculus I	5 Cr.	OMT005
MATH-1620	Calculus II	5 Cr.	OMT006
MATH-2310	Calculus III	4 Cr.	OMT007
MATH-2410	Introduction to Linear Algebra	3 Cr.	OMT008
MATH-2520	Differential Equations	3 Cr.	OMT009
PHYS-2310	General Physics I	5 Cr.	OSC016
PHYS-2320	General Physics II	5 Cr.	OSC017

SOCIAL SCIENCES

Anthropology TAG			
ANTH-1010	Cultural Anthropology	3 Cr.	OSS001
ANTH-1020	Physical Anthropology	3 Cr.	OSS002
ANTH-1030	Archeology	3 Cr.	OSS003
Economics TAG			
ECON-2610	Principles of Macroeconomics	4 Cr.	OSS005
ECON-2620	Principles of Microeconomics	4 Cr.	OSS004
Geography TAG			
ESCI-1310	Physical Geography	3 Cr.	OSS006
GEOG-1000	Introduction to Geography	3 Cr.	OSS007
GEOG-1010	World Regional Geography	3 Cr.	OSS008
History TAG			
HIST-1010	History of Civilization I	3 Cr.	OHS041
HIST-1020	History of Civilization II	3 Cr.	OHS042
HIST-1510	United States History to 1877	3 Cr.	OHS043
HIST-1520	United States History since 1877	3 Cr.	OHS044
Political Science TAG			
POL-1010	American National Government	3 Cr.	OSS011
POL-1020	State and Local Government	3 Cr.	OSS014
POL-2070	International Relations	3 Cr.	OSS012
Psychology TAG			
PSY-1010	General Psychology	3 Cr.	OSS015
PSY- 2010	Child Growth and Development	3 Cr.	OSS045
PSY-2060	or Adolescent Psychology	3 Cr.	OSS046
PSY-2020	or Life Span Development	3 Cr.	OSS048
PSY-2100	or Introduction to Aging	3 Cr.	OSS047
PSY- 2050	Psychology of Personality	3 Cr.	OSS018
PSY- 2080	Abnormal Psychology	3 Cr.	OSS017
Sociology TAG			
SOC-1010	Introductory Sociology	3 Cr.	OSS021
SOC-1210	Sociology of the Family	3 Cr.	OSS023
SOC-2010	Social Problems	3 Cr.	OSS025
SOC-2550	Race and Ethnic Relations	3 Cr.	OSS024

**APPENDIX III
Career Technical Assurance Guides**

Career Technical Credit Transfer

Career Technical Credit Transfer (CT²) is a collaborative effort among the Ohio Board of Regents, the Ohio Department of Education’s Office of Career-Technical & Adult Education, public secondary/adult career-technical education institutions and state supported institution of higher education. The career technical credit transfer initiative further expands the state of Ohio’s articulation and transfer efforts. It ensures that students at an adult career-technical institution or secondary career-technical education institution can transfer successfully completed technical courses that adhere to recognized industry standards to any state institution of higher education without unnecessary duplication or institutional barriers. It enables students to attain their highest educational aspirations in the most efficient and effective manner as a result of clear and consistent standards. Career Technical Credit Transfer is meant to complement the College Tech Prep program. Additional information can be found on the Ohio Board of Regents web site:
<http://regents.ohio.gov/careertechtransfer/index.php>

Career Technical Assurance Guides

Career Technical Assurance Guides (CTAGS) serve as advising tools, identifying the course or program which is part of the statewide guarantee. CTAGS also describe additional conditions or obligations (e.g. program accreditation or industry credential) associated with the guarantee. The ultimate goal of Career Technical Credit Transfer is to receive technical course credit at a public institution of higher education.

Career-Technical Articulation Number (CTAN)

A CTAN consists of learning outcomes representing knowledge and skills in a technical area needed to transition from career –technical education to public institutions of higher education. Learning outcomes are based on recognized industry standards established by faculty panels. Each CTAN in the technical area is assigned an identifying number. A complete listing of Cuyahoga Community College’s approved courses can be found at:
<http://regents.ohio.gov/careertechtransfer/approved-programs-courses/index.php>

Automotive Technologies CTAG			
<i>Student Requirement: Passage of NATEF End of Program Assessment or ASE Certification in Brakes, Electrical, Engine& Suspension/Steering</i>			
CTAUT001 Brakes	AUTO-1450	Automotive Braking	3 Cr.
CTAUT002 Electrical	AUTO-1501	Automotive Electrical Fundamentals	2 Cr.
CTAUT003 Engine	AUTO-2400	Engine Performance	3 Cr.
CTAUT004 Suspension/Steering	AUTO-1400	Automotive Alignment Steering & Suspension	3 Cr.
Culinary Arts CTAG			
<i>Student Requirement: Current ORA ProStart Certificate</i>			
CTCF002 Intro to Hospitality & Tourism	HOSP-1010	Introduction to the Hospitality Industry	2 Cr.
CTCF004 Cooperative Work Experience	HOSP-186A	Hospitality Practicum: Culinary Arts	2 Cr.
Electrical Engineering Technology CTAG			
<i>Student Requirement: Proof of satisfactory course completion</i>			
CTEET001 DC Circuits	EET-1110	DC Circuits	3 Cr.
Emergency Medical Technician CTAG			
<i>Student Requirement: Current Ohio EMT-B or EMT-P certificate depending on the level to which the student is applying</i>			
CTEMTB002 EMT - Basic	EMT-1301	Emergency Medical Technician - Basic	7 Cr.
CTEMTP004 EMT- Paramedic	EMT-1310 and EMT-1400 and	Cardiopulmonary Resuscitation Paramedic Success	1 Cr. 4 Cr.

Appendix III: Career Technical Assurance Guides

	EMT-2330 and EMT-2340 and EMT-2350 and EMT-2360	Paramedic Theory I Paramedic Theory II Paramedic Theory III Paramedic Theory IV	6 Cr. 6 Cr. 6 Cr. 6 Cr.
Fire Fighter CTAG			
<i>Student Requirement: Current Ohio Fire Fighter Certification FFI or FFII depending on the level to which the student is applying</i>			
CTFFI002 Fire Fighter I	FIRE-1000 and EMT-1320	Introduction to Fire Science Heavy Rescue	3 Cr. 2 Cr.
CTFFII03 Fire Fighter II	Fire-1000 and FIRE-2320 and EMT-1310 and EMT-1320 and EMT-1330	Introduction to Fire Science Fire Prevention and Protection Systems Cardiopulmonary Resuscitation Heavy Rescue Defensive Driving - EMT	3 Cr. 3 Cr. 1 Cr. 2 Cr. 1 Cr.
Information Technology CTAG			
<i>Student Requirement: Must access credit within 3 years of program completion or within currency of certificate or license. Please see below for the specific requirements for each CTAN.</i>			
CTIT001 Basic <i>Student Requirement: Passage of OCTA End of Program Assessment, IC³Certificate or ICDL Certificate</i>	IT-1010	Introduction to Microcomputer Applications	3 Cr.
CTIT002 Network+ <i>Student Requirement: Passage of OCTA End of Program Assessment, Comp TIA Network + Certificate, Cisco Certified Network Associate (CCNA) Certificate or Cisco Certified Entry Network Technician (CCENT) Certificate</i>	ITNT-2300	Network Fundamentals	3 Cr.
CTIT003 A+ Essentials <i>Student Requirement: Passage of OCTA End of Program Assessment or CompTIA A+ Essentials Certificate</i>	EET-1001	Introduction to PC Maintenance	3 Cr.
CTIT007 Cisco Exploration I <i>Student Requirement: CCNA Certificate, CCENT Certificate or Passage of Semester Tests in Cisco/CCNA Discovery I & II or Cisco/CCNA Exploration I</i>	EET 1301	Cisco I: Networking Technologies	3 Cr.
CTIT008 Cisco Exploration II <i>Student Requirement: CCNA Certificate, CCENT Certificate or Passage of Semester Tests in Cisco/CCNA Discovery III & IV or Cisco/CCNA Exploration II</i>	EET 1311	Cisco II: Basic Router Technologies	3 Cr.
CTIT009 Cisco Exploration III	EET 2301	Cisco III: LAN Switching and Wireless	3 Cr.

Appendix III: Career Technical Assurance Guides

<i>Student Requirement: CCNA Certificate or Passage of Semester Test in Cisco/CCNA Exploration III</i>			
CTIT010 Cisco Exploration IV <i>Student Requirement: CCNA Certificate or Passage of Semester Test in Cisco/CCNA Exploration IV</i>	EET 2311	Cisco IV: WAN Technologies	3 Cr.
CTIT013 Windows Server 2003 <i>Student Requirement: Microsoft Managing and Maintaining a Microsoft Windows Server 2003 environment (MS Examination 70-290)</i>	ITNT-2320	System Administration for SQL Server	3 Cr
Mechanical Engineering Technology CTAG <i>Student Requirement: Proof of satisfactory course completion</i>			
CTMET004 Manufacturing Processes	MET 1240	Machine Tools and Manufacturing Processes	3Cr.
Medical Assisting CTAG <i>Student Requirement: CMA-AAMA or RMA-AMT Credentials</i>			
CTMAT004 Basic Administrative Functions	MA-1501	Medical Office Communications	3 Cr.
CTMAT005 Bookkeeping Functions	MA-2511	Medical Office Procedures	3 Cr.
CTMAT006 Process Insurance Claims	HIM-1118	Reimbursement for Physicians Services	1 Cr.
CTMAT008 Fundamental Procedures	MA-2860	Medical Assisting Practicum	2 Cr.
CTMAT009 Specimen Collection	MA-1320	Office Laboratory Procedures	3 Cr.
CTMAT010 Diagnostic Testing	MA-1400	Basic Clinical Medical Assisting	2 Cr.
CTMAT011 Patient Care	MA-2411	Advanced Clinical Medical Assisting	3 Cr.
Nursing CTAG			
CTPNNUR001 Practical Nursing	If planning on transferring to an Associate Degree Registered Nursing program consult the institution to which you plan to attend		
CTADNUR002 Associate Degree Registered <i>Student Requirement: LPN <u>and</u> completion of ONAM Transition course.</i>	NURS-1300 and NURS-1450 and NURS-1600	Health Assessment	2 Cr.
		Self-Care Needs: Adult Life Span	8 Cr.
		Health Deviations I	8Cr.

APPENDIX IV

Semester Course Numbering

Description

Developmental Courses	0800 to 0990	
	<u>Freshman-Level No.</u>	<u>Sophomore-Level No.</u>
Introductory/Non-Majors/ Basic Courses	1000 to 1290	---
Majors/Technical Courses	1300 to 1790	2000 to 2790
Special Topics Courses*	1800 to 1819	2800 to 2819
Honors Special Topics	180H	280H
Independent Study/Research Courses	1820	2820
Honors Independent Study/Research	182H	282H
Independent Study/Research Courses (2 hour Lab)	182S	282S
Independent Study/Research Courses (3 hour Lab)	182T	282T
Cooperative Education Courses	---	2830
Practicum	1840 to 1870	2840 to 2870
Clinicals (Nursing and Practical Nursing only)	1880 to 1900	2880 to 2900
Directed Practice	1910 to 1930 (Radiography uses additional course numbers)	2910 to 2930
Field Experience	1940 to 1960	2940 to 2960
Seminar	1970 to 1980	2970 to 2980
Capstone Course	---	2990

Note: Modular courses are identified by use of the letters "A through E" instead of fourth digit such as "0". Some laboratory courses are identified by the letter "L" instead of fourth digit such as "0". Independent Study/Research labs are identified by letters "S" and "T" instead of the fourth digit "0". Honors courses that may replace a current course use the letter "H" in the fourth position (such as ENG-101H for ENG-1010).

*Prior to Summer 2006, Special Topics courses were numbered as follows: 1800/2800 (lecture); 181S/281S (2 hour lab); 181T/281T (3 hour lab); and 181P/281P (practicum).

APPENDIX V
Equivalent Courses

The Equivalency Chart lists current semester courses that have equivalencies and semester courses that have been officially deleted and therefore are unavailable to students. Each current/deleted course is paired with a course replacement. The course replacement is identical in content, and has been renumbered to meet new degree requirements, or is very similar in content and instructional function and has been declared equivalent by content experts in the specific discipline. Active equivalent semester courses have sufficient content similar in nature and instructional function and have been declared equivalent. These course equivalents will be used consistently College-wide.

The concept of repeated courses, point of graduation and point of course completion are important elements of equivalent courses. These elements are explained below.

Repeated Course: if identified as equivalent, renumbered course may be treated as repeats.

The Equivalent Course Chart identifies a new course as equivalent to a current or deleted course. These new courses carry a different course number and may also carry a different subject code. These identified equivalent renumbered courses will be treated as repeats under the College's repeated course rules, i.e., credit is earned for only one completion and the single highest grade is computed into the student's grade point average.

Repeated Modularized Courses: all modularized courses together are equivalent to their source course and may be treated as repeats.

Source courses that have been modularized are indicated in the Course Descriptions of the College Catalog and may be identified by use of letters "A" through "E" in the

fourth position of the course number. Modular courses, when all are completed, are equivalent to the source course. To meet degree requirements, completion of either the source course or all its modules is required. When a source course is used to meet degree requirements, none of the modular courses may be used; and when modular courses are used to meet degree requirements, the source course may not be used.

Since modular courses are equivalent to their source course, modular courses will be treated as repeats under the College repeated course rules provided that the earned grade in each of the modular courses is higher than the grade earned in the source course. A source course may be treated as a repeat of all the modules.

Point of Graduation: if a course is a 2000-level course at the time the student graduates, the credits may apply to the 2000-level degree requirement.

A course may be renumbered from a 1000-level course number to a 2000-level course number. The degree requirements for the Associate of Arts, Associate of Science, Associate of Applied Business and Associate of Applied Science, effective Fall 2001, require 20 semester credits at the 2000-level. Students who took a 1000-level course that has since been renumbered to a 2000-level course may use that 2000-level course to meet the 2000-level requirement.

Point of Course Completion: if a course was taken when it carried a 2000-level course number, the semester credits may be applied to the 2000-level degree requirement.

A course may be renumbered from a 2000-level course number to a 1000-level course number. The student may apply the course to the 20 semester credits at the 2000-level requirement if the course carried a 2000-level course number at the time the student took the course

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
ACCT-1011 (3 Cr)	Business Math Applications	ACCT-1010 (3 Cr)		
ACCT-1041 (4 Cr)	Individual Taxation	ACCT-1040 (3 Cr)		
ACCT-1321 (4 Cr)	Accounting with Computer Applications	ACCT-1320 (4 Cr)		
ACCT-2041 (4 Cr)	Business Taxation	ACCT-2040 (3 Cr)		
AOS-1200 (3 Cr)	Word Processing I	ITAP-1200 (3 Cr)	OADM-2300 (3 Cr)	
AOS-1220 (2 Cr)	Speed Building	ITAP-1220 (2 Cr)	OADM-1030 (2 Cr)	
AOS-1230 (3 Cr)	Document Formatting and Production	ITAP-1230 (3 Cr)	OADM-1310 (3 Cr)	

Appendix V: Equivalent Courses

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
AOS-1240 (3 Cr)	Filing with Microcomputer Applications	ITAP-1240 (3 Cr)	OADM-1240 (3 Cr)	
AOS-1250 (3 Cr)	Electronic Spreadsheet Use and Design	ITAP-1250 (3 Cr)	OADM-1050 (3 Cr)	
AOS-2200 (3 Cr)	Word Processing II	ITAP-2200 (3 Cr)		
AOS-2210 (3 Cr)	Presentation Software	ITAP-2210 (3 Cr)		
AOS-2270 (3 Cr)	Desktop Publishing	ITAP-2270 (3 Cr)		
AOS-2410 (3 Cr)	Office Management	BADM-2410 (3 Cr)		
AOS-2990 (3 Cr)	Office Procedures and Practices	BADM-2990 (3 Cr)	OADM-2990 (3 Cr)	
ART-2020 (3 Cr)	Art History Survey: Prehistoric to Renaissance	ART-1020 (3 Cr)		
ART-2030 (3 Cr)	Art History Survey: Late Renaissance to Present	ART-1030 (3 Cr)		
ART-1091 (3 Cr)	Color Theory & Application	ART-1090 (3 Cr)		
ART-1301 (3 Cr)	Graphic Design	ART-1300 (3 Cr)		
ART-1311 (3 Cr)	Graphic Design II	ART-1310 (3 Cr)		
ART-2151 (3 Cr)	Animation for Web and Media	ART-2150 (3 Cr)		
ASL-1001 (2 Cr)	Fingerspelling	ASL-1000 (1 Cr)		
ATCT-1301 (2 Cr)	Introduction to Carpentry	ATCT-1300 (2 Cr)		
ATCT-1320(2 Cr)	Introduction to Hand and Power Tools	ATCT-2320 (2 Cr)		
ATCT-1331 (2 Cr)	Concrete Footers and Walls	ATCT-1330 (2 Cr)		
ATCT-1351 (2 Cr)	Metal Studs and Dry Walls	ATCT-1350 (2 Cr)		
ATCT-1381 (2 Cr)	Wood Framing	ATCT-1380 (2 Cr)		
ATCT-1491 (2 Cr)	Residential Steel Framing	ATCT-1490 (2 Cr)		
ATCT-2341 (2 Cr)	Concrete Specialties	ATCT-2340 (2 Cr)		
ATCT-2361 (2 Cr)	Suspended Ceilings	ATCT-2360 (2 Cr)		
ATCT-2511 (2 Cr)	Concrete Columns and Decks	ATCT-2510 (2 Cr)		
AUTO-1001 (2 Cr)	Auto Maintenance/Consumer Issues	AUTO-1000 (2 Cr)		
AUTO-1501 (2 Cr)	Automotive Electrical Fundamentals	AUTO-1500 (2 Cr)		
BADM-1000 (2 Cr)	Business Language Skills	OADM-1000 (2 Cr)		
BADM-2010 (3 Cr)	Business Communications	OADM-2010 (3 Cr)		
BADM-2120 (3 Cr)	Logistics Management	BADM-2300 (3 Cr)		
BADM-2501 (3 Cr)	Business Strategies	BADM-2500 (3 Cr)		
BADM-2600 (2 Cr)	Introduction to World Trade	MARK-2110 (2 Cr)		
BADM-2990 (3 Cr)	Office Procedures and Practices	OADM-2990 (3 Cr)		
BIO-2330 (4 Cr)	Anatomy and Physiology I	BIO-1430 (4 Cr)		
BIO-2340 (4 Cr)	Anatomy and Physiology II	BIO-1440 (4 Cr)		
C&CR-1320 (4 Cr)	Realtime Theory II	C&CR-1310 (2 Cr)		
C&CR-1600 (5 Cr)	Court Reporting Technology	C&CR-1370 (3 Cr)	C&CR-1371 (2 Cr) & C&CR-1310 (2 Cr)	

Appendix V: Equivalent Courses

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
C&CR-2601(3 Cr)	Technical Terminology I	C&CR-2600 (3 Cr)		
C&CR-2651 (3 Cr)	Technical Terminology II	C&CR-2650 (2 Cr)		
CHIN-1011 (4 Cr)	Beginning Chinese Language and Culture I	CHIN-1010 (4 Cr)		
CHIN-1021 (4 Cr)	Beginning Chinese Language and Culture II	CHIN-1020 (4 Cr)		
CNST-1281 (3 Cr)	Construction Engineering Orientation	CNST-1280 (2 Cr)		
CNST-1410 (3 Cr)	Architectural CAD I	ARCH-1410 (3 Cr)		
CNST-1420 (3 Cr)	Architectural CAD II	ARCH-1420 (3 Cr)		
CNST-2110 (3 Cr)	Basic Survey Practices	ARCH-2110 (3 Cr)		
CNST-2130 (3 Cr)	Construction Methods, Materials & Equipment	ARCH-2320 (3 Cr)		
CNST-2210 (3 Cr)	Mechanical & Electrical Systems	ARCH-2210 (3 Cr)		
CNST-2250 (3 Cr)	Advanced Construction Print Reading	CNST-2120 (3 Cr)	ARCH-1430 (3 Cr)	
CNST-2330 (3 Cr)	Construction Scheduling	CNST-2530 (3 Cr)	ARCH-2420 (3 Cr)	
CNST-2410 (3 Cr)	Principles of Structural Design	ARCH-2410 (3 Cr)		
CNST-2631 (3 Cr)	Construction Management Systems	CNST-2630 (3 Cr)	ARCH-2220 (3 Cr)	
CNST-2990 (3 Cr)	Construction Estimating and Cost Analysis	CNST-2320 (3 Cr)	ARCH-2310 (3 Cr)	
DAST-1200 (3 Cr)	Oral Structure and Development	BIO-1200 (3 Cr)		
DENT-1210 (3 Cr)	General and Oral Histopathology	BIO-1210 (4 Cr)		
DENT-1431 (2 Cr)	Head and Neck Anatomy	DENT-1430 (3 Cr)		
DENT-2990 (1 Cr)	Dental Hygiene Practice	DENT-2430 (1 Cr)		
DIET-1200 (3 Cr)& DIET-1320 (1 Cr)	Basic Nutrition Nutrition Applications	DIET-1300 (4 Cr)		
DIET-1331 (4 Cr)	Food Production Fundamentals	DIET-1330 (6 Cr)		
DIET-2862 (2 Cr) & DIET-2863 (2 Cr)	Geriatric Nutrition Practicum Community Nutrition Practicum	DIET-2861 (4 Cr)		
DIET 2301 (3 Cr)	Medical Nutrition Therapy I	DIET-2300 (2 Cr)		
DIET-2311 (3 Cr)	Medical Nutrition Therapy II	DIET-2310 (2 Cr)		
DIET-2410 (1 Cr) & DIET-2420 (1 Cr) & DIET-2430 (1 Cr)	Life Cycle Nutrition - Pregnancy and Lactation & Life Cycle Nutrition - Nutrition for Children & Life Cycle Nutrition - Nutrition Through Adulthood	DIET-2400 (3 Cr)		
DIET-2501 (2 Cr)	Nutrition Applications in Long Term Care	DIET-2500 (3 Cr)		
DIS-1300 (3 Cr)	Interpreting Fundamentals	ITP-1300 (3 Cr)		
DIS-1310 (2 Cr)	Interpreting I	ITP-1310 (2 Cr)		

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
DIS-1402 (3 Cr)	ASL Linguistics	DIS-1401 (3 Cr)	ITP-1400 (2 Cr)	
DIS-1850 ((2 Cr)	Practicum I	ITP-1850 (2 Cr)		
DIS-1970 (1 Cr)	Practicum Seminar I	ITP-1970 (1 Cr)		
DIS-2300 (2 Cr)	Transliterating	ITP-2300 (2 Cr)		
DIS-2310 (2 Cr)	Interpreting II	ITP-2310 (2 Cr)		
DIS-2410 (2 Cr)	Voicing	ITP-2410 (2 Cr)		
DIS-2850 (2 Cr)	Practicum II	ITP-2850 (2 Cr)		
DIS-2970 (1 Cr)	Practicum Seminar II	ITP-2970 (1 Cr)		
DMS-1070 (2 Cr)	Physical Concepts in Diagnostic Sonography	PHYS-1070 (2 Cr)		
DMS-1303 (2 Cr)	Introduction to Sonography	DMS-1302 (1 Cr) & DMS-1340 (1 Cr)		
DMS-1311 (2 Cr)	Initial Sonographic Scanning	DMS-1310 (2 Cr)		
DMS-1351 (1 Cr)	Patient Care Skills	DMS-1340 (1 Cr) & DMS-1350 (1 Cr)		
DMS-1381 (3 Cr)	Cardiac Diagnostic Procedures	DMS-1380 (4 Cr)		
DMS-1401 (3 Cr)	Abdominal Sonography I	DMS-1400 (3 Cr)		
DMS-1602 (4 Cr)	Echocardiography I	DMS-1360 (2 Cr) & DMS-1601 (3 Cr)		
DMS-1702 (4 Cr)	Vascular Sonography I	DMS-1360 (2 Cr) & DMS-1701 (4 Cr)		
DMS-1911 (2 Cr)	Initial Directed Practice	DMS-1910 (3 Cr)		
DMS-1921 (4 Cr)	Directed Practice I	DMS-1920 (4 Cr)		
DMS-2330 (3 Cr)	Sonographic Pathology	DMS-1330 (3 Cr)		
DMS-2401 (4 Cr)	Abdominal Sonography II	DMS-2400 (4 Cr)		
DMS-2602 (4 Cr)	Echocardiography II	DMS-1370 (2 Cr) & DMS-2601 (3 Cr)		
DMS-2702 (4 Cr)	Vascular Sonography II	DMS-1370 (2 Cr) & DMS-2701 (3 Cr)		
DMS-2911 (5 Cr)	Directed Practice II	DMS-2910 (4 Cr)		
DMS-2921 (3 Cr)	Directed Practice III	DMS-2920 (4 Cr)		
DMS-2981 (1 Cr) & DMS-2985 (1 Cr)	Specialty Registry Review and Physics Review	DMS-2980 (2 Cr)		
DMS-2991 (1 Cr)	Sonography Capstone	DMS-2990 (1 Cr)		
ECED-2700 (3 Cr)	Including Children with Special Needs	ECED-1700 (3 Cr)		
ECON-2610 (4 Cr)	Principles of Macroeconomics	ECON-1610 (3 Cr)		
ECON-2620 (4 Cr)	Principles of Microeconomics	ECON-1620 (3 Cr)		
EDUC-1411 (3 Cr)	Individuals with Exceptionalities	EDUC-1410 (3 Cr)		
EET-1001 (3 Cr)	Introduction to PC Maintenance	EET-1000 (2 Cr)		
EET-1021 (3 Cr)	Operating System Technologies I	EET-1010 (2 Cr) & EET-1020 (2 Cr)		
EET-1031 (3 Cr)	Operating System Technologies II	EET-1030 (2 Cr)		
EET-1051 (2 Cr)	PC Servicing and Troubleshooting	EET-1050 (3 Cr)		

Appendix V: Equivalent Courses

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
EET-1071 (2 Cr)	Computer System Peripherals	EET-1070 (1 Cr) & EET-1040 (1 Cr)		
EET-1081 (1 Cr)	Computer User Support	EET-1080 (1 Cr)		
EET-1091 (1 Cr)	Test Preparation for A+ Certification	EET-1090 (1 Cr)		
EET-1160 (2 Cr) & EET-1170 (2 Cr)	Direct Current Circuits I & Direct Current Circuits II	EET-1110 (3 Cr)		
EET-1180 (1)	Surface Mount Soldering	EET-2160 (1)		
EET-2111 (3 Cr)	Industrial Electronics I	EET-2110 (3 Cr)		
EET-2241 (3 Cr)	Microprocessors and Hardware Interface with C Programming	EET-2240 (3 Cr)		
EET-1301 (3 Cr)	Cisco I: Networking Technologies	EET-1300 (2 Cr)		
EET-1311 (3 Cr)	Cisco II: Basic Router Technologies	EET-1310 (2 Cr)		
EET-2301 (3 Cr)	Cisco III: LAN Switching & Wireless	EET-2300 (2 Cr)		
EET-2311 (3 Cr)	Cisco IV: WAN Technologies	EET-2301 (2 Cr)		
END-2411 (3 Cr)	Neurophysiology of Electroencephalography/ Sleep Disorders	END-2410 (2 Cr)	END-1400 (2 Cr)	
EMT-1301 (7 Cr)	Emergency Medical Technician - Basic	EMT-1300 (5 Cr) & EMT-1740 (1 Cr)		
EMT-2330 (6 Cr) & EMT-2340 (6 Cr)	Paramedic Theory I & Paramedic Theory II	EMT-2310 (10 Cr)		
EMT-2350(6 Cr) & EMT-2360 (6 Cr)	Paramedic Theory III Paramedic Theory IV	EMT-2320 (10 Cr)		
EHST-1301 (3 Cr) and EHST-1330 (3 Cr)	Introduction to Environmental Technology & Hazardous Waste Operations and Emergency Response	EHST-1300 (4 Cr)		
EHST-2220 (2 Cr)	EH&S Management Systems	EHST-1320 (2 Cr)	EHST-132A (1 Cr) & EHST-132B (1 Cr)	
EHST-2341 (2 Cr)	Hazardous Materials Transportation	EHST-2340 (2 Cr)		
EHST-2351 (2 Cr)	Emergency Planning and Response	EHST-2350 (2 Cr)		
EHST-2361 (4 Cr)	Environmental Sampling and Analysis	EHST-2360 (4 Cr)		
EHST-2371 (1 Cr)	Occupational Safety and Health Act/Department of Transportation Refresher	EHST-2370 (2 Cr)		
EHST-2991 (3 Cr)	Professional Practice	EHST-2400 (1 Cr)		
EHST-2820 (1 Cr)	*Contact program manager to arrange independent study for students who need EHST-2990 to complete program	EHST-2990 (1 Cr)		
ENG-2151 (3 Cr)	Technical Writing	ENG-2150 (3 Cr)		
ENG-2601 (3 Cr)	Literature for Children and Adolescents	ENG-2600 (3 Cr)		

Appendix V: Equivalent Courses

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
GEN-1022 (3 Cr)	Strategies for Success	GEN-1021 (3 Cr)	GEN-1020 (2 Cr)	
GEN-1032 (2 Cr)	Information Literacy and Library Research	GEN-1031 (2 Cr)	GEN-1030 (2 Cr)	
HTEC-1040 (1 Cr)	Health Career Exploration	HLTH-1200 (2 Cr)		
HIM-1010 (1 Cr)	Basic Medical Transcription	MA-1420 (1 Cr)		
HIM-1111 (3 Cr)	Physician Office Coding	HIM-1110 (2 Cr)		
HIM-1111 (3 Cr) & HIM-1120 (3 Cr)	Physician Office Coding & Medical Billing Practices	MA-2520 (3 Cr)		
HIM-1301 (3 Cr)	Introduction to Health Information Management	HIM-1300 (4 Cr)		
HIM-1311 (3 Cr)	Legal Aspects of Health Care	HIM-1310 (2 Cr)		
HIM-1401 (2 Cr)	Systems in Health Care Delivery	HIM-1400 (3 Cr)		
HIM-1411 (2 Cr)	Healthcare Statistical Application & Research	HIM-1410 (2 Cr)		
HIM-1422 (3 Cr)	Health Data Documentation and Informatics	HIM-1421 (3 Cr)	HIM-1420 (3 Cr)	
HIM-2130 (2 Cr)	Coding with CPT	HIM-1130 (2 Cr)		
HIM-2130 (2 Cr) & HIM-2150 (2 Cr)	Coding with CPT & Coding with ICD-9-CM	HIM-2300 (4 Cr)		
HIM-2150 (2 Cr)	Coding with ICD-9-CM	HIM-1150 (2 Cr)		
HIM-2312 (3 Cr)	Quality Assessment & Improvement	HIM-2311 (2 Cr)	HIM-2310 (3 Cr)	
HIM-2401 (2 Cr) & HIM-2430 (2 Cr)	Intermediate Coding & Medical Reimbursement Methodologies	HIM-2400 (4 Cr)		
HIM-2851 (3 Cr)	Practicum I	HIM-2850 (2 Cr)		
HIM-2861 (3 Cr)	Practicum II	HIM-2860 (2 Cr)		
HIST-2150 (3 Cr)	African American History to 1877	HIST-1710 (3 Cr)		
HIST-2160 (3 Cr)	African American History 1877-Present	HIST-1720 (3 Cr)		
HIST-2051 (3 Cr)	History of Russia to 1917	HIST-2050 (3 Cr)		
HOSP-1551 (3 Cr)	Baking Production and Sales I	HOSP-1550 (2 Cr)		
HOSP-2700 (2 Cr)	Hospitality Purchasing	HOSP-1700 (2 Cr)		
HOSP-2861 (4 Cr)	Lodging and Tourism Management	HOSP-2860 (4 Cr)		
HOSP-2991 (3 Cr)	Advanced Culinary Skills and Evaluation	HOSP-2990 (2 Cr)		
HS-1200 (4 Cr)	Treatment Modalities and Diversity Issues in Chemical Dependency	HS-1310 (2 Cr) & HS-2310 (2 Cr)		
HS-1210 (2 Cr)	Prevention and Chemical Dependency	HS-1320 (2 Cr)		
HS-1220 (4 Cr)	Diagnostic Tools and Legal Considerations	HS-1410 (2 Cr) & HS-1420 (2 Cr)		

Appendix V: Equivalent Courses

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
HS-2200 (3 Cr)	Ethics in Chemical Dependency	HS-2320		
HS-2300 (4 Cr)	Family Theory and Services	HS-2410 (2 Cr)		
HS-1110 (3 Cr)	Crisis Intervention and Child Abuse Issues	HS-2420 (2 Cr)		
HS-2600 (4 Cr)	Systems Approach to Case Management	HS-2510 (2 Cr) & HS-2520 (2 Cr)		
HUM-175H (3 Cr)	Honors Forum: Critical Issues	HUM-1750		
IT-1000 (2 Cr)	Keyboarding	OADM-1010 (2 Cr)		
IT-1010 (3 Cr) & IT-1020 (2 Cr)	Intro to Microcomputer Applications & Information Technology Concepts	CS-1020 (3 Cr)		
IT-1010 (3 Cr)	Introduction to Microcomputer Applications	OADM-1020 (3 Cr)		
IT-1030 (2 Cr)	Internet Fundamentals	CS-1030 (2 Cr)		
IT-1040 (3 Cr)	Microcomputer Operating Systems	CS-1320 (3 Cr)		
IT-1050 (3 Cr)	Programming Logic	CS-1350 (3 Cr)		
IT-1060 (2 Cr)	Introduction to Windows	OADM-1060 (2 Cr)		
IT-2300 (3 Cr)	Database Use and Design	CS-1410 (3 Cr)		
IT-2351 (4 Cr)	Enterprise Database Systems	IT-2350 (4 Cr)		
IT-2700 (3 Cr)	Systems Analysis and Design	CS-2700 (3 Cr)		
ITMP-2630 (4 Cr)	Advanced Visual Basic Programming	CS-2630 (4 Cr)		
ITMP-2670 (4 Cr)	C/C++ Programming Language	CS-2670 (4 Cr)		
ITMP-2990 (3 Cr)	Microcomputer Project	CS-2500 (3 Cr)		
ITNT-2300 (3 Cr)	Network Fundamentals	CS-2400 (3 Cr)		
JAPN-1011 (4 Cr)	Beginning Japanese Language and Culture I	JAPN-1010 (4 Cr)		
JAPN-1021 (4 Cr)	Beginning Japanese Language and Culture II	JAPN-1020 (4 Cr)		
JAPN-2011 (4 Cr)	Intermediate Japanese Language and Culture I (4 Cr)	JAPN-2010 (4 Cr)		
JAPN-2021 (4 Cr)	Intermediate Japanese Language and Culture II	JAPN-2020 (4 Cr)		
JAPN-2411 (3 Cr)	Advanced Japanese Language and Culture I	JAPN-2410 (3 Cr)		
JAPN-2421 (3 Cr)	Advanced Japanese Language and Culture II	JAPN-2420 (3 Cr)		
JMC-1210 (3 Cr)	Intro to Radio & Television	JMC-2210 (3 Cr)		
LAW-1120 (2 Cr) & LAW-1130 (2 Cr)	Criminal Court Procedure & Criminal Evidence	LAW-1100 (3 Cr)		
LAW-1111 (3 Cr)	Constitutional Law for Police	LAW-1110 (3 Cr)		
LAW-2390 (4 Cr)	The Investigative Process	LAW-2310 (4 Cr)		
LAW-1330 (3 Cr)	Criminal Law	LAW-2320 (3 Cr)		

Appendix V: Equivalent Courses

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
LAW-2990 (4 Cr)	Issues in Supervision	LAW-2340 (3 Cr)		
MA-1320 (3 Cr)	Office Laboratory Procedures	MA-1300 (2 Cr) & MA-1310 (2 Cr)		
MA-1501 (3 Cr)	Medical Office Communication and Human Interaction	MA-1500 (3 Cr)		
MA-1511 (3 Cr)	Medical Office Procedures	MA-1510 (4 Cr)		
MA-2010 (2 Cr)	Medical Terminology II	MA-1030 (2 Cr)		
MA-2410 (3 Cr)	Advanced Clinical Medical Assisting	MA-1410 (3 Cr)		
MA-2411 (3 Cr)	Advanced Clinical Medical Assisting	MA-2410 (3 Cr)		
MA-2511 (3 Cr)	Medical Office Procedures	MA-1511 (3 Cr)		
MA-2511 (3 Cr)	Medical Office Procedures	MA-2510 (3 Cr)		
MA-2520 (3 Cr)	Medical Billing	MA-1520 (3 Cr)		
MATH-1141 (3 Cr)	Applied Algebra and Mathematical Reasoning	MATH-1140 (2 Cr)		
MATH-1521 (4 Cr)	College Algebra	MATH-1520 (3 Cr)		
MET-1120 (2 Cr)	Computer Applications and Programming	MIT-1100 (2 Cr)		
MET-1200 (2 Cr)	Engineering Drawing	MIT-1200 (2 Cr)		
MET-1220 (2 Cr)	AutoCAD 2D	MIT-1220 (2 Cr)		
MET-1240 (3 Cr)	Machine Tools & Processes	MIT-1250 (3 Cr)		
MET-1300 (3 Cr)	Engineering Materials & Metallurgy	MIT-1300 (3 Cr)		
MET-1400 (3 Cr)	CNC Programming & Operations	MIT-1600 (3 Cr)		
MET-2000 (3 Cr)	CAD/CAM Processes	MIT-2000 (3 Cr)	MIT-1700 (3 Cr)	
MET-2040 (3 Cr)	Advanced AutoCAD	MIT-2040 (3 Cr)	MIT-1950 (3 Cr)	
MET-2050 (3 Cr)	Solid Modeling in 3D	MIT-2051 (3 Cr)	MIT-2050 (3 Cr)	
MET-2220 (3 Cr)	Advanced CAD/CAM Processes	MIT-2700 (3 Cr)		
MET-2400 (3 Cr)	Statistical Quality Control	MIT-2400 (3 Cr)		
MET-2500 (3 Cr)	Product Development & Manufacturing	MIT-2200 (3 Cr)		
MET-2730 (3 Cr)	Intro to Manufacturing Management	MIT-2730 (3 Cr)		
MET-2740 (3 Cr)	Quality Manufacturing	MIT-2740 (3 Cr)		
MET-2830 (1-3 Cr)	Cooperative Field Experience	MIT-2830 (1-3 Cr)		
MT-1241 (4 Cr)	Fundamentals of Somatic Studies I	MT-1240 (4 Cr)		
MT-1271 (4 Cr)	Fundamentals of Somatic Studies II	MT-1270 (4 Cr)		
MT-1301 (3 Cr)	Massotherapy I	MT-1300 (4 Cr)		
MT-1311 (4 Cr)	Applied Musculo-Skeletal Anatomy	MT-1310 (3 Cr)		
MT-2301 (3 Cr)	Pathology for Massage Therapists	MT-2300 (4 Cr)		
MT-2342 (2 Cr)	Massotherapy Practicum	MT-2341 (3 Cr)	MT-2340 (2 Cr)	
MT-2852 (2 Cr)	General Massage Practicum	MT-2851 (3 Cr)	MT-2850 (4 Cr)	
MT-2861 (3 Cr)	Geriatric Massage Practicum	MT-2860 (4 Cr)		
MUS-1460 (2 Cr)	Applied Music I	MUS - All deleted Applied Music I classes are equivalent - see		

Appendix V: Equivalent Courses

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
		music department faculty coordinators		
MUS-1470 (2 Cr)	Applied Music II	MUS - All deleted Applied Music II classes - see music department faculty coordinators		
MUS-2460 (2 Cr)	Applied Music III	MUS - All deleted Applied Music III classes - see music department faculty coordinators		
MUS-2470 (2 Cr)	Applied Music IV	MUS - All deleted Applied Music IV classes - see music department faculty coordinators		
NMED-1301(3 Cr) & NMED-130L (1 Cr)	Nuclear Medicine Procedures I Nuclear Medicine Laboratory I	NMED-1300 (4 Cr)		
NMED-2301 (3 Cr) & NMED-230L (1 Cr)	Nuclear Medicine Procedures II Nuclear Medicine Laboratory II	NMED-2300 (4 Cr)		
NMED-2410 (4 Cr)	Nuclear Medicine Safety & Biology	NMED-2400 (3 Cr)		
NURS-1450 (8 Cr)	Self Care Needs: Adult Life Span	NURS-1401 (4 Cr) & NURS-1500 (4 Cr)		
OPT-1911 (4 Cr)	Ophthalmic Assisting Directed Practice	OPT-1910 (4 Cr)		
OPT-2861 (3 Cr) & OPT-2970 (3 Cr)	Optical Practicum I & Optical Practicum Seminar I	OPT-2330 (2 Cr) & OPT-2430 (3 Cr) & OPT-2530 (3 Cr) & OPT-2630 (3 Cr)		
OPT-2870 (3 Cr) & OPT-2980 (3 Cr)	Optical Practicum II & Optical Practicum Seminar II	OPT-2440 (3 Cr) & OPT-2540 (3 Cr) & OPT-2640 (2 Cr) & OPT-2700 (3 Cr) & OPT-2860 (2 Cr)		
OTAT-1980 (2 Cr)	Therapeutic Use of Self	MA-1980 (2 Cr)		
PE-1031 (1 Cr)	Introduction to Lifetime Fitness I	PE-1030 (1 Cr)		
PE-1041 (1 Cr)	Introduction to Lifetime Fitness II	PE-1040 (1 Cr)		
PE-1051 (1 Cr)	Adapted Lifetime Fitness	PE-1050 (1 Cr)		
PE-1421 (2 Cr)	Camping	PE-1420 (2 Cr)		
PHIL-2031 (3 Cr)	Philosophy of Science	PHIL-2030 (3 Cr)		
PL-2420 (3 Cr)	Probate Law	PL-1420 (3 Cr)		
PL-2440 (3 Cr) & PL-2460 (3 Cr)	Business Transactions & Business Organizations	PL-1440 (4 Cr)		
PL-1501 (2 Cr)	Law Office Technology	PL-1500 (3 Cr)		
PL-2301 (4 Cr)	Torts and Evidence	PL-2300 (3 Cr)		
PL-2851 (1 Cr) & PL-2990 (2 Cr)	Paralegal Practicum & Paralegal Capstone	PL-2850 (2 Cr)		
POL-2030 (3 Cr)	Comparative Politics	POL-1030 (3 Cr)		
POL-2070 (3 Cr)	International Relations	POL-1070 (3 Cr)		
POL-2100 (3 Cr)	Constitutional Law	POL-1100 (3 Cr)		

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
PST-1500 (3 Cr) & PST-2200 (3 Cr)	Basic Landscape Contracting & Advanced Landscape Contracting	PST-2350 (3 Cr)		
PTAT-2301 (4 Cr)	Long-Term Physical Therapy Rehabilitation Procedures	PTAT-2300 (3 Cr) & PTAT-2320 (3 Cr)		
PTAT-2840 (2 Cr) & PTAT-2850(2 Cr)	Clinical Practicum I Clinical Practicum II	PTAT-2950 (3 Cr)		
RADT-1911 (7 Cr)	Clinical Radiography I	RADT-1910 (7 Cr)		
RADT-2361 (2 Cr)	Interventional Radiography and Pharmacology	RADT-2360 (2 Cr)		
RADT-2911 (7 Cr)	Clinical Radiography II	RADT-2910 (7 Cr)		
RADT-2921 (5 Cr)	Clinical Radiography III	RADT-2920 (5 Cr)		
REAL-1301 (3 Cr)	Principles and Practices of Real-Estate	REAL-1300 (2 Cr)		
REAL-1321 (3 Cr)	Diversity Awareness and Fair Lending	REAL-1320 (2 Cr)		
REAL-1331 (3 Cr)	Loan Origination	REAL-1330 (2 Cr)		
REAL-1401 (3 Cr)	Real Estate Law	REAL-1400 (2 Cr)		
REAL-1501 (1 Cr)	Valuation of Residential Properties	REAL-1500 (2 Cr)		
REAL-1601 (1 Cr)	Real Estate Finance	REAL-1600 (2 Cr)		
REAL-2360 (3 Cr)	Community Development in Mortgage Lending	REAL-2320 (2 Cr) & REAL-2350 (2 Cr)		
RESP-1421 (2 Cr) & RESP-142L (1 Cr)	Intermediate Polysomnography I & Intermediate Polysomnography I Lab	RESP-1420 (3 Cr)		
RESP-2341 (1 Cr)	Patient Management Problems	RESP-2340 (2 Cr)		
SOC-2020 (3 Cr)	Sociology of the Family	SOC-1210 (3 Cr)		
SOC-2051 (3 Cr)	Introduction to Social Welfare	SOC-2050 (3 Cr)		
SPAN-1011 (4 Cr)	Beginning Spanish Language & Cultures I	SPAN-1010 (4 Cr)		
SPAN-1021 (4 Cr)	Beginning Spanish Language & Cultures II	SPAN-1020 (4 Cr)		
SPAN-2411 (3 Cr)	Spanish Conversation and Composition	SPAN-2410 (3 Cr)		
SPCH-2020 (3 Cr)	Interviewing	SPCH-2030 (3 Cr)		
SURT-1700 (4 Cr)	Sterile Processing Technology I	MA-1700 (4 Cr)		
SURT-1710 (4 Cr)	Sterile Processing Technology II	MA-1710 (4 Cr)		
SURT-1861 (2 Cr)	Clinical Experience: Sterile Processing	SURT-1860 (2 Cr)	MA-1860 (2 Cr)	
SURT-1911 (3 Cr)	Clinical Experience I	SURT-1910 (4 Cr)		
SURT-1921 (3 Cr)	Clinical Experience II	SURT-1920 (4 Cr)		
SURT-2851 (3 Cr)	Clinical Experience III	SURT-2850 (3 Cr)		
SURT-2862 (4 Cr)	Clinical Experience IV	SURT-2861 (4 Cr)		
THEA-2210 (3 Cr)	History of Theatre and Drama I	THEA-1210 (3 Cr)		

Appendix V: Equivalent Courses

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
THEA-2220 (3 Cr)	History of Theatre and Drama II	THEA-1220 (3 Cr)		
VC&D 1200 (3 Cr)	Typography & Layout	CART-1300 (2 Cr)		
VC&D-1010 (1 Cr)	Macintosh Basics	CART-1020 (1 Cr)	GCMT-1020 (1 Cr)	
VC&D-1060 (3 Cr)	History and Trends in Visual Communication and Design	CART-1060 (3 Cr)		
VC&D-1100 (2 Cr)	Fundamentals of Design & Layout	CART-1050 (2 Cr)		
VC&D-1110 (2 Cr)	Introduction to Visual Communication	GCMT-1300 (2 Cr)		
VC&D-1300 (1 Cr)	Graphic Design Drawing	CART-1310 (1 Cr)		
VC&D-130L (1 Cr)	Graphic Design Drawing Studio	CART-131L (1 Cr)		
VC&D-1400 (1 Cr)	Imaging and Design	CART-1600 (1 Cr)		
VC&D-140L (1 Cr)	Imaging and Design Studio	CART-160L (1 Cr)		
VC&D-1500 (3 Cr)	Advertising and Design	CART-1500 (2 Cr)		
VC&D-2200 (2 Cr)	Multipage Layout and Design	CART-2300 (2 Cr)		
VC&D-2300 (2 Cr)	Graphic Design and Illustration	CART-2310 (2 Cr)		
VC&D-2400 (2 Cr)	Designing for Production	CART-2320 (2 Cr)		
VC&D-2530 (3 Cr)	Professional Practices in VC&D	GCMT-2530 (3 Cr)		
VC&D-2540 (2 Cr)	Individual Projects	GCMT-2540 (2 Cr)		
VC&D-2600 (2 Cr)	Graphic Production	CART-2330 (2 Cr)		
VC&D-2700 (2 Cr)	Media Design	CART-2450 (2 Cr)		
VC&D-2990 (2 Cr)	Portfolio Preparation	CART-2700 (2 Cr)	GCMT-2510 (2 Cr)	
VCAD-2520 (3 Cr)	Creative Advertising Campaign	CART-2500 (2 Cr)		
VCDP-1060 (2 Cr)	Introduction to Digital Publishing	GCMT-1400 (3 Cr)		
VCDP-1160 (2 Cr)	Troubleshooting Computer Publishing Systems	GCMT-1450 (2 Cr)		
VCDP-1260 (1 Cr)	Digital Workflow	GCMT-1240 (2 Cr)		
VCDP-1260 (2 Cr)	Digital Page Layout	GCMT-2410 (2 Cr)		
VCDP-1360 (2 Cr)	Vector Graphics	GCMT-2440 (2 Cr)		
VCDP-2260 (2 Cr)	Color Scanning and Reproduction	GCMT-2430 (2 Cr)		
VCDP-2360 (3 Cr)	Digital Production and Layout	GCMT-2420 (2 Cr)	GCMT-2450 (2 Cr)	GCMT-2460 (2 Cr)
VCDP-2760 (3 Cr)	Estimating and Production Management	GCMT-2380 (3 Cr)		
VCGD-2130 (2 Cr)	Magazine Design	CART-2430 (2 Cr)		
VCGD-2230 (2 Cr)	Publication Design	CART-2420 (2 Cr)		
VCGD-2330 (2 cr)	Corporate Graphics	CART-2410 (2 Cr)		
VCGD-2430 (2 Cr)	Package Design	CART-2440 (2 Cr)		
VCIL-1140 (2 Cr)	Rendering Techniques	CART-1340 (2 Cr)		
VCIL-1440 (2 Cr)	Surface Design	CART-1400 (2 Cr)		
VCIL-2140 (2 Cr)	Illustration with Prismacolor	CART-2350 (2 Cr)		
VCIL-2240 (2 Cr)	Illustration in Pen and Ink	CART-2340 (2 Cr)		
VCIL-2340 (2 Cr)	Illustration with Watercolor	CART-2360 (2 Cr)		

CURRENT COURSE		DELETED COURSES THAT ARE EQUIVALENT FOR GRADE REPEAT		
VCIM-1570 (3 Cr)	Web Publishing I: HTML	GCMT-2471 (3 Cr)	GCMT-2470 (3 Cr)	
VCIM-2070 (3 Cr)	Web Publishing II: Site Design	GCMT-2480 (3 Cr)		
VCIM-2170 (3 Cr)	Digital Video I	GCMT-2700 (3 Cr)		
VCIM-2270 (3 Cr)	Animation for Web and Media	GCMT-2490 (3 Cr)		
VCIM-2370 (3 Cr)	Interactive Media	GCMT-2711 (3 Cr)		
VCIM-2470 (2 Cr)	Virtual Reality Imaging	GCMT-1610 (2 Cr)		
VCPH-1050 (3 Cr)	Black and White Photography	GCMT-1500 (3 Cr)		
VCPH-1150 (3 Cr)	History of Photography	GCMT-1540 (3 Cr)		
VCPH-1250 (3 Cr)	Black and White Photography II	GCMT-1510 (3 Cr)		
VCPH-1300 (1 Cr)	Photography for Designers (1 Cr)	GCMT-1530 (1 Cr)		
VCPH-1350 (3 Cr)	Color Photography I	GCMT-1520 (3 Cr)		
VCPH-1450 (3 Cr)	Digital Imaging I	GCMT-1600 (3 Cr)		
VCPH-2050 (3 Cr)	Commercial Studio Techniques I	GCMT-2500 (3 Cr)		
VCPH-2150 (3 Cr)	Introduction to Photojournalism	GCMT-2550 (3 Cr)		
VCPH-2350 (3 Cr)	Color Photography II	GCMT-2520 (3 Cr)		
VCPH-2450 (3 Cr)	Digital Imaging II	GCMT-2600 (3 Cr)		
VCPH-2550 (3 Cr)	Commercial Studio Techniques II	GCMT-2560 (3 Cr)		
VT-1100 (1 Cr) & VT-1200 (1 Cr)	Veterinary Medical Terminology & Veterinary Law and Ethics	VT-1300 (2 Cr)		
VT-1451 (2 Cr)	Veterinary Diagnostic Imaging	VT-1450 (2 Cr)		

CROSS-LISTED COURSES

Cross-listed courses are identical courses offered in two or more subject areas. They may differ only in subject area code and course number. Credit may be earned once for cross listed courses. If a course is cross-listed with another course that fills a general education or program requirement, either course meets the requirement.

CROSS-LISTED COURSE		CR.	EQUIVALENT COURSE		CR.
ACCT-2990	Business Strategies	3	BADM-2501	Business Strategies	3
ART-2151	Animation for Web and Media	3	VCIM-2270	Animation for Web and Media	3
BIO-1300	Horticultural Botany	3	PST-1300	Horticultural Botany	3
HLTH-1310	Cardiopulmonary Resuscitation	1	EMT-1310	Cardiopulmonary Resuscitation	1

Appendix V: Equivalent Courses
STANDARD AND HONORS COURSES

<u>STANDARD COURSE</u>		<u>CR.</u>	<u>EQUIVALENT HONORS COURSE</u>		<u>CR.</u>
BADM-2010	Business Communications	3	BADM-201H	Honors Business Communications	3
CHEM-1010	Introduction to Inorganic Chemistry	4	CHEM-101H	Honors Introduction to Inorganic Chemistry	4
CHEM-1020	Introduction to Organic and Biochemistry	4	CHEM-102H	Honors Introduction to Organic and Biochemistry	4
CHEM-1300 and CHEM-130L	General Chemistry I and General Chemistry Laboratory I	4 and 1	CHEM-130H	Honors General Chemistry I	5
CHEM-1310 and CHEM-1311	General Chemistry II and General Chemistry II Laboratory	4 and 1	CHEM-131H	Honors General Chemistry II	5
ESCI-1410	Physical Geology	3	ESCI-141H	Honors Physical Geology	3
ENG-1010	College Composition I	3	ENG-101H	Honors College Composition II	3
ENG-1020	College Composition II	3	ENG-102H	Honors College Composition II	3
HIST-1010	History of Civilization I	3	HIST-101H	Honors History of Civilization I	3
HIST-1020	History of Civilization II	3	HIST-102H	Honors History of Civilization II	
HIST-1510	United States History to 1877	3	HIST-151H	Honors United States History to 1877	3
HIST-1520	United States History Since 1877	3	HIST-152H	Honors United States History Since 1877	3
	None		HUM-175H	Honors Forum: Critical Issues	3
IT-1010	Introduction to Microcomputer Applications	3	IT-101H	Honors Introduction to Microcomputer Applications	3
MATH-1510	Trigonometry	4	MATH-151H	Honors Trigonometry	4
MATH-1521	College Algebra	4	MATH-152H	Honors College Algebra	4
MATH-1610	Calculus I	5	MATH-161H	Honors Calculus I	5
MATH-1620	Calculus II	5	MATH-162H	Honors Calculus II	5
MATH-2310	Calculus III	4	MATH-231H	Honors Calculus III	4
PHIL-1010	Introduction to Philosophy	3	PHIL-101H	Honors Introduction to Philosophy	3
PHIL-2020	Ethics	3	PHIL-202H	Honors Ethics	3
POL-1010	American National Government	3	POL-101H	Honors American National Government	3
PSY-1010	General Psychology	3	PSY-101H	Honors General Psychology	3
SPCH-1010	Fundamentals of Speech Communication	3	SPCH-101H	Fundamentals of Speech Communication	3
SOC-1010	Introductory Sociology	3	SOC-101H	Honors Introductory Sociology	3
SOC-2010	Social Problems	3	SOC-201H	Honors Social Problems	3
	None		WST-200H	Honors Women and Reform	3

DELETED COURSES WITH NO EQUIVALENCY

The following courses have been deleted from the College course inventory and no replacements have been indicated. If you are required to take one of these courses to meet your degree requirements, please see the faculty coordinator or program manager in that department to discuss your options.

DELETED COURSE WITH NO EQUIVALENCY		CR.
AUTO-1200	Introduction to Automotive Service Manuals and Information Systems	1
AUTO-130A	Automotive Engines Principles	1
AUTO-130B	Automotive Engines: Laboratory Competencies	1
AUTO-130C	Automotive Engines: Advanced Laboratory Competencies	1
AUTO-135A	Manual Transmission and Drivetrain: Principles	1
AUTO-135B	Manual Transmission and Drivetrain: Laboratory Competencies	1
AUTO-140A	Automotive Alignment, Steering, and Suspension: Principles	1
AUTO-140B	Automotive Alignment, Steering, and Suspension: Laboratory Competencies	1
AUTO-145A	Automotive Braking Systems: Principles	1
AUTO-145B	Automotive Braking Systems: Advanced Principles	1
AUTO-145C	Automotive Braking Systems: Laboratory Competencies	1
AUTO-150A	Automotive Electrical Fundamentals: Principles	1
AUTO-150B	Automotive Electrical Fundamentals: Laboratory Competencies	1
AUTO-230A	Automatic Transmissions: Principles	1
AUTO-230B	Automatic Transmissions: Laboratory Competencies	1
AUTO-235A	Automotive HVAC: Principles	1
AUTO-235B	Automotive HVAC: Laboratory Competencies	1
AUTO-240A	Engine Performance: Principles	1
AUTO-240B	Engine Performance: Laboratory Competencies	1
AUTO-240C	Engine Performance: Advanced Laboratory Competencies	1
AUTO-245A	Automotive Electronic Engine Controls	1
AUTO-245B	Automotive Electronic Engine Controls: Laboratory Competencies	1
AUTO-245C	Automotive Electronic Engine Controls: Advanced Laboratory Competencies	1
AUTO-247A	Automotive Electrical Systems: Principles	1
AUTO-247B	Automotive Electrical Systems: Laboratory Competencies	1
AUTO-250A	Automotive Electrical Diagnosis: Principles	1
AUTO-250B	Automotive Electrical Diagnosis: Laboratory Competencies	1
BADM-2230	Value Analysis	3
CNST-2530	Construction Scheduling	3
DIET-1150	Nutrition for Children and Families	2
DIET-1340	Health Food Exploration	2
EET-1060	PC Networking	2
EET-2250	Industrial Electronics II	3
EHST-2310	CERCLA Superfund Sites	2
DMS-2370	Advanced Sonographic Physical Principles and Flows	3
JMC-1020	Introduction to Mass Communications II	3
GCMT-1001	Orientation to Publishing Industries	2
GCMT-1010	Orientation to Publishing Laboratory	1

Appendix V: Equivalent Courses

DELETED COURSE WITH NO EQUIVALENCY		CR.
GCMT-1220	Digital Output Systems I	2
GCMT-1230	Digital Output Systems II	2
GCMT-1250	Variable Data Document Creation and Printing	2
GCMT-1340	Imaging Science	2
GCMT-1350	Image Reproduction and Film Assembly	2
GCMT-1410	Integrating Production and Design for Graphic Products	3
GCMT-2300	Print Production Materials	2
GCMT-2311	Substrate Imaging and Finishing	4
GCMT-2320	Offset Printing	2
GCMT-2340	Imposition, Layout, Bindery and Finishing	3
GCMT-2350	Printing Production and Operations Management	2
GCMT-2360	Customer Service and Sales Support	2
GCMT-2370	Printing Estimating	2
GCMT-2840	Internship	1-3
GEN-1050	Organizing Your Employment Campaign	2
HIM-2420	Trends in Health Information Management	2
HS-1010	Community Care Coordinator I	2
HS-1020	Community Care Coordinator II	2
HS-1030	Community Care Coordinator III	2
HS-1230	Chemical Dependency Diagnosis	3
ITMF-1310	Internal Computer Functions	2
ITMF-1500	Application Program Development I: COBOL	5
ITMF-2530	Application Program Development II: COBOL	5
ITMF-2550	Application program Development III: COBOL, CICS, SQL	5
ITMF-2610	Assembly Language Programming	4
ITMP-1060	Introduction to Programming Concepts	3
IITMP-2630	Advanced Visual Basic Programming	4
ITNT-2340	Netware Administration I	3
ITNT-2440	Netware Administration II	3
ITWM-2990	E-Commerce Technologies	3
MARK-2990	Marketing Case Analysis	1
MATH-1050	Mathematics for Technology	3
MATH-1180	Intermediate Algebra for Technologies	4
MIT-2030	Industrial Drawing Essentials	3
MIT-2150	Motion and Time Study	3
MIT-2120	Facilities Design and Material Handling	3
MIT-2220	Advanced AutoCAD	3
PNUR-1310	Fundamentals of Nursing	4
PNUR-1320	Nursing Management of Adults I	4
PNUR-1340	Nursing Care of Families	4
REAL-2340	Mortgage Loan Servicing	2
RESP-1410	Beginning Polysomnography	2
RESP-1421	Intermediate Polysomnography I	2

DELETED COURSE WITH NO EQUIVALENCY		<u>CR.</u>
RESP-142L	Intermediate Polysomnography II	1
RESP-1430	Intermediate Polysomnography II	3
RESP-1440	Neurophysiology of Sleep	3
RESP-1934	Directed Practice I	3
RESP-2934	Directed Practice II	3