

ARTICULATION COORDINATING COMMITTEE MEETING

Agenda

May 28, 2008

Turlington Bldg, 1721/25

Tallahassee, FL

9:30-12:00- 1706 Standing Committee on Postsecondary Transition
9:30-12:00 – 1721/25 Standing Committee on Postsecondary Articulation Policy
1:00 p.m.-4:00-1721/25 Full ACC Meeting

1. Chairperson's Welcome	Dr. Ed Massey
Approval	
2. Approval: Minutes from February 27, 2008 ACC Meeting	Dr. Ed Massey
3. Approval: Reconciliation of Dual Enrollment Equivalency List/Bright Futures Comprehensive Course Table (CCT)	Dr. Heather Sherry
4. Approval: Prerequisites for new community college baccalaureate programs	Ms. Judy Dial
5. Approval: Lower Division Teacher Education Experience	Ms. Pat Frohe
6. Approval: Credit-by-Exam Equivalency List update	Mr. Matthew Bouck
7. Approval: Industry Certification in AAS/AS in Networking Services Technology Statewide Articulation Agreement; and Industry Certification to AAS/AS in Computer Engineering Technology Statewide Articulation Agreement	Mr. Duane Hume
Discussion	
8. Legislative update	Dr. Frances Haithcock Dr. Will Holcombe
9. Go Higher! Florida/American Diploma Project	Dr. Judy Bilsky
10. Common Prerequisite survey update	Ms. Lynda Page
11. FACTS update	Dr. Connie Graunke
12. Workforce update	Ms. Loretta Costin
13. Report from Standing Committee on K-12 to Postsecondary Transition	Dr. Jill White Dr. Walt Christy
14. Report from Standing Committee on Postsecondary Articulation Policy	Dr. Dottie Minear
15. General updates: <ul style="list-style-type: none"> • Course Code Directory • BOG Regulation 6.006 – Acceleration Mechanisms, High School Feedback Report, Performance on Common Placement Tests, University of Florida statewide dual enrollment agreements 	Dr. Heather Sherry

Next ACC meeting: October 22, 2008

MINUTES
ARTICULATION COORDINATING COMMITTEE MEETING
February 27, 2008

<p>A meeting of the Articulation Coordinating Committee (ACC) was held on Wednesday, February 27, 2008, at the Turlington Building in Tallahassee, Florida. At 1:00 p.m., Chairman, Dr. Edwin Massey, called the meeting to order.</p>	
Members Present	<p>Dr. Judith Bilsky, Division of Community Colleges Dr. Walter Christy, Brevard Public Schools Dr. Christine Cothron, First Coast Technical College Ms. Anna Cowin, Lake County Public Schools Dr. Charles Dassance, Central Florida Community Colleges Ms. Brenda Dickenson, nonpublic secondary education Dr. Frances Haithcock, Division of Public Schools Mr. Christopher Krampert, Florida Student Association Dr. Bruce Janasiewicz, Florida State University Dr. Bonnie Marmor, Division of Workforce Education (proxy for Lucy Hadi) Dr. Edwin Massey, Indian River Community College (Chair) Dr. Terry McMahan, Hodges University Dr. Dottie Minear, State University System, Board of Governors Dr. Robert Sullins, University of South Florida Dr. Jill White, Okaloosa-Walton College Dr. Heather Sherry, Office of Articulation (staff)</p>
Members Absent	<p>Mrs. Carlene Anderson, Walton County Public Schools Dr. Stephen Calabro, Southwest Florida College Dr. Gita Pitter, Florida A&M University</p>
1. Chairperson's Comments	<p>Dr. Ed Massey welcomed the committee members and the audience, and introduced Dr. Eric J. Smith, Commissioner of Education, to address the group. Dr. Smith expressed his belief in the critical importance of the work that the Articulation Coordinating Committee (ACC) does to ensure the success of our young people in progressing smoothly through the pre-K through 20 education system toward their educational goals. Citing recent data that shows improvements in various areas of student achievement (the Quality Counts Report), Commissioner Smith underscored that Florida has much to be proud of. However, he noted that there is still work to be done, particularly in the area of student preparedness for postsecondary education. He asserted that the State Board of Education recognizes that Florida needs to close the gaps between secondary and postsecondary education, and that the board has recently adopted the recommendations of the Go Higher Florida! Task Force. These recommendations focus on the need for better alignment between Florida's secondary and postsecondary systems, and encourage Florida to participate in the American Diploma Project which is working nationally to promote similar goals.</p> <p>Dr. Massey shared with Commissioner Smith that other states (Texas, in particular) are working to develop articulation systems mirroring Florida's articulation efforts given the successes in Florida. He emphasized that Florida is facing a difficult budget situation which could negatively impact articulation if the system is not protected in both good times and bad. He emphasized the work of the committee and the dedication of the members over the years to enhance Florida's articulation efforts and stressed the importance of protecting those students currently in the pipeline.</p>

	<p>Commissioner Smith acknowledged that articulation is one of the hallmarks of Florida’s education system, emphasizing that the high level of coordination is distinctive given Florida’s size. He thanked the committee members for their time and dedication to this effort, and pledged to work with the committee to “fuzzy up the boundaries” between education sectors to keep working toward a seamless transition for students.</p> <p>Dr. Massey welcomed new members to the committee: Dr. Frances Haitcock (Chancellor, Division of Public Schools); Mr. Christopher Krampert (Florida Student Association); and Dr. Dottie Minear (Vice Chancellor, State university System of Florida). The chair asked members of the committee and the audience to introduce themselves.</p>
<p>Approval:</p>	
<p>2. Approval of Minutes from October 24, 2007 Meeting</p>	<p>Dr. Massey asked for a motion for approval of the minutes of the October 2007, meeting of the ACC. Motion was seconded and unanimously approved.</p>
<p>3. Approval: Industry certification to AAS/AS degree in Engineering Technology statewide articulation agreement</p>	<p>Mr. Eric Owens presented an Action Item for committee approval for a Statewide Articulation Agreement awarding college credit hours for an industry certification credential. The proposal provides for the awarding of fifteen (15) college credit hours to the AAS/AS Degree in Engineering Technology to any holder of the Manufacturing Skills Standards Council’s credential of “Certified Production Technician”. Validation mechanisms include credit held in escrow pending successful completion of nine (9) credit hours in the program and meeting standard admission policies. The proposed agreement was recommended for approval and passed unanimously pending a revision to the agreement indicating that “The Engineering Technology Support Specialist, College Credit Certificate may not be awarded based on articulated credit.” The statement has been inserted in the agreement and the document is being submitted for inclusion in the Agreements for Statewide Articulation.</p>
<p>4. Approval: AS to BS articulation validation for seven PSAV to AAS/AS articulation programs that have an AS to BS component</p>	<p>Mr. Matthew Bouck presented the results of a specific review of PSAV to AAS/AS articulation agreements. In 2005-2006, faculty groups developed articulation agreements between Postsecondary Adult Vocational programs and Associate in Applied Science/Associate in Science programs. These were completed in two phases and approved by the Articulation Coordinating Committee (ACC).</p> <p>Phase I 10 approved agreements ACC Approval: February 22, 2006 Phase II 30 approved agreements ACC Approval: February 28, 2007</p> <p>At the February 28, 2007, ACC meeting there was discussion regarding additional proposed agreements that are linked to existing AS to BA/BS statewide agreements. Since faculty credential guidelines are different for varying levels of instruction, the initial committees who reviewed the agreements attempted to establish a validation mechanism for each program that must be used before transfer credit is granted. The ACC members expressed a desire to ensure that those validation mechanisms were sufficient to measure quality of instruction and student learning outcomes. The ACC approved selected PSAV-AAS/AS agreements but delayed approval of those linked PSAV - AAS/AS - BA/BS agreements until they can be further reviewed by faculty committees with representation from state universities.</p> <p>Four committees composed of representatives from each institution offering the BS program (including community college representatives from the SCNS) acted as reviewers for the PSAV-AAS/AS validation mechanism. Each committee member was to approve or deny the validation mechanism used as appropriate for the award of college credit. These committees reviewed the</p>

	following agreements		
	PSAV Program	AAS/AS Program	University Program
	Correctional Officer	Criminal Justice Technology	Criminal Justice
	Law Enforcement Officer		
	Computer Systems Technology	Computer Engineering Technology	Information Systems Technology
	Network Support Services		
	Network Systems Administration		
	PC Support Services		
	Wireless Telecommunications		
	Electronics Technology	Electronics Engineering Technology	Electronics Engineering Technology
	Electronics Technology	Electronics Engineering Technology	Engineering Technology General
	Lodging Operations	Hospitality & Tourism Management	Hospitality Admin/Mgmt (non AACSB)
	Practical Nursing	Registered Nursing	Nursing
	<p>The review committees approved the validation mechanisms for all the PSAV to AAS/AS agreements except the Lodging Operations program. ACC staff will work with this committee to ascertain the rationale for this denial.</p> <p>The ACC approved all the PSAV articulation agreements except Lodging Operations.</p>		

Discussion:	
<p>5. Workforce articulation – implementation of SB 1232</p>	<p>Ms. Gayle Manley provided an overview of the Florida Career and Professional Education (CAPE) Act that was created to provide a statewide planning partnership between business and education communities, to expand and retain high-value industry, and sustain a vibrant state economy. Career and professional academies will enable students to matriculate easily to both postsecondary education and the workforce.</p> <p>Participating public high schools are required to offer a rigorous and relevant curriculum that leads to (1) industry-recognized certification in high-demand occupations; (2) the award of a standard high school diploma; and (3) opportunities for high school students to simultaneously earn college credit.</p> <p>School districts must develop, in collaboration with local workforce boards and the postsecondary community, strategic 5-year plans that objectively address the needs of local and regional workforce through the development and implementation of academies. Two or more school districts are authorized to collaborate in developing and offering career academies, provided the strategic plan is approved by the Agency for Workforce Innovation (AWI) and that certain requirements are met. The strategic plan must include provisions for at least one career and professional academy to be operational in the school district</p>

	<p>at the beginning of the 2008-2009 school year.</p> <p>The State Board of Education must establish an expedited process for the continuous review of newly proposed rigorous and relevant core high school courses and decisions regarding course eligibility must be made within 60 days. Approved courses would be included in the Course Code Directory and also considered for possible dual enrollment and postsecondary credit.</p> <p>The bill requires AWI to identify appropriate industry certification based on the highest national standards available. Local workforce boards and academies may request additions to the list of industry certifications, provided requests are based upon high-demand labor needs of the regional workforce economy. The AWI will publish annually an updated list of industry certifications to be used within the career academies.</p> <p>The Department of Education must work with Workforce Florida, Inc. and Enterprise Florida in the collection and analysis of academic achievement and performance data of academy students. An evaluation plan and self-assessment tool would be required to determine outcomes such as graduation rates, achievement of industry certification, postsecondary enrollment, satisfaction of business and industry, employment rates, earnings and awards of scholarships and postsecondary credit.</p> <p>The Florida Education Finance Program (FEFP) is revised to provide supplemental weighted funding for students enrolled in career and professional academies, provided the instruction leads to industry certification for enrolled students upon academy completion.</p>
<p>6. Transition of technical centers to Statewide Course Numbering System electronic transcript</p>	<p>Ms. Beth Gladden and Ms. Jennifer Roberts from the Division of Workforce Education presented information on the SCNS project. This project will require Technical Centers to utilize course numbers from the SCNS for PSAV programs in order to comply with the law (F.S. 1007.24). This will also enable Technical Centers to use consistent and standard measures to track student performance and program completion. It is projected that for the 2009-2010 school year all Technical Centers will use the SCNS for student registration, student transcripts, and front-end data reporting.</p> <p>Ms. Belinda Chason presented an update on the status of the Career and Technical Education Centers common Electronic Transcript designed to facilitate portability and flexibility for students. The Division of Workforce is developing the format with the assistance of the K20 Applications Development Group and five pilot sites. The pilot sites are from Suwannee County, Orange County, Pasco County, Hillsborough County and Sarasota County. According to project timelines, implementation should begin in the fall of 2008.</p>
<p>7. New program submission form – Division of Workforce Education</p>	<p>Mr. Andy Anderman provided information on the new Program Submission Form. The revamped form provides the information necessary to review the programs and check if they are in compliance with Florida Statutes, State Board rule, numbered memos and various federal (Perkins) community college rules. The new part of the form is the signature block to ensure that appropriate supervisors were included in the process and have given their approval for the submission.</p>
<p>8. Career and technical education program length/course standards</p>	<p>Mr. Andy Anderman provided information on Career and Technical program length and course standards. The document provides a concise set of data on standard program lengths and Occupational Completion Points (OCPs) for programs in career education. The information from selected data fields provides a quick reference about career education programs. The data collected is used in Appendixes I and S of the Workforce Development Information</p>

	<p>System (WDIS). The user guide is available online at the Community College and Technical Center MIS website: http://www.fldoe.org/arm/cctcmis/workforce_vocational.asp</p>
9. Course Code Directory – 2007-08 update; course descriptions; and new standards database	<p>Mr. Keith (Jr) Sheets updated the full ACC on the CCD with a presentation explaining where we were, where we are now, and where we are headed with the project. I briefly demonstrated the now “live” standards database site (www.floridastandards.org) and began to explain how the CCD will be built into that online system.</p> <p>Mr. Sheets then presented a power-point demonstration showing what the complete, comprehensive online system will entail when all is said and done (though, more may be added and/or implemented). This included details on the CCD project’s status and outlook for 2008.</p>
10. New common prerequisites	<p>Ms. Lynda Page presented two technical additions to the <i>Common Prerequisite Manual</i>. The first was a correction to the University of South Florida Hospitality Administration/ Management common prerequisite page under Classification of Instructional Code (CIP) 52.0901. This program originally had ACGX011 required with ACGX001 as an alternative to ACGX021. During the transferring of information from the hard copy <i>Manual</i> to web-based, ACGX011 was moved as a prerequisite by it self and not as an alternative in combination. The technical change will correct this mistake.</p> <p>The second technical change was adding ACGX022 as a substitute for ACGX021 whenever it is listed in the business degree program common prerequisite pages. Statewide Course Numbering has indicated that the two cover the same information, with ACGX022 covering it in more depth.</p>
11. Report from Standing Committee on Postsecondary Transition	<p>The committee reviewed a revised version of the criteria for approval of statewide (single site) dual enrollment agreements. The criteria includes information on the approval process, a sample format for developing statewide agreements, and a copy of the Dual Enrollment Statement of Standards that was adopted by the Community College Council of Presidents and endorsed by the ACC in February, 2007. The University of Florida submitted two program proposals for review – the Student Science Training Program (SSTP) and the Young Entrepreneurs for Leadership & Change (YELC). The committee reviewed each proposal and made suggestions regarding the need for more information about how applicants will demonstrate readiness for college level writing, given that there is no required readiness assessment and one of the courses in the SSTP agreement meets Gordon Rule requirements. Ms. Sara Day from the University Florida agreed to provide the additional information requested. In addition, one of the courses in the YELC program was listed as an upper-level course and concerns were raised about dual enrollment students (i.e. high school students) taking upper-level courses. Ms. Day was asked to confirm the level of the course and find out whether other lower division students at the University of Florida were permitted to enroll in the course. The Committee agreed that once these questions were addressed they would provide review the agreements again and vote for approval via e-mail. Ms. Day provided the needed information and the agreements were sent via e-mail to the committee in March. The committee voted unanimously to approve and send forward for the Commissioner’s signature.</p> <p>Ms. Lillian Finn presented to the committee on the implementation process for high school Major Areas of Interest (MAI). Ms. Finn described the role of the school districts in proposing majors and indicated that there are currently 449 MAIS that have been approved statewide. In addition, she described the process and timeline for individual high schools to select the specific MAIs and courses that they plan to offer to their students. Ms. Julie Alexander presented</p>

information on community college involvement in the MAI process. She reported that 17 of the 28 community colleges participated in entering dual enrollment courses onto the electronic system that would compliment the existing state approved MAIs. Each college provided information on the dual enrollment offerings at their respective institutions, particularly for those MAIs currently being offered by schools in their service areas. Community college involvement in the MAI process has led to more open dialogue between school districts and community colleges with regard to dual enrollment.

Ms. Kathleen Taylor provided the committee with background information related to the Carl D. Perkins Career and Technical Education Act of 2006 (Perkins IV). She shared some of the majors themes in the Act, most notably, closer connections between secondary and postsecondary education through development and implementation of Programs of Study. As noted in the Perkins IV State Plan, Florida intends to convert CTE programs to comprehensive programs of study during the 5 years of Perkins IV (2008-2013). This will assist CTE students to transition from secondary to postsecondary seamlessly. The Program of Study template was also shared with committee members. Ms. Gayle Manley shared that Florida will consolidate Tech Prep with the Perkins Basic Grant beginning July 1, 2008 and provided background information that led to the decision. She provided information on the Career Pathways Consortia (Perkins IV Reserve Funds) whose core mission is to develop, expand and promote career pathways and programs of study to promote seamless transition. Consortium structure, requirements and funding overview was also presented.

Dr. Martha Miller presented findings related to concordance between SAT, ACT and CPT cut scores. She shared with the committee recent changes made to both the ACT and the SAT examinations that required another look at the concordance between ACT, SAT, and CPT scores. Based on the findings of the 2007 concordance study, a recommendation was made to amend State Board of Education Rule 6A-10.0315 to adjust the ACT and SAT cut scores as follows:

	ACT	SAT
Math Cut Scores	Current = 19 Proposed = 19	Current = 440 Proposed = 460
Reading Cut Scores	Current = 18 Proposed = 19	Current = 440 Proposed = 460
Writing Cut Scores	Current = 17 Proposed = 18	Current = 440 Proposed = 440

The rule amendment will be advertised and it is likely that a rule development workshop will be held at the next standing committee meeting on May 28, 2008.

The committee had a follow-up discussion regarding the school district practice of pairing AP courses. Dr. Sherry shared input regarding course pairings from Department of Education curriculum specialists and the committee discussed potential issues with the pairing practice. A distinction was made between “allowing” students to take a paired course prior to an AP course and “requiring” students to take the paired course. It was suggested that any “required” course pairing should be approved and listed in the Course Code Directory as a prerequisite to the AP course. The committee requested further information on the number of school districts who are currently involved in the practice and a discussion of the issue with the new Commissioner.

The committee meeting ended with a brief discussion about credit-banking and

	<p>it was agreed that the topic would be addressed in more depth at the next meeting so that ample time could be allotted for discussion.</p>
<p>12. Report from Standing Committee on Postsecondary Articulation Policy</p>	<p>The Standing Committee on Postsecondary Articulation Policy discussed items relating to the College Level Academic Skills Test (CLAST) and Go Higher, Florida! Task Force, the FACTS.org 2+2 Audit, and policies relating to the recency of undergraduate credit.</p> <p>Dr. Michael Jones presented information relating to the CLAST and the current update committee. The CLAST exam was last revised in 1992, and psychometric issues have arisen that indicate a need to update the exam (for example, the adaptive computer-based exam is producing different results than the non-adaptive “paper and pencil” exam). One recommendation to the ACC and Statewide Course Numbering System is to convene faculty committees to examine CLAST competencies and skills to identify those competencies that intersect with standard lower-level courses in the subtest areas. The Committee discussed the possibility that the CLAST may no longer serve a useful function if there are shown to be no gaps in the alignment of competencies coupled with the continuation of course mandates such as the Gordon Rule. Because of the wide variety of mathematics competencies at the lower level, and the difficulty in capturing these by one exam, the Committee recommended the following for study: mathematics course taking patterns and future success in mathematics courses and major courses; perhaps even tailoring the CLAST based upon the courses taken by the student and the intended major.</p> <p>The Committee then discussed the broader study of mathematics and English competencies—focusing on college readiness, but including higher-level competencies. The Committee discussed if this project could be brought under the work of the “Go Higher, Florida!” Task Force, and expand its implementation to examine not only entry-level postsecondary competencies (college readiness) but also exit competencies to prepare for the upper level—in essence to examine competencies as a continuum from high school to the upper level disciplines. The Committee did discuss an item of concern: that there are so many courses for different majors it may be problematic to attempt to push common competencies statewide. This standardization would seem to lead toward a mandate for standard “end-of-course” exams. Ultimately, no formal recommendation was made, but the Committee does support the general effort to review course competencies to inform both college readiness and CLAST-skills.</p> <p>Dr. Connie Graunke presented recent work by the Florida Academic Counseling and Tracking for Students (FACTS) system to create the <i>Associate in Arts (AA) Transfer Evaluation</i> (the 2+2 Audit). The evaluation provides students with information about their progress in the AA degree and university transfer admission requirements, based on the student’s chosen major and intended transfer date. This information includes minimum admissions standards (from the Board of Governors “limited access” report), foreign language requirements, and common prerequisites. Dr. Barbara Sloan of Tallahassee Community College reported that TCC is working on pre-majors to assist students in course selection. Tracking university changes to program admission requirements, however, makes it difficult for the community college to implement pre-majors. The 2+2 Audit could be the central location for all state universities’ transfer requirements—which would be a great help to community colleges. The Committee was pleased with this work and approved a motion of strong support for the continuation of this effort.</p> <p>Finally, the Committee discussed an item from the previous meeting: if there is</p>

	<p>an “age limit” for undergraduate credit in transfer. Committee staff surveyed institutions to ascertain if their institutions have policies regarding the recency of credit, and if that policy is different for transfer students or among programs. The results indicate that many institutions have no policy regarding the recency of credit; and those institutions that have a policy limit the review to application toward a degree, not in acceptance of the credit. These policies are reportedly applied equally to both transfer and returning students. The results do not indicate any transfer issues, but the Committee felt it may be helpful to include a statement in advising documents (FACTS.org, SCNS) such as: <i>“For courses that are more than 10 years old, while the transfer credit will be accepted, the course may be evaluated for applicability to a specific program.”</i> The Committee will determine final language and the possible inclusion of more specific language regarding more restrictive credit aging policies, such as the health fields.</p>
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The meeting adjourned at 3:30 p.m.

Announcements: The next ACC meeting is scheduled for May 28, 2008.

Articulation Coordinating Committee

May 28, 2008

Item 3

**Subject: Reconciliation of Dual Enrollment Equivalency List/Bright Futures
Comprehensive Course Table (CCT)**

PROPOSED COMMITTEE ACTION

Approval: Reconciliation of Dual Enrollment Equivalency List/Bright Futures
Comprehensive Course Table (CCT).

Supporting Documentation: Materials included in the packet

Facilitators/Presenter: Dr. Heather Sherry

**DUAL ENROLLMENT COURSE – HIGH SCHOOL SUBJECT AREA
EQUIVALENCY LIST
Effective Date: July 2008**

ELECTIVES

Current law allows for any course in the Statewide Course Numbering System, with the exception of remedial courses and Physical Education skills courses, to be offered as dual enrollment. Three-credit (or equivalent) postsecondary courses taken through dual enrollment that are not listed below shall be awarded 0.5 high school credits, either as an elective or as designated in the local interinstitutional articulation agreement.

FOREIGN LANGUAGE COURSES: All four-credit foreign language courses (including American Sign Language) shall be awarded one full high school credit.

*** Indicates courses that all community colleges and universities offer or accept in transfer as a part of their general education requirements.*

Please note: PSY X012 "Introduction to Psychology" is also offered or accepted by all institutions as a part of their general education programs, but is a high school elective, and therefore not included on this list.

ENGLISH

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED	GE
AML	X	000	SURVEY OF AMERICAN LITERATURE	English	0.5	
AML	X	001	INTRODUCTION TO AMERICAN FOLKLORE	English	0.5	
AML	X	010	American Literature I: Colonial to the Civil War	English	1.0	
AML	X	011	American Literature I: Colonial to 1875	English	1.0	
AML	X	012	American Literature I: Colonial to 1900	English	1.0	
AML	X	020	American Literature II: Civil War to Present	English	1.0	
AML	X	021	American Literature II: 1875 to Present	English	1.0	
AML	X	022	American Literature II: 1900 to Present	English	1.0	**
AML	X	023	American Literature: 1900 to the Present	English	1.0	
AML	X	050	MODERN AMERICAN LITERATURE	English	0.5	
AML	X	070	SURVEY OF AMERICAN LITERATURE	English	0.5	
AML	X	300	MAJOR AMERICAN AUTHORS	English	0.5	
AML	X	301	Studies in Individual American Authors	English	1.0	
AML	X	410	ISSUES IN AMERICAN LITERATURE AND CULTURE	English	0.5	
ENC	X	101	Freshman Composition Skills I	English	1.0	**
ENC	X	102	Freshman Composition Skills II	English	1.0	**
ENC	X	107	Advanced College Writing	English	1.0	
ENC	X	121	Honors Freshman Composition Skills I	English	1.0	
ENC	X	122	Honors Freshman Composition Skills II	English	1.0	
ENC	X	123	Honors Introduction to Writing	English	1.0	
ENC	X	133	LIBRARY RESEARCH AND WRITING	English	0.5	
ENC	X	135	ARGUMENT AND PERSUASION (NON-GORDON)	English	0.5	
ENC	X	141	Writing About Literature	English	1.0	
ENC	X	144	FRESHMAN ARTICLE AND ESSAY WORKSHOP	English	0.5	
ENC	X	145	Freshman Special Topics Composition	English	1.0	
ENC	X	210	Technical Report Writing	English	0.5	
ENC	X	300	Intermediate Composition	English	1.0	
ENC	X	301	Advanced Composition	English	1.0	
ENC	X	302	Advanced Composition II	English	1.0	
ENC	X	305	Topics in Advanced Composition	English	1.0	
ENC	X	321	Advanced Composition	English	1.0	
ENG	X	012	APPROACHES TO LITERARY CRITICISM	English	0.5	

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED	GE
ENL	X	000	British Literature Survey:Comprehensive	English	1.0	
ENL	X	010	English Literature to 1660	English	1.0	
ENL	X	011	English Literature to 1750	English	1.0	
ENL	X	012	English Literature to 1798	English	1.0	
ENL	X	020	English Literature since 1660	English	1.0	
ENL	X	021	English Literature since 1750	English	1.0	
ENL	X	022	English Literature since 1798	English	1.0	
ENL	X	230	RESTORATION AND 18TH CENTURY LITERATURE	English	0.5	
ENL	X	251	VICTORIAN AND EDWARDIAN LITERATURE	English	0.5	
ENL	X	273	MODERN BRITISH LITERATURE	English	0.5	
ENL	X	280	CONTEMPORARY BRITISH LITERATURE	English	0.5	
LIN	X	670	Writing and Grammar	English	0.5	
LIN	X	742	English Grammar and Style	English	0.5	
LIT	X	000	Introduction to Literature	English	1.0	
LIT	X	081	Introduction to Modern Literature	English	1.0	
LIT	X	090	Contemporary Literature	English	0.5	
LIT	X	100	World Literature	English	1.0	
LIT	X	110	World Literature through Renaissance	English	1.0	
LIT	X	118	Honors World Literature I	English	1.0	
LIT	X	120	World Literature since Renaissance	English	1.0	
LIT	X	128	Honors World Literature II	English	1.0	

MATHEMATICS

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED	GE
MAA	X	102	Advanced Multivariable Calculus I	Mathematics	1.0	
MAC	X	105	College Algebra	Mathematics	1.0	**
MAC	X	106	Combined College Algebra/Pre-Calculus	Mathematics	1.0	
MAC	X	107	College Algebra II	Mathematics	1.0	
MAC	X	114	Trigonometry	Mathematics	1.0	**
MAC	X	133	COLLEGE ALGEBRA AND TRIG. II	Mathematics	1.0	
MAC	X	140	Precalculus Algebra	Mathematics	1.0	**
MAC	X	145	PRECALCULUS MATH	Mathematics	1.0	
MAC	X	147	Precalculus Algebra/Trigonometry	Mathematics	1.0	**
MAC	X	154	Analytic Geometry	Mathematics	1.0	
MAC	X	223	Calculus For Architecture I	Mathematics	1.0	
MAC	X	233	Calculus For Business I	Mathematics	1.0	**
MAC	X	234	Calculus For Business & Soc. Science II	Mathematics	1.0	
MAC	X	241	Life Science Calculus I	Mathematics	1.0	
MAC	X	242	Life Science Calculus II	Mathematics	1.0	
MAC	X	253	Calculus For Engineering Technology I	Mathematics	1.0	
MAC	X	254	Calc. For Engineering Technology II	Mathematics	1.0	
MAC	X	281	Engineering Calculus I	Mathematics	1.0	
MAC	X	282	Engineering Calculus II	Mathematics	1.0	
MAC	X	283	Engineering Calculus III	Mathematics	1.0	
MAC	X	300	Calculus	Mathematics	1.0	
MAC	X	311	Calculus I	Mathematics	1.0	**
MAC	X	312	Calculus II	Mathematics	1.0	**
MAC	X	313	Calculus III	Mathematics	1.0	**
MAC	X	331	Integrated Math I	Mathematics	1.0	
MAC	X	332	Integrated Math II	Mathematics	1.0	
MAC	X	333	Integrated Math III	Mathematics	1.0	
MAC	X	334	Integrated Math IV	Mathematics	1.0	
MAC	X	421	Calculus With Differential Equations I	Mathematics	1.0	

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED	GE
MAC	X	422	Calculus With Differential Equations II	Mathematics	1.0	
MAC	X	423	Calculus With Differential Equations III	Mathematics	1.0	
MAC	X	472	Honors Calculus I	Mathematics	1.0	
MAC	X	473	Honors Calculus II	Mathematics	1.0	
MAC	X	474	Honors Calculus III	Mathematics	1.0	
MAD	X	100	APPLICATIONS-ORIENTED ALGEBRA	Mathematics	1.0	
MAD	X	104	DISCRETE MATHEMATICS	Mathematics	1.0	
MAD	X	401	Numerical Analysis	Mathematics	1.0	
MAP	X	302	Differential Equations	Mathematics	1.0	**
MAP	X	401	Advanced Differential Equations	Mathematics	1.0	
MAS	X	103	Linear Algebra	Mathematics	1.0	
MAS	X	105	Linear Algebra	Mathematics	1.0	
MAS	X	106	LINEAR ALGEBRA I	Mathematics	1.0	
MAS	X	121	Linear Operations and Differential Equations	Mathematics	1.0	
MAS	X	300	Numbers and Polynomials	Mathematics	1.0	
MAT	X	033	Intermediate Algebra	Mathematics	0.5	
MGF	X	106	Liberal Arts Mathematics I	Mathematics	1.0	**
MGF	X	107	Liberal Arts Mathematics II	Mathematics	1.0	**
MGF	X	108	Honors Mathematical Ideas & Explorations	Mathematics	1.0	
MGF	X	111	Geometry And Measurement	Mathematics	1.0	
MGF	X	112	Informal Logic	Mathematics	1.0	
MGF	X	113	Mathematics For Teachers I	Mathematics	1.0	
MGF	X	114	Mathematics For Teacher II	Mathematics	1.0	
MGF	X	120	Basic Probability (L)	Mathematics	1.0	
MGF	X	131	SOFTWARE SOLUTIONS FOR MATHEMATICS	Mathematics	1.0	
MGF	X	210	Finite Mathematics	Mathematics	1.0	
MGF	X	214	FINITE MATH-TAUGHT THROUGH ENVIRONMENT	Mathematics	1.0	
MHF	X	300	ELEMENTARY MATHEMATICAL LOGIC	Mathematics	1.0	
MTG	X	204	INFORMAL GEOMETRY	Mathematics	1.0	
MTG	X	206	College Geometry	Mathematics	1.0	
MTG	X	212	College Geometry	Mathematics	1.0	
QMB	X	100	BASIC BUSINESS STATISTICS	Mathematics	1.0	
STA	X	013	Basic Descript. & Inferential Statistics	Mathematics	1.0	
STA	X	014	Descriptive and Inferential Statistics	Mathematics	1.0	
STA	X	021	Introd. to Statistics and Probability	Mathematics	1.0	
STA	X	022	Basic Statistics	Mathematics	1.0	
STA	X	023	Statistical Methods I	Mathematics	1.0	
STA	X	037	Statistics with Calculus	Mathematics	1.0	
STA	X	122	Statistical Applic. in Social Science I	Mathematics	1.0	

PERFORMING/FINE ARTS

Subject area credit in Performing/Fine Arts is awarded for approved courses regardless of whether a lab is taken with the course.

All performing fine arts courses must be taken for 3 or more college credit hours in order to be guaranteed 0.5 high school credits.

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED
ARC	X	301	Architectural Design I	Performing Fine Arts	0.5
ARC	X	701	Architectural Development	Performing Fine Arts	0.5
ARH	X	000	Art Appreciation	Performing Fine Arts	0.5

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED
ARH	X	002	THE ARTISTIC EXPERIENCE	Performing Fine Arts	0.5
ARH	X	003	Purposes Of Art	Performing Fine Arts	0.5
ARH	X	006	History Of Visual Ideas I	Performing Fine Arts	0.5
ARH	X	010	INTRODUCTION TO ART HISTORY	Performing Fine Arts	0.5
ARH	X	050	Art History I	Performing Fine Arts	0.5
ARH	X	051	Art History II	Performing Fine Arts	0.5
ARH	X	052	INTRODUCTION TO ART HISTORY III	Performing Fine Arts	0.5
ARH	X	060	THE HISTORY OF ARCHITECTURE	Performing Fine Arts	0.5
ARH	X	402	ART HISTORY 3	Performing Fine Arts	0.5
ARH	X	411	Art History: Modern Art	Performing Fine Arts	0.5
ARH	X	500	INTRODUCTION TO NON-WESTERN ART	Performing Fine Arts	0.5
ART	X	001	Studio Art For Nonmajors	Performing Fine Arts	0.5
ART	X	003	Studio Art For Majors	Performing Fine Arts	0.5
ART	X	100	Crafts I	Performing Fine Arts	0.5
ART	X	110	Ceramics I	Performing Fine Arts	0.5
ART	X	111	Ceramics II	Performing Fine Arts	0.5
ART	X	130	FABRIC/FIBER I, LOWER	Performing Fine Arts	0.5
ART	X	150	METALS I, LOWER	Performing Fine Arts	0.5
ART	X	162	WOOD, METAL, AND PLASTICS	Performing Fine Arts	0.5
ART	X	181	Stained Glass	Performing Fine Arts	0.5
ART	X	201	Design I	Performing Fine Arts	0.5
ART	X	202	DESIGN II, LOWER (2-D)	Performing Fine Arts	0.5
ART	X	203	Design III	Performing Fine Arts	0.5
ART	X	205	Color And Composition	Performing Fine Arts	0.5
ART	X	220	FORM AND SPACE	Performing Fine Arts	0.5
ART	X	230	Communication Design I	Performing Fine Arts	0.5
ART	X	253	Illustration I	Performing Fine Arts	0.5
ART	X	280	SERIAL CONTENT & CLASSIC FORM I	Performing Fine Arts	0.5
ART	X	300	Drawing I	Performing Fine Arts	0.5
ART	X	301	Drawing II	Performing Fine Arts	0.5
ART	X	302	Drawing III	Performing Fine Arts	0.5
ART	X	310	DRAWING I, UPPER	Performing Fine Arts	0.5
ART	X	330	Drawing	Performing Fine Arts	0.5
ART	X	332	FIGURE DRAWING I, UPPER	Performing Fine Arts	0.5
ART	X	340	Beginning Illustrations	Performing Fine Arts	0.5
ART	X	375	Drawing	Performing Fine Arts	0.5
ART	X	400	Printmaking I	Performing Fine Arts	0.5
ART	X	401	PRINTMAKING II	Performing Fine Arts	0.5
ART	X	500	Painting I	Performing Fine Arts	0.5
ART	X	501	Painting II	Performing Fine Arts	0.5
ART	X	502	Painting III	Performing Fine Arts	0.5
ART	X	503	Painting IV	Performing Fine Arts	0.5
ART	X	510	Painting I	Performing Fine Arts	0.5
ART	X	520	ADVANCED PAINTING	Performing Fine Arts	0.5
ART	X	600	Electronic Media I	Performing Fine Arts	0.5
ART	X	601	Electronic Media II	Performing Fine Arts	0.5
ART	X	602	DIGITAL IMAGING	Performing Fine Arts	0.5
ART	X	613	ELECTRONIC MEDIA IV	Performing Fine Arts	0.5
ART	X	701	Sculpture I	Performing Fine Arts	0.5
ART	X	702	SCULPTURE II	Performing Fine Arts	0.5
ART	X	703	SCULPTURE II (ALTERNATE NUMBER)	Performing Fine Arts	0.5
ART	X	710	ADVANCED SCULPTURE	Performing Fine Arts	0.5
ART	X	750	Ceramics I	Performing Fine Arts	0.5
ART	X	751	Ceramics II	Performing Fine Arts	0.5
ART	X	752	WHEEL THROWING I	Performing Fine Arts	0.5
ART	X	759	CERAMIC STUDIO I	Performing Fine Arts	0.5
ART	X	760	CERAMICS I	Performing Fine Arts	0.5
ART	X	761	CERAMICS II	Performing Fine Arts	0.5
ART	X	768	CERAMIC SCULPTURE	Performing Fine Arts	0.5
ART	X	802	ART WORKSHOP: RESEARCH AND PRACTICE	Performing Fine Arts	0.5
ART	X	803	ART WORKSHOP: RESEARCH AND PRACTICE	Performing Fine Arts	0.5
ART	X	820	VISUAL THINKING	Performing Fine Arts	0.5

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED
DAA	X	100	Modern Dance I	Performing Fine Arts	0.5
DAA	X	101	Basic Contemporary Dance	Performing Fine Arts	0.5
DAA	X	102	CONTEMPORARY/MODERN DANCE III FOR NON-MAJORS (L)	Performing Fine Arts	0.5
DAA	X	104	Contemporary Dance I	Performing Fine Arts	0.5
DAA	X	200	BALLET	Performing Fine Arts	0.5
DAA	X	201	BALLET II FOR NON-MAJORS (L)	Performing Fine Arts	0.5
DAN	X	100	Introduction to Dance	Performing Fine Arts	0.5
DAN	X	600	MUSIC AND DANCE (SINGLE COURSE) (L)	Performing Fine Arts	0.5
DAN	X	757	PILATES TECHNIQUE FOR THE DANCER	Performing Fine Arts	0.5
DIG	X	115	DIGITAL IMAGING	Performing Fine Arts	0.5
FIL	X	000	Introduction To Film Studies	Performing Fine Arts	0.5
FIL	X	001	INTRODUCTION TO FILM PRODUCTION	Performing Fine Arts	0.5
FIL	X	002	Appreciation Of Film I	Performing Fine Arts	0.5
FIL	X	030	HISTORY OF MOTION PICTURES	Performing Fine Arts	0.5
FIL	X	031	HISTORY OF FILM I	Performing Fine Arts	0.5
FIL	X	100	SCREEN WRITING	Performing Fine Arts	0.5
FIL	X	200	Film Production	Performing Fine Arts	0.5
FIL	X	400	History Of Motion Pictures	Performing Fine Arts	0.5
FIL	X	420	INTRODUCTION TO FILM PRODUCTION I (L)	Performing Fine Arts	0.5
FIL	X	423	FILMMAKING I (L)	Performing Fine Arts	0.5
FIL	X	506	Critical Methods	Performing Fine Arts	0.5
GRA	X	101	GRAPHIC DESIGN FOR NON-MAJORS	Performing Fine Arts	0.5
GRA	X	111	GRAPHIC DESIGN I	Performing Fine Arts	0.5
GRA	X	122	DESKTOP PUBLISHING	Performing Fine Arts	0.5
GRA	X	151	Computer Graphics I	Performing Fine Arts	0.5
GRA	X	152	Computer Graphics II	Performing Fine Arts	0.5
GRA	X	190	Graphics Design I	Performing Fine Arts	0.5
GRA	X	191	Graphics Design II	Performing Fine Arts	0.5
GRA	X	500	Introduction To Graphic Arts	Performing Fine Arts	0.5
GRA	X	543	Graphic Design	Performing Fine Arts	0.5
GRA	X	740	Presentations	Performing Fine Arts	0.5
GRA	X	743	Commercial Illustration	Performing Fine Arts	0.5
GRA	X	802	Computer Graphics For Artists	Performing Fine Arts	0.5
MUE	X	290	MUSIC SKILLS - - NONMUSIC MAJORS	Performing Fine Arts	0.5
MUH	X	011	Music Appreciation I	Performing Fine Arts	0.5
MUH	X	012	INTRO TO MUSIC HISTORY-APPREC II	Performing Fine Arts	0.5
MUH	X	017	CONTEMPORARY JAZZ	Performing Fine Arts	0.5
MUH	X	018	Jazz History And Appreciation	Performing Fine Arts	0.5
MUH	X	051	MUSIC/TRIBAL & FOLK CULTURES-NONMAJOR	Performing Fine Arts	0.5
MUH	X	052	CONTEMPORARY MUSIC CULTURES	Performing Fine Arts	0.5
MUH	X	110	Introduction To Music History & Lit	Performing Fine Arts	0.5
MUH	X	111	INTRODUCTION TO MUS HISTORY I	Performing Fine Arts	0.5
MUH	X	112	INTRODUCTION TO MUSIC HISTORY	Performing Fine Arts	0.5
MUH	X	371	20 th Century Music	Performing Fine Arts	0.5
MUH	X	632	MUSIC IN THE UNITED STATES	Performing Fine Arts	0.5
MUL	X	010	Music Appreciation	Performing Fine Arts	0.5
MUL	X	110	Survey Of Music Literature	Performing Fine Arts	0.5
MUL	X	111	INTRO TO MUS LIT I (MUSIC MAJORS)	Performing Fine Arts	0.5
MUL	X	112	INTRO TO MUS LIT II (MUSIC MAJORS)	Performing Fine Arts	0.5
MUL	X	380	Jazz And Popular Music In America	Performing Fine Arts	0.5
MUM	X	600	Recording Techniques	Performing Fine Arts	0.5
MUN	X	310	College Chorus	Performing Fine Arts	0.5
MUN	X	340	Chamber Singers	Performing Fine Arts	0.5
MUN	X	450	Piano Ensemble	Performing Fine Arts	0.5
MUS	X	360	Music and Computers	Performing Fine Arts	0.5
MUS	X	550	Music Technology	Performing Fine Arts	0.5
MUT	X	001	Fundamentals of Music	Performing Fine Arts	0.5
MUT	X	011	Music Theory For Nonmajors	Performing Fine Arts	0.5
MUT	X	111	Music Theory I	Performing Fine Arts	0.5
MUT	X	112	MUSIC THEORY II	Performing Fine Arts	0.5
MUT	X	116	2ND YR MUSIC THEORY I	Performing Fine Arts	0.5

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED
MUT	X	117	2ND YR MUSIC THEORY II	Performing Fine Arts	0.5
MUT	X	121	Music Theory I	Performing Fine Arts	0.5
MUT	X	122	Music Theory II	Performing Fine Arts	0.5
MUT	X	126	Music Theory III	Performing Fine Arts	0.5
MUT	X	127	Music Theory IV	Performing Fine Arts	0.5
PGY	X	100	Basic Photography For Nonmajors	Performing Fine Arts	0.5
PGY	X	102	Photography II For Nonmajors	Performing Fine Arts	0.5
PGY	X	103	PHOTOGRAPHY TECHNIQUES - AS ONLY	Performing Fine Arts	0.5
PGY	X	400	PRINCIPLES OF PHOTOGRAPHY - AS ONLY	Performing Fine Arts	0.5
PGY	X	401	Photography I For Majors	Performing Fine Arts	0.5
PGY	X	410	Photography II	Performing Fine Arts	0.5
PGY	X	420	Advanced B&W Photography	Performing Fine Arts	0.5
PGY	X	750	Introduction To Video Art	Performing Fine Arts	0.5
PGY	X	801	Digital Photography I	Performing Fine Arts	0.5
PGY	X	802	Digital Photography II	Performing Fine Arts	0.5
PGY	X	890	DIGITAL IMAGE PROCESSING	Performing Fine Arts	0.5
RTV	X	300	BROADCAST NEWS (A.S.)	Performing Fine Arts	0.5
SPC	X	010	SURVEY PUBLIC SPEAKING/LISTENING	Performing Fine Arts	0.5
SPC	X	016	PUBLIC SPEAKING/ INTERPERSONAL	Performing Fine Arts	0.5
SPC	X	023	FUNDAMENTALS OF SPEECH	Performing Fine Arts	0.5
SPC	X	024	PUB SPEAKING GR DISC INTERPSNL & LIST	Performing Fine Arts	0.5
SPC	X	060	BUSINESS AND PROFESSIONAL COMMUNICATIONS	Performing Fine Arts	0.5
SPC	X	062	BUSINESS AND PROFESSIONAL COMMUNICATIONS	Performing Fine Arts	0.5
SPC	X	300	FUNDAMENTALS OF INTERPERSONAL COM	Performing Fine Arts	0.5
SPC	X	511	ARGUMENTATION AND DEBATE	Performing Fine Arts	0.5
SPC	X	541	PERSUASION	Performing Fine Arts	0.5
SPC	X	600	Public Speaking I	Performing Fine Arts	0.5
THE	X	000	Theatre Appreciation	Performing Fine Arts	0.5
THE	X	010	Survey of Drama: Ancient Greece to Early Renaissance	Performing Fine Arts	0.5
THE	X	011	Survey of Drama: High Renaissance to Present	Performing Fine Arts	0.5
THE	X	020	Introduction To Theatre	Performing Fine Arts	0.5
THE	X	030	Introduction Theatre I	Performing Fine Arts	0.5
THE	X	071	Cinema Arts	Performing Fine Arts	0.5
THE	X	100	INTRODUCTION TO THEATRE HISTORY	Performing Fine Arts	0.5
THE	X	300	DRAMATIC LITERATURE	Performing Fine Arts	0.5
THE	X	305	SURVEY OF DRAMATIC LITERATURE	Performing Fine Arts	0.5
THE	X	820	CREATIVE DRAMATICS	Performing Fine Arts	0.5
THE	X	925	Play Production	Performing Fine Arts	0.5
TPA	X	000	Introduction To Theatre Design	Performing Fine Arts	0.5
TPA	X	210	Stagecraft I	Performing Fine Arts	0.5
TPA	X	220	Stage Lighting	Performing Fine Arts	0.5
TPA	X	230	Theatre Costuming I	Performing Fine Arts	0.5
TPA	X	231	ADVANCED THEATRE COSTUMING	Performing Fine Arts	0.5
TPP	X	100	Acting I	Performing Fine Arts	0.5
TPP	X	110	Acting I (Majors)	Performing Fine Arts	0.5
TPP	X	111	Acting II	Performing Fine Arts	0.5
TPP	X	700	Voice Preparation for the Actor	Performing Fine Arts	0.5

PHYSICAL EDUCATION

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED
HLP	X	081	Personal Health And Fitness	Physical Education: Personal Fitness	0.5
HLP	X	082	PERSONAL WELLNESS	Physical Education: Personal Fitness	0.5
HLP	X	083	Human Performance	Physical Education: Personal Fitness	0.5

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED
HSC	X	100	Personal Health	Physical Education: Personal Fitness	0.5
HSC	X	101	Perspectives of Health and Wellness	Physical Education: Personal Fitness	0.5
HSC	X	102	HEALTHFUL LIVING I	Physical Education: Personal Fitness	0.5
HUN	X	003	Wellness:Nutrition, Personal Growth, Fitness	Physical Education: Personal Fitness	0.5
PET	X	303	Appl. Of Scientific Prin. To Conditioning Programs	Physical Education: Personal Fitness	0.5

PRACTICAL ARTS/CAREER EDUCATION CREDIT

All 3-credit (or equivalent) postsecondary courses taken through dual enrollment that are part of a postsecondary career / technical program of study (PSAV Certificate, Technical Certificate, Advanced Technical Certificate, ATD, AAS, AS) shall be awarded 0.5 Practical Arts/Career Education credits toward high school graduation.

Note: Students seeking to meet the requirements of a 3-year Career Preparatory Diploma or a Gold Seal Vocational Scholarship through dual enrollment must carefully choose dual enrollment courses that meet the requirements for 3 sequential credits in one career education program.

SCIENCE

Criteria for Awarding High School Subject Area Credit in Science:

- Since all high school science courses (with lab) are awarded 1.0 high school science credits, then all college-level dual enrollment science courses (with lab) will be awarded 1.0 high school science credits.
- College-level dual enrollment science courses **taken without a lab component** will be awarded 0.5 high school science credits.
- Note: Section 1003.43(1)l, Florida Statutes, states that high school graduation requirements include successful completion of "Three credits in science, two of which must have a laboratory component." Regardless of the number of science credits earned through dual enrollment, the requirement of two sciences **with a lab component** must be met to graduate.

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED	GE
AST	X	002	Introduction To Astronomy (Lecture Only)	Science	0.5	
AST	X	002/002L	Introduction To Astronomy (Lecture and Lab Course)	Science	1.0	
AST	X	002C	Introduction To Astronomy (Combined Lecture and Lab)	Science	1.0	
AST	X	003	DESCRIPTIVE ASTRONOMY OF SOLAR SYSTEM (Lecture Only)	Science	0.5	
AST	X	003/003L	DESCRIPTIVE ASTRONOMY OF SOLAR SYSTEM (Lecture and Lab Course)	Science	1.0	
AST	X	003C	DESCRIPTIVE ASTRONOMY OF SOLAR SYSTEM (Combined Lecture and Lab)	Science	1.0	
AST	X	004	DESCRIPTIVE STELLAR ASTRONOMY (Lecture Only)	Science	0.5	
AST	X	004/004L	DESCRIPTIVE STELLAR ASTRONOMY (Lecture and Lab Course)	Science	1.0	
AST	X	004C	DESCRIPTIVE STELLAR ASTRONOMY (Combined Lecture and Lab)	Science	1.0	

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED	GE
AST	X	005	Astronomy I (Lecture Only)	Science	0.5	
AST	X	005/005L	Astronomy I (Lecture and Lab Course)	Science	1.0	
AST	X	005C	Astronomy I (Combined Lecture and Lab)	Science	1.0	
AST	X	006	Astronomy II (Lecture Only)	Science	0.5	
AST	X	006/006L	Astronomy II (Lecture and Lab Course)	Science	1.0	
AST	X	006C	Astronomy II (Combined Lecture and Lab)	Science	1.0	
AST	X	100	SOLAR SYSTEM ASTRONOMY (Lecture Only)	Science	0.5	
AST	X	100/100L	SOLAR SYSTEM ASTRONOMY (Lecture and Lab Course)	Science	1.0	
AST	X	100C	SOLAR SYSTEM ASTRONOMY (Combined Lecture and Lab)	Science	1.0	
BOT	X	000	PLANT SCIENCE (Lecture Only)	Science	0.5	
BOT	X	000/000L	PLANT SCIENCE (Lecture and Lab Course)	Science	1.0	
BOT	X	000C	PLANT SCIENCE (Combined Lecture and Lab)	Science	1.0	
BOT	X	010	Introductory Botany (Lecture Only)	Science	0.5	**
BOT	X	010/010L	Introductory Botany (Lecture and Lab Course)	Science	1.0	**
BOT	X	010C	Introductory Botany (Combined Lecture and Lab)	Science	1.0	**
BOT	X	011	Botany (Lecture Only)	Science	0.5	
BOT	X	011/011L	Botany (Lecture and Lab Course)	Science	1.0	
BOT	X	011C	Botany (Combined Lecture and Lab)	Science	1.0	
BOT	X	153	LOCAL FLORA (Lecture Only)	Science	0.5	
BOT	X	153/153L	LOCAL FLORA (Lecture and Lab Course)	Science	1.0	
BOT	X	153C	LOCAL FLORA (Combined Lecture and Lab)	Science	1.0	
BOT	X	501	INTRODUCTORY PLANT PHYSIOLOGY (Lecture Only)	Science	0.5	
BOT	X	501/501L	INTRODUCTORY PLANT PHYSIOLOGY (Lecture and Lab Course)	Science	1.0	
BOT	X	501C	INTRODUCTORY PLANT PHYSIOLOGY (Combined Lecture and Lab)	Science	1.0	
BOT	X	710	BASIC PLANT TAXONOMY (Lecture Only)	Science	0.5	
BOT	X	710/710L	BASIC PLANT TAXONOMY (Lecture and Lab Course)	Science	1.0	
BOT	X	710C	BASIC PLANT TAXONOMY (Combined Lecture and Lab)	Science	1.0	
BSC	X	001	Introduction to Biology (Lecture Only)	Science	0.5	
BSC	X	001/001L	Introduction to Biology (Lecture and Lab Course)	Science	1.0	
BSC	X	001C	Introduction to Biology (Combined Lecture and Lab)	Science	1.0	
BSC	X	005	General Biology (Non-Majors) (Lecture Only)	Science	0.5	
BSC	X	005/005L	General Biology (Non-Majors) (Combined Lecture and Lab)	Science	1.0	
BSC	X	005C	General Biology (Non-Majors) (Combined Lecture and Lab)	Science	1.0	
BSC	X	006	General Biology (Lecture Only)	Science	0.5	
BSC	X	006/006L	General Biology (Lecture And Lab Course)	Science	1.0	
BSC	X	006C	General Biology (Combined Lecture And Lab)	Science	1.0	
BSC	X	007	Life Sciences (Lecture Only)	Science	0.5	
BSC	X	007/007L	Life Sciences (Lecture and Lab Course)	Science	1.0	
BSC	X	007C	Life Sciences (Combined Lecture and Lab)	Science	1.0	
BSC	X	008	BIO SCI II: EVOLUTION, ECOLOGY & BEHAVIOR (Lecture Only)	Science	0.5	
BSC	X	008/008L	BIO SCI II: EVOLUTION, ECOLOGY & BEHAVIOR (Lecture and Lab Course)	Science	1.0	
BSC	X	008C	BIO SCI II: EVOLUTION, ECOLOGY & BEHAVIOR (Combined Lecture and Lab)	Science	1.0	
BSC	X	009	Introduction To Biology (Lecture Only)	Science	0.5	
BSC	X	009/009L	Introduction To Biology (Lecture and Lab Course)	Science	1.0	
BSC	X	009C	Introduction To Biology (Combined Lecture and Lab)	Science	1.0	
BSC	X	010	General Biology (Lecture Only)	Science	0.5	**
BSC	X	010/010L	General Biology (Lecture and Lab Course)	Science	1.0	**
BSC	X	010C	General Biology (Combined Lecture and Lab)	Science	1.0	**
BSC	X	011	General Biology (Lecture Only)	Science	0.5	
BSC	X	011/011L	General Biology (Lecture and Lab Course)	Science	1.0	
BSC	X	011C	General Biology (Combined Lecture and Lab)	Science	1.0	
BSC	X	012	GENERAL BIOLOGY: HABITATS & ORGANISMS (Lecture Only)	Science	0.5	
BSC	X	012/012L	GENERAL BIOLOGY: HABITATS & ORGANISMS (Lecture and Lab Course)	Science	1.0	
BSC	X	012C	GENERAL BIOLOGY: HABITATS & ORGANISMS (Combined Lecture and Lab)	Science	1.0	

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED	GE
BSC	X	020	Human Biology (Lecture Only)	Science	0.5	
BSC	X	020/020L	Human Biology (Lecture and Lab Course)	Science	1.0	
BSC	X	020C	Human Biology (Combined Lecture and Lab)	Science	1.0	
BSC	X	022	BIOLOGY OF AGING (Lecture Only)	Science	0.5	
BSC	X	022/002L	BIOLOGY OF AGING (Lecture and Lab Course)	Science	1.0	
BSC	X	022C	BIOLOGY OF AGING (Combined Lecture and Lab)	Science	1.0	
BSC	X	023	Human Biology (Lecture Only)	Science	0.5	
BSC	X	023/023L	Human Biology (Lecture and Lab Course)	Science	1.0	
BSC	X	023C	Human Biology (Combined Lecture and Lab)	Science	1.0	
BSC	X	024	HUMAN SPECIES (Lecture Only)	Science	0.5	
BSC	X	024/024L	HUMAN SPECIES (Lecture and Lab Course)	Science	1.0	
BSC	X	024C	HUMAN SPECIES (Combined Lecture and Lab)	Science	1.0	
BSC	X	025	NUTRITION AND DRUGS (Lecture Only)	Science	0.5	
BSC	X	025/025L	NUTRITION AND DRUGS (Lecture and Lab Only)	Science	1.0	
BSC	X	025C	NUTRITION AND DRUGS (Combined Lecture and Lab)	Science	1.0	
BSC	X	040	Honors Biology I (Lecture Only)	Science	0.5	
BSC	X	040/040L	Honors Biology I (Lecture and Lab Course)	Science	1.0	
BSC	X	040C	Honors Biology I (Combined Lecture and Lab)	Science	1.0	
BSC	X	041	Honors Biology II (Lecture Only)	Science	0.5	
BSC	X	041/041L	Honors Biology II (Lecture and Lab Course)	Science	1.0	
BSC	X	041C	Honors Biology II (Combined Lecture and Lab)	Science	1.0	
BSC	X	050	Man & Environment (Lecture Only)	Science	0.5	
BSC	X	050/050L	Man & Environment (Lecture and Lab Course)	Science	1.0	
BSC	X	050C	Man & Environment (Combined Lecture and Lab)	Science	1.0	
BSC	X	051	Specialized Environmental Biology (Lecture Only)	Science	0.5	
BSC	X	051/051L	Specialized Environmental Biology (Lecture And Lab Course)	Science	1.0	
BSC	X	051C	Specialized Environmental Biology (Combined Lecture And Lab)	Science	1.0	
BSC	X	080	ANATOMY & PHYSIOLOGY (1 SEM.) (Non-HS Maj.) No Prereq (Lecture Only)	Science	0.5	
BSC	X	080/080L	ANATOMY & PHYSIOLOGY (1 SEM.) (Non-HS Maj.) No Prereq (Lecture and Lab Course)	Science	1.0	
BSC	X	080C	ANATOMY & PHYSIOLOGY (1 SEM.) (Non-HS Maj.) No Prereq (Combined Lecture and Lab)	Science	1.0	
BSC	X	083	Human Anatomy (Lecture Only)	Science	0.5	
BSC	X	083/083L	Human Anatomy (Lecture and Lab Course)	Science	1.0	
BSC	X	083C	Human Anatomy (Combined Lecture and Lab)	Science	1.0	
BSC	X	084	Anatomy & Physiology I (Lecture Only)	Science	0.5	
BSC	X	084/084L	Anatomy & Physiology I (Lecture and Lab Course)	Science	1.0	
BSC	X	084C	Anatomy & Physiology I (Combined Lecture and Lab)	Science	1.0	
BSC	X	085	Anatomy & Physiology I (Lecture Only)	Science	0.5	
BSC	X	085/085L	Anatomy & Physiology I (Lecture and Lab Course)	Science	1.0	
BSC	X	085C	Anatomy & Physiology I (Combined Lecture and Lab)	Science	1.0	
BSC	X	086	Anatomy & Physiology II (Lecture Only)	Science	0.5	
BSC	X	086/086L	Anatomy & Physiology II (Lecture and Lab Course)	Science	1.0	
BSC	X	086C	Anatomy & Physiology II (Combined Lecture and Lab)	Science	1.0	
BSC	X	088	HUMAN PHYSIOLOGY (PHYSIOLOGY ONLY) (HS Maj.) No Prereq (Lecture Only)	Science	0.5	
BSC	X	088/088L	HUMAN PHYSIOLOGY (PHYSIOLOGY ONLY) (HS Maj.) No Prereq (Lecture and Lab Course)	Science	1.0	
BSC	X	088C	HUMAN PHYSIOLOGY (PHYSIOLOGY ONLY) (HS Maj.) No Prereq (Combined Lecture and Lab)	Science	1.0	
BSC	X	092	ANATOMY & PHYSIOLOGY (1 SEM) (HS Maj.) with Prereq (Lecture Only)	Science	0.5	
BSC	X	092/092L	ANATOMY & PHYSIOLOGY (1 SEM) (HS Maj.) with Prereq (Lecture and Lab Course)	Science	1.0	
BSC	X	092C	ANATOMY & PHYSIOLOGY (1 SEM) (HS Maj.) with Prereq (Combined Lecture and Lab)	Science	1.0	
BSC	X	093	Anatomy & Physiology I (Lecture Only)	Science	0.5	
BSC	X	093/093L	Anatomy & Physiology I (Lecture and Lab Course)	Science	1.0	
BSC	X	093C	Anatomy & Physiology I (Combined Lecture and Lab)	Science	1.0	

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BSC	X	094	Anatomy & Physiology II (Lecture Only)	Science	0.5	
BSC	X	094/094L	Anatomy & Physiology II (Lecture and Lab Course)	Science	1.0	
BSC	X	094C	Anatomy & Physiology II (Combined Lecture and Lab)	Science	1.0	
BSC	X	250	FLORA & FAUNA OF FLORIDA (Lecture Only)	Science	0.5	
BSC	X	250/250L	FLORA & FAUNA OF FLORIDA (Lecture and Lab Course)	Science	1.0	
BSC	X	250C	FLORA & FAUNA OF FLORIDA (Combined Lecture and Lab)	Science	1.0	
BSC	X	254	INTRODUCTORY TROPICAL BIOLOGY (Lecture Only)	Science	0.5	
BSC	X	254/254L	INTRODUCTORY TROPICAL BIOLOGY (Lecture and Lab Course)	Science	1.0	
BSC	X	254C	INTRODUCTORY TROPICAL BIOLOGY (Combined Lecture and Lab)	Science	1.0	
BSC	X	300	BIOLOGY SYSTEMS I (Lecture Only)	Science	0.5	
BSC	X	300/300L	BIOLOGY SYSTEMS I (Lecture and Lab Course)	Science	1.0	
BSC	X	300C	BIOLOGY SYSTEMS I (Combined Lecture and Lab)	Science	1.0	
BSC	X	301	BIOLOGICAL SYSTEMS II (Lecture Only)	Science	0.5	
BSC	X	301/301L	BIOLOGICAL SYSTEMS II (Lecture and Lab)	Science	1.0	
BSC	X	301C	BIOLOGICAL SYSTEMS II (Combined Lecture and Lab)	Science	1.0	
BSC	X	311	Introduction To Marine Biology (Lecture Only)	Science	0.5	
BSC	X	311/311L	Introduction To Marine Biology (Lecture and Lab Course)	Science	1.0	
BSC	X	311C	Introduction To Marine Biology (Combined Lecture and Lab)	Science	1.0	
BSC	X	312	Marine Biology (Broad Concepts) (Lecture Only)	Science	0.5	
BSC	X	312/312L	Marine Biology (Broad Concepts) (Lecture and Lab Course)	Science	1.0	
BSC	X	312C	Marine Biology (Broad Concepts) (Combined Lecture and Lab)	Science	1.0	
BSC	X	420	Biotechnology (Lecture Only)	Science	0.5	
BSC	X	420/420L	Biotechnology (Lecture and Lab Course)	Science	1.0	
BSC	X	420C	Biotechnology (Combined Lecture and Lab)	Science	1.0	
BSC	X	421	Biotechnology In Industry (Lecture Only)	Science	0.5	
BSC	X	421/421L	Biotechnology In Industry (Lecture and Lab Course)	Science	1.0	
BSC	X	421C	Biotechnology In Industry (Combined Lecture and Lab)	Science	1.0	
BSC	X	427	BIOTECHNOLOGY METHODS II (Lecture Only)	Science	0.5	
BSC	X	427/427L	BIOTECHNOLOGY METHODS II (Lecture and Lab Course)	Science	1.0	
BSC	X	427C	BIOTECHNOLOGY METHODS II (Combined Lecture and Lab)	Science	1.0	
CHM	X	020	Chemical Science (Lecture Only)	Science	0.5	
CHM	X	020/020L	Chemical Science (Lecture and Lab Course)	Science	1.0	
CHM	X	020C	Chemical Science (Combined Lecture and Lab)	Science	1.0	
CHM	X	021	CHEMISTRY FOR LIBERAL STUDIES II (Lecture Only)	Science	0.5	
CHM	X	021/021L	CHEMISTRY FOR LIBERAL STUDIES II (Lecture and Lab Course)	Science	1.0	
CHM	X	021C	CHEMISTRY FOR LIBERAL STUDIES II (Combined Lecture and Lab)	Science	1.0	
CHM	X	022	General Chemistry (Lecture Only)	Science	0.5	
CHM	X	022/022L	General Chemistry (Lecture and Lab Course)	Science	1.0	
CHM	X	022C	General Chemistry (Combined Lecture and Lab)	Science	1.0	
CHM	X	023	General Chemistry II (Lecture Only)	Science	0.5	
CHM	X	023/023L	General Chemistry II (Lecture and Lab Course)	Science	1.0	
CHM	X	023C	General Chemistry II (Combined Lecture and Lab)	Science	1.0	
CHM	X	025	Introduction to Chemistry (Lecture Only)	Science	0.5	
CHM	X	025/025L	Introduction to Chemistry (Lecture and Lab Course)	Science	1.0	
CHM	X	025C	Introduction to Chemistry (Combined Lecture and Lab)	Science	1.0	
CHM	X	026	ADVANCED CHEMICAL CALCULATIONS (Lecture Only)	Science	0.5	
CHM	X	026/026L	ADVANCED CHEMICAL CALCULATIONS (Lecture and Lab Course)	Science	1.0	
CHM	X	026C	ADVANCED CHEMICAL CALCULATIONS (Combined Lecture and Lab)	Science	1.0	
CHM	X	030	Elementary Chemistry (Lecture Only)	Science	0.5	
CHM	X	030/030L	Elementary Chemistry (Lecture and Lab Course)	Science	1.0	
CHM	X	030C	Elementary Chemistry (Combined Lecture and Lab)	Science	1.0	

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CHM	X	031	Sci Allied Fields-Gen/Org/Biochm(2 of 2) (Lecture Only)	Science	0.5	
CHM	X	031/031L	Sci Allied Fields-Gen/Org/Biochm(2 of 2) (Lecture and Lab Course)	Science	1.0	
CHM	X	031C	Sci Allied Fields-Gen/Org/Biochm(2 of 2) (Combined Lecture and Lab)	Science	1.0	
CHM	X	032	GEN CHEM SCI ALLIED FIELDS(ONE SEMESTER) (Lecture Only)	Science	0.5	
CHM	X	032/032L	GEN CHEM SCI ALLIED FIELDS(ONE SEMESTER) (Lecture and Lab Course)	Science	1.0	
CHM	X	032C	GEN CHEM SCI ALLIED FIELDS(ONE SEMESTER) (Combined Lecture and Lab)	Science	1.0	
CHM	X	033	SCI ALLIED FIELDS-GEN/ORG/BIOCHM(1 SEM) (Lecture Only)	Science	0.5	
CHM	X	033/033L	SCI ALLIED FIELDS-GEN/ORG/BIOCHM(1 SEM) (Lecture and Lab Course)	Science	1.0	
CHM	X	033C	SCI ALLIED FIELDS-GEN/ORG/BIOCHM(1 SEM) (Combined Lecture and Lab)	Science	1.0	
CHM	X	035	Expanded General Chemistry (1 of 2) (Lecture Only)	Science	0.5	
CHM	X	035/035L	Expanded General Chemistry (1 of 2) (Lecture and Lab Course)	Science	1.0	
CHM	X	035C	Expanded General Chemistry (1 of 2) (Combined Lecture and Lab)	Science	1.0	
CHM	X	040	General Chem (Expanded Sequence:1 of 3) (Lecture Only)	Science	0.5	
CHM	X	040/040L	General Chem (Expanded Sequence:1 of 3) (Lecture and Lab Course)	Science	1.0	
CHM	X	040C	General Chem (Expanded Sequence:1 of 3) (Combined Lecture and Lab)	Science	1.0	
CHM	X	041	General Chem (Expanded Sequence:2 of 3) (Lecture Only)	Science	0.5	
CHM	X	041/041L	General Chem (Expanded Sequence:2 of 3) (Lecture and Lab Course)	Science	1.0	
CHM	X	041C	General Chem (Expanded Sequence:2 of 3) (Combined Lecture and Lab)	Science	1.0	
CHM	X	045	General Chemistry (Lecture Only)	Science	0.5	**
CHM	X	045/045L	General Chemistry I (Lecture and Lab Course)	Science	1.0	**
CHM	X	045C	General Chemistry I (Combined Lecture and Lab)	Science	1.0	**
CHM	X	046	General Chemistry (Lecture Only)	Science	0.5	
CHM	X	046/046L	General Chemistry (Lecture and Lab Course)	Science	1.0	
CHM	X	046C	General Chemistry (Combined Lecture and Lab)	Science	1.0	
CHM	X	047	General Chemistry (Lecture Only)	Science	0.5	
CHM	X	047/047L	General Chemistry (Lecture and Lab Course)	Science	1.0	
CHM	X	047C	General Chemistry (Combined Lecture and Lab)	Science	1.0	
CHM	X	050	General Chemistry and Qualitative Analysis (Lecture Only)	Science	0.5	
CHM	X	050/050L	General Chemistry and Qualitative Analysis (Lecture and Lab Course)	Science	1.0	
CHM	X	050C	General Chemistry and Qualitative Analysis (Combined Lecture and Lab)	Science	1.0	
CHM	X	051	Honors: General Chemistry (2 of 2) (Lecture Only)	Science	0.5	
CHM	X	051/051L	Honors: General Chemistry (2 of 2) (Lecture and Lab Course)	Science	1.0	
CHM	X	051C	Honors: General Chemistry (2 of 2) (Combined Lecture and Lab)	Science	1.0	
CHM	X	084	Environmental Chemistry (Lecture Only)	Science	0.5	
CHM	X	084/084L	Environmental Chemistry (Lecture and Lab Course)	Science	1.0	
CHM	X	084C	Environmental Chemistry (Combined Lecture and Lab)	Science	1.0	
CHM	X	120	QUANTITATIVE ANALYSIS (Lecture Only)	Science	0.5	
CHM	X	120/120L	QUANTITATIVE ANALYSIS (Lecture and Lab Course)	Science	1.0	
CHM	X	120C	QUANTITATIVE ANALYSIS (Combined Lecture and Lab)	Science	1.0	
CHM	X	121	HONORS QUANTITATIVE ANALYSIS (Lecture Only)	Science	0.5	
CHM	X	121/121L	HONORS QUANTITATIVE ANALYSIS (Lecture and Lab Course)	Science	1.0	
CHM	X	121C	HONORS QUANTITATIVE ANALYSIS (Combined Lecture and Lab)	Science	1.0	
CHM	X	132	CHEMICAL INSTRUMENTATION SURVEY (Lecture Only)	Science	0.5	
CHM	X	132/132L	CHEMICAL INSTRUMENTATION SURVEY (Lecture and Lab Course)	Science	1.0	
CHM	X	132C	CHEMICAL INSTRUMENTATION SURVEY W/LAB (Combined Lecture and Lab)	Science	1.0	

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CHM	X	200	BRIEF ORGANIC CHEMISTRY (Lecture Only)	Science	0.5	
CHM	X	200/200L	BRIEF ORGANIC CHEMISTRY (Lecture and Lab Course)	Science	1.0	
CHM	X	200C	BRIEF ORGANIC CHEMISTRY (Combined Lecture and Lab)	Science	1.0	
CHM	X	205	Survey of Organic/Bio Chemistry (Lecture Only)	Science	0.5	
CHM	X	205/205L	Survey of Organic/Bio Chemistry (Lecture and Lab Course)	Science	1.0	
CHM	X	205C	Survey of Organic/Bio Chemistry (Combined Lecture and Lab)	Science	1.0	
CHM	X	210	Organic Chemistry (Lecture Only)	Science	0.5	
CHM	X	210/210L	Organic Chemistry (Lecture and Lab Course)	Science	1.0	
CHM	X	210C	Organic Chemistry (Combined Lecture and Lab)	Science	1.0	
CHM	X	211	Organic Chemistry II (Lecture Only)	Science	0.5	
CHM	X	211/211L	Organic Chemistry II (Lecture and Lab Course)	Science	1.0	
CHM	X	211C	Organic Chemistry II (Combined Lecture and Lab)	Science	1.0	
ENY	X	040	THE INSECTS (Lecture Only)	Science	0.5	
ENY	X	040/040L	THE INSECTS (Lecture and Lab Course)	Science	1.0	
ENY	X	040C	THE INSECTS (Combined Lecture and Lab)	Science	1.0	
ESC	X	000	Earth Science (Lecture Only)	Science	0.5	
ESC	X	000/000L	Earth Science (Lecture and Lab Course)	Science	1.0	
ESC	X	000C	Earth Science (Combined Lecture and Lab)	Science	1.0	
ESC	X	070	Global Change (Lecture Only)	Science	0.5	
ESC	X	070/070L	Global Change (Lecture and Lab Course)	Science	1.0	
ESC	X	070C	Global Change (Combined Lecture and Lab)	Science	1.0	
EVR	X	001	INTRODUCTION TO ENVIRONMENTAL SCIENCE (Lecture Only)	Science	0.5	
EVR	X	001/001L	INTRODUCTION TO ENVIRONMENTAL SCIENCE (COURSE + LAB) (Lecture and Lab Course)	Science	1.0	
EVR	X	001C	INTRODUCTION TO ENVIRONMENTAL SCIENCE (Combined Lecture and Lab)	Science	1.0	
EVS	X	001	Introduction to Environmental Sciences (Lecture Only)	Science	0.5	
EVS	X	001/001L	Introduction to Environmental Sciences (Lecture and Lab Course)	Science	1.0	
EVS	X	001C	Introduction to Environmental Sciences (Combined Lecture and Lab)	Science	1.0	
GLY	X	000	Introduction to Geology (Lecture Only)	Science	0.5	
GLY	X	000/000L	Introduction to Geology (Lecture and Lab Course)	Science	1.0	
GLY	X	000C	Introduction to Geology (Combined Lecture and Lab)	Science	1.0	
GLY	X	001	Elements of Earth Science (Lecture Only)	Science	0.5	
GLY	X	001/001L	Elements of Earth Science (Lecture and Lab Course)	Science	1.0	
GLY	X	001C	Elements of Earth Science (Combined Lecture and Lab)	Science	1.0	
GLY	X	010	Physical Geology (Lecture Only)	Science	0.5	
GLY	X	010/010L	Physical Geology (Lecture and Lab Course)	Science	1.0	
GLY	X	010C	Physical Geology (Combined Lecture and Lab)	Science	1.0	
GLY	X	030	Environmental Geology (Lecture Only)	Science	0.5	
GLY	X	030/030L	Environmental Geology (Lecture and Lab Course)	Science	1.0	
GLY	X	030C	Environmental Geology (Combined Lecture and Lab)	Science	1.0	
GLY	X	050	SCIENCE, EARTH AND LIFE (Lecture Only)	Science	0.5	
GLY	X	050/050L	SCIENCE, EARTH AND LIFE (Lecture and Lab Course)	Science	1.0	
GLY	X	050C	SCIENCE, EARTH AND LIFE (Combined Lecture and Lab)	Science	1.0	
GLY	X	080	Introduction to Marine Sciences (Lecture Only)	Science	0.5	
GLY	X	080/080L	Introduction to Marine Sciences (Lecture and Lab Course)	Science	1.0	
GLY	X	080C	Introduction to Marine Sciences (Combined Lecture and Lab)	Science	1.0	
GLY	X	100	HISTORICAL GEOLOGY(Lecture Only)	Science	0.5	
GLY	X	100/100L	HISTORICAL GEOLOGY (Lecture and Lab Course)	Science	1.0	
GLY	X	100C	HISTORICAL GEOLOGY (Combined Lecture and Lab)	Science	1.0	
GLY	X	103	HISTORY OF EARTH AND ORGANISMS (Lecture Only)	Science	0.5	
GLY	X	103/103L	HISTORY OF EARTH AND ORGANISMS (Lecture and Lab Course)	Science	1.0	
GLY	X	103C	HISTORY OF EARTH AND ORGANISMS (Combined Lecture and Lab)	Science	1.0	
GLY	X	151	Geology & Environment of FL (Lecture Only)	Science	0.5	
GLY	X	151/151L	Geology & Environment of FL (Lecture and Lab Course)	Science	1.0	
GLY	X	151C	Geology & Environment of FL (Combined Lecture and Lab)	Science	1.0	

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GLY	X	171	PHYSIOGRAPHIC FEATURES OF THE U.S. (Lecture Only)	Science	0.5	
GLY	X	171/171L	PHYSIOGRAPHIC FEATURES OF THE U.S. (Lecture and Lab Course)	Science	1.0	
GLY	X	171C	PHYSIOGRAPHIC FEATURES OF THE U.S. (Combined Lecture and Lab)	Science	1.0	
GLY	X	730	MARINE GEOLOGY(Lecture Only)	Science	0.5	
GLY	X	730/730L	MARINE GEOLOGY (Lecture and Lab Course)	Science	1.0	
GLY	X	730C	MARINE GEOLOGY (Combined Lecture and Lab)	Science	1.0	
IDS	X	152	ECOLOGY, POLLUTION, AND MAN (Lecture Only)	Science	0.5	
IDS	X	152/152L	ECOLOGY, POLLUTION, AND MAN (Lecture and Lab Course)	Science	1.0	
IDS	X	152C	ECOLOGY, POLLUTION, AND MAN (Combined Lecture and Lab)	Science	1.0	
ISC	X	001	Integrated "Principles" of Science (Lecture Only)	Science	0.5	
ISC	X	001/001L	Integrated "Principles" of Science (Lecture and Lab Course)	Science	1.0	
ISC	X	001C	Integrated "Principles" of Science (Combined Lecture and Lab)	Science	1.0	
ISC	X	002	INTEGRATED "PRICIPLES" OF SCIENCE (CONT) (Lecture Only)	Science	0.5	
ISC	X	002/002L	INTEGRATED "PRICIPLES" OF SCIENCE (CONT) (Lecture and Lab Course)	Science	1.0	
ISC	X	002C	INTEGRATED "PRICIPLES" OF SCIENCE (CONT) (Combined Lecture and Lab)	Science	1.0	
ISC	X	003	GLOBAL CHANGE, ITS SCIENTIFIC AND HUMAN DIMENSIONS(Lecture Only)	Science	0.5	
ISC	X	003/003L	GLOBAL CHANGE, ITS SCIENTIFIC AND HUMAN DIMENSIONS (Lecture and Lab Course)	Science	1.0	
ISC	X	003C	GLOBAL CHANGE, ITS SCIENTIFIC AND HUMAN DIMENSIONS(Combined Lecture and Lab)	Science	1.0	
ISC	X	004	INTEGRATED NATURAL SCIENCE I: SCIENCE THAT MATTERS (L) (Lecture Only)	Science	0.5	
ISC	X	004/004L	INTEGRATED NATURAL SCIENCE I: SCIENCE THAT MATTERS (L) (Lecture and Lab Course)	Science	1.0	
ISC	X	004C	INTEGRATED NATURAL SCIENCE I: SCIENCE THAT MATTERS (L) (Combined Lecture and Lab)	Science	1.0	
ISC	X	005	INTEGRATED NATURAL SCIENCE II: SCIENCE THAT MATTERS (L) (Lecture Only)	Science	0.5	
ISC	X	005/005L	INTEGRATED NATURAL SCIENCE II: SCIENCE THAT MATTERS (L) (Lecture and Lab Course)	Science	1.0	
ISC	X	005C	INTEGRATED NATURAL SCIENCE II: SCIENCE THAT MATTERS (L) (Combined Lecture and Lab)	Science	1.0	
ISC	X	006	WIDE WORLD OF SCIENCE I (Lecture Only)	Science	0.5	
ISC	X	006/006L	WIDE WORLD OF SCIENCE I (Lecture and Lab Course)	Science	1.0	
ISC	X	006C	WIDE WORLD OF SCIENCE I (Combined Lecture and Lab)	Science	1.0	
ISC	X	007	WIDE WORLD OF SCIENCE II (Lecture Only)	Science	0.5	
ISC	X	007/007L	WIDE WORLD OF SCIENCE II (Lecture and Lab Course)	Science	1.0	
ISC	X	007C	WIDE WORLD OF SCIENCE II (Combined Lecture and Lab)	Science	1.0	
ISC	X	140	Earth and its Environment (Lecture Only)	Science	0.5	
ISC	X	140/140L	Earth and its Environment (Lecture and Lab Course)	Science	1.0	
ISC	X	140C	Earth and its Environment (Combined Lecture and Lab)	Science	1.0	
ISC	X	141	Earth, Sea, and Sky (Lecture Only)	Science	0.5	
ISC	X	141/141L	Earth, Sea, and Sky (Lecture and Lab Course)	Science	1.0	
ISC	X	141C	Earth, Sea, and Sky (Combined Lecture and Lab)	Science	1.0	
MCB	X	000	Intro Microbiology: No Prerequisites (Lecture Only)	Science	0.5	
MCB	X	000/000L	Intro Microbiology: No Prerequisites (Lecture and Lab Course)	Science	1.0	
MCB	X	000C	Intro Microbiology: No Prerequisites (Combined Lecture and Lab)	Science	1.0	
MCB	X	004	Introductory Microbiology: Biology/ Chemistry Prerequisite (Lecture Only)	Science	0.5	
MCB	X	004/004L	Introductory Microbiology: Biology/ Chemistry Prerequisite (Lecture and Lab Course)	Science	1.0	
MCB	X	004C	Introductory Microbiology: Biology/ Chemistry Prerequisite (Combined Lecture and Lab)	Science	1.0	
MCB	X	010	Microbiology (Lecture Only)	Science	0.5	
MCB	X	010/010L	Microbiology (Lecture and Lab Course)	Science	1.0	
MCB	X	010C	Microbiology (Combined Lecture and Lab)	Science	1.0	

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MCB	X	013	Microbiology (Lecture Only)	Science	0.5	
MCB	X	013/013L	Microbiology (Lecture and Lab Course)	Science	1.0	
MCB	X	013C	Microbiology (Combined Lecture and Lab)	Science	1.0	
MCB	X	020	MICROBIOLOGY (Lecture Only)	Science	0.5	
MCB	X	020/020L	MICROBIOLOGY (Lecture and Lab Course)	Science	1.0	
MCB	X	020C	MICROBIOLOGY (Combined Lecture and Lab)	Science	1.0	
MCB	X	278	Intro to Epidemiology of Infectious Diseases W/Lab-Bs 1006c (Lecture Only)	Science	0.5	
MCB	X	278/278L	Intro to Epidemiology of Infectious Diseases W/Lab-Bs 1006c (Lecture and Lab Course)	Science	1.0	
MCB	X	278C	Intro to Epidemiology of Infectious Diseases W/Lab-Bs 1006c (Combined Lecture and Lab)	Science	1.0	
MET	X	001	WEATHER & CLIMATE - GENERAL SURVEY (Lecture Only)	Science	0.5	
MET	X	001/001L	WEATHER & CLIMATE - GENERAL SURVEY (Lecture and Lab Course)	Science	1.0	
MET	X	001C	WEATHER & CLIMATE - GENERAL SURVEY(Combined Lecture and Lab)	Science	1.0	
MET	X	010	Meteorology (Lecture Only)	Science	0.5	
MET	X	010/010L	Meteorology (Lecture and Lab Course)	Science	1.0	
MET	X	010C	Meteorology (Combined Lecture and Lab)	Science	1.0	
MET	X	101	GENERAL CLIMATOLOGY-PHYSICAL PROCESSES (Lecture Only)	Science	0.5	
MET	X	101/101L	GENERAL CLIMATOLOGY-PHYSICAL PROCESSES (Lecture and Lab Course)	Science	1.0	
MET	X	101C	GENERAL CLIMATOLOGY-PHYSICAL PROCESSES (Combined Lecture and Lab)	Science	1.0	
MET	X	700	GENERAL METEOROLOGY – MAJORS (Lecture Only)	Science	0.5	
MET	X	700/700L	GENERAL METEOROLOGY – MAJORS (Lecture and Lab Course)	Science	1.0	
MET	X	700C	GENERAL METEOROLOGY – MAJORS (Combined Lecture and Lab)	Science	1.0	
OCB	X	000	Survey of Marine Biology (Lecture Only)	Science	0.5	
OCB	X	000/000L	Survey of Marine Biology (Lecture and Lab Course)	Science	1.0	
OCB	X	000C	Survey of Marine Biology (Combined Lecture and Lab)	Science	1.0	
OCB	X	003	Marine Biology (Lecture Only)	Science	0.5	
OCB	X	003/003L	Marine Biology (Lecture and Lab Course)	Science	1.0	
OCB	X	003C	Marine Biology (Combined Lecture and Lab)	Science	1.0	
OCB	X	010	Introduction to Marine Biology (Lecture Only)	Science	0.5	
OCB	X	010/010L	Introduction to Marine Biology (Lecture and Lab Course)	Science	1.0	
OCB	X	010C	Introduction to Marine Biology (Combined Lecture and Lab)	Science	1.0	
OCB	X	013	Introduction to Marine Biology (Lecture Only)	Science	0.5	
OCB	X	013/013L	Introduction to Marine Biology (Lecture and Lab Course)	Science	1.0	
OCB	X	013C	Introduction to Marine Biology (Combined Lecture and Lab)	Science	1.0	
OCB	X	630	Introduction to Marine Ecology (Lecture only)	Science	0.5	
OCB	X	630/630L	Introduction to Marine Ecology (Lecture and Lab Course)	Science	1.0	
OCB	X	630C	Introduction to Marine Ecology (Combined Lecture and Lab)	Science	1.0	
OCE	X	000	THE MARINE ENVIRONMENT (Lecture Only)	Science	0.5	
OCE	X	000/000L	THE MARINE ENVIRONMENT (Lecture and Lab Course)	Science	1.0	
OCE	X	000C	THE MARINE ENVIRONMENT (Combined Lecture and Lab)	Science	1.0	
OCE	X	001	Survey of Oceanography (Lecture Only)	Science	0.5	
OCE	X	001/001L	Survey of Oceanography (Lecture and Lab Course)	Science	1.0	
OCE	X	001C	Survey of Oceanography (Combined Lecture and Lab)	Science	1.0	
OCE	X	002	Survey of Oceanography II (Lecture Only)	Science	0.5	
OCE	X	002/002L	Survey of Oceanography II (Lecture and Lab Course)	Science	1.0	
OCE	X	002C	Survey of Oceanography II (Combined Lecture and Lab)	Science	1.0	
OCE	X	005	Survey of Oceanography (Oceanus) (Lecture Only)	Science	0.5	
OCE	X	005/005L	Survey of Oceanography (Oceanus) (Lecture and Lab Course)	Science	1.0	
OCE	X	005C	Survey of Oceanography (Oceanus) (Combined Lecture and Lab)	Science	1.0	
OCE	X	008	OCEANOGRAPHY (U) (Lecture Only)	Science	0.5	
OCE	X	008/008L	OCEANOGRAPHY (U) (Lecture and Lab Course)	Science	1.0	
OCE	X	008C	OCEANOGRAPHY (U) (Combined Lecture and Lab)	Science	1.0	

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED	GE
PCB	X	011	FUNCTIONAL BIOLOGY (Lecture Only)	Science	0.5	
PCB	X	011/011L	FUNCTIONAL BIOLOGY (Lecture and Lab Course)	Science	1.0	
PCB	X	011C	FUNCTIONAL BIOLOGY (Combined Lecture and Lab)	Science	1.0	
PCB	X	030	Introduction to Ecology (Lecture Only)	Science	0.5	
PCB	X	030/030L	Introduction to Ecology (Lecture and Lab Course)	Science	1.0	
PCB	X	030C	Introduction to Ecology (Combined Lecture and Lab)	Science	1.0	
PCB	X	033	General Intro Ecology: Prereq. (Lecture Only)	Science	0.5	
PCB	X	033/033L	General Intro Ecology: Prereq. (Lecture and Lab Course)	Science	1.0	
PCB	X	033C	General Intro Ecology: Prereq. (Combined Lecture and Lab)	Science	1.0	
PCB	X	050	INTRO GENETICS (NON-MAJORS) (Lecture Only)	Science	0.5	
PCB	X	050/050L	INTRO GENETICS (NON-MAJORS) (Lecture and Lab Course)	Science	1.0	
PCB	X	050C	INTRO GENETICS (NON-MAJORS) (Combined Lecture and Lab)	Science	1.0	
PCB	X	061	Genetics (Lecture Only)	Science	0.5	
PCB	X	061/061L	Genetics (Lecture and Lab Course)	Science	1.0	
PCB	X	061C	Genetics (Combined Lecture and Lab)	Science	1.0	
PCB	X	099	Foundations of Human Physiology (Lecture Only)	Science	0.5	
PCB	X	099/099L	Foundations of Human Physiology (Lecture and Lab Course)	Science	1.0	
PCB	X	099C	Foundations of Human Physiology (Combined Lecture and Lab)	Science	1.0	
PCB	X	131	Cell Biology (Lecture Only)	Science	0.5	
PCB	X	131/131L	Cell Biology (Lecture and Lab Course)	Science	1.0	
PCB	X	131C	Cell Biology (Combined Lecture and Lab)	Science	1.0	
PCB	X	300	Aquatic Biology (Lecture Only)	Science	0.5	
PCB	X	300/300L	Aquatic Biology (Lecture and Lab Course)	Science	1.0	
PCB	X	300C	Aquatic Biology (Combined Lecture and Lab)	Science	1.0	
PCB	X	304	RIVER ECOLOGY (Lecture Only)	Science	0.5	
PCB	X	304/304L	RIVER ECOLOGY (Lecture and Lab Course)	Science	1.0	
PCB	X	304C	RIVER ECOLOGY(Combined Lecture and Lab)	Science	1.0	
PCB	X	435	Florida Environmental Systems (Lecture Only)	Science	0.5	
PCB	X	435/435L	Florida Environmental Systems (Lecture and Lab Course)	Science	1.0	
PCB	X	435C	Florida Environmental Systems (Combined Lecture and Lab)	Science	1.0	
PCB	X	440	Basic Florida Ecology (Lecture Only)	Science	0.5	
PCB	X	440/440L	Basic Florida Ecology (Lecture and Lab Course)	Science	1.0	
PCB	X	440C	Basic Florida Ecology (Combined Lecture and Lab)	Science	1.0	
PCB	X	610	INTRO GENETICS AND EVOLUTION (Lecture Only)	Science	0.5	
PCB	X	610/610L	INTRO GENETICS AND EVOLUTION (Lecture and Lab Course)	Science	1.0	
PCB	X	610C	INTRO GENETICS AND EVOLUTION (Combined Lecture and Lab)	Science	1.0	
PCB	X	703	Human Physiology I (Lecture Only)	Science	0.5	
PCB	X	703/703L	Human Physiology I (Lecture and Lab Course)	Science	1.0	
PCB	X	703C	Human Physiology I (Combined Lecture and Lab)	Science	1.0	
PHY	X	001	Technical Phys (Single Course Overview) (Lecture Only)	Science	0.5	
PHY	X	001/001L	Technical Phys (Single Course Overview) (Lecture and Lab Course)	Science	1.0	
PHY	X	001C	Technical Phys (Single Course Overview) (Combined Lecture and Lab)	Science	1.0	
PHY	X	004	Tech Phys I (Lecture Only)	Science	0.5	
PHY	X	004/004L	Tech Phys I (Lecture and Lab Course)	Science	1.0	
PHY	X	004C	Tech Phys I (Combined Lecture and Lab)	Science	1.0	
PHY	X	005	Applied Physics II (Lecture Only)	Science	0.5	
PHY	X	005/005L	Applied Physics II (Lecture and Lab Course)	Science	1.0	
PHY	X	005C	Applied Physics II (Combined Lecture and Lab)	Science	1.0	
PHY	X	007	PHYSICS FOR HEALTH RELATED TECHNOLOGIES (Lecture Only)	Science	0.5	
PHY	X	007/007L	PHYSICS FOR HEALTH RELATED TECHNOLOGIES (Lecture and Lab Course)	Science	1.0	
PHY	X	007C	PHYSICS FOR HEALTH RELATED TECHNOLOGIES (Combined Lecture and Lab)	Science	1.0	
PHY	X	020	Physical Science (Lecture Only)	Science	0.5	
PHY	X	020/020L	Physical Science (Lecture and Lab Course)	Science	1.0	
PHY	X	020C	Physical Science (Combined Lecture and Lab)	Science	1.0	

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED	GE
PHY	X	023	SURVEY OF GENERAL PHYSICS (Lecture Only)	Science	0.5	
PHY	X	023/023L	SURVEY OF GENERAL PHYSICS (Lecture and Lab Course)	Science	1.0	
PHY	X	023C	SURVEY OF GENERAL PHYSICS (Combined Lecture and Lab)	Science	1.0	
PHY	X	025	Basic Physics (One Semester) (Lecture Only)	Science	0.5	
PHY	X	025/025L	Basic Physics (One Semester) (Lecture and Lab Course)	Science	1.0	
PHY	X	025C	Basic Physics (One Semester) (Combined Lecture and Lab)	Science	1.0	
PHY	X	033	DESCRIPTIVE CLASSICAL AND MODERN PHYSICS (Lecture Only)	Science	0.5	
PHY	X	033/033L	DESCRIPTIVE CLASSICAL AND MODERN PHYSICS (Lecture and Lab Course)	Science	1.0	
PHY	X	033C	DESCRIPTIVE CLASSICAL AND MODERN PHYSICS (Combined Lecture and Lab)	Science	1.0	
PHY	X	048	General Physics (Lecture Only)	Science	0.5	**
PHY	X	048/048L	General Physics With Calculus (Lecture and Lab Course)	Science	1.0	**
PHY	X	048C	General Physics With Calculus (Combined Lecture and Lab)	Science	1.0	**
PHY	X	049	General Physics With Calculus II (Lecture Only)	Science	0.5	
PHY	X	049/049L	General Physics With Calculus II (Lecture and Lab Course)	Science	1.0	
PHY	X	049C	General Physics With Calculus II (Combined Lecture and Lab)	Science	1.0	
PHY	X	053	General Physics I (Lecture Only)	Science	0.5	**
PHY	X	053/053L	General Physics I (Lecture and Lab Course)	Science	1.0	**
PHY	X	053C	General Physics I (Combined Lecture and Lab)	Science	1.0	**
PHY	X	054	General Physics II (Lecture Only)	Science	0.5	
PHY	X	054/054L	General Physics II (Lecture and Lab Course)	Science	1.0	
PHY	X	054C	General Physics II (Combined Lecture and Lab)	Science	1.0	
PHY	X	101	Elements of Modern Physics (Lecture Only)	Science	0.5	
PHY	X	101/101L	Elements of Modern Physics (Lecture and Lab Course)	Science	1.0	
PHY	X	101C	Elements of Modern Physics (Combined Lecture and Lab)	Science	1.0	
PHY	X	105	MODERN PHYSICS (Lecture Only)	Science	0.5	
PHY	X	105/105L	MODERN PHYSICS (Lecture and Lab Course)	Science	1.0	
PHY	X	105C	MODERN PHYSICS (Combined Lecture and Lab)	Science	1.0	
PHY	X	420	ELEMENTARY WAVE THEORY (L) (Lecture Only)	Science	0.5	
PHY	X	420/420L	ELEMENTARY WAVE THEORY (L) (Lecture and Lab Course)	Science	1.0	
PHY	X	420C	ELEMENTARY WAVE THEORY (L) (Combined Lecture and Lab)	Science	1.0	
PSB	X	000	BASIC PSYCHOBIOLOGY (Lecture Only)	Science	0.5	
PSB	X	000/000L	BASIC PSYCHOBIOLOGY (Lecture and Lab Course)	Science	1.0	
PSB	X	000C	BASIC PSYCHOBIOLOGY (Combined Lecture and Lab)	Science	1.0	
PSC	X	001	IDEAS AND PHILOSOPHY OF SCIENCE (Lecture Only)	Science	0.5	
PSC	X	001/001L	IDEAS AND PHILOSOPHY OF SCIENCE (Lecture and Lab Course)	Science	1.0	
PSC	X	001C	IDEAS AND PHILOSOPHY OF SCIENCE (Combined Lecture and Lab)	Science	1.0	
PSC	X	020	Fundamentals of Physical Science (Lecture Only)	Science	0.5	
PSC	X	020/020L	Fundamentals of Physical Science (Lecture and Lab Course)	Science	1.0	
PSC	X	020C	Fundamentals of Physical Science (Combined Lecture and Lab)	Science	1.0	
PSC	X	104	Physical Science Survey (Lecture Only)	Science	0.5	
PSC	X	104/104L	Physical Science Survey (Lecture and Lab Course)	Science	1.0	
PSC	X	104C	Physical Science Survey (Combined Lecture and Lab)	Science	1.0	
PSC	X	121	General Physical Sciences (Lecture Only)	Science	0.5	
PSC	X	121/121L	General Physical Sciences (Lecture and Lab Course)	Science	1.0	
PSC	X	121C	General Physical Sciences (Combined Lecture and Lab)	Science	1.0	
PSC	X	311	FUNDAMENTALS OF ASTRONOMY AND GEOLOGY (Lecture Only)	Science	0.5	
PSC	X	311/311L	FUNDAMENTALS OF ASTRONOMY AND GEOLOGY (Lecture and Lab Course)	Science	1.0	
PSC	X	311C	FUNDAMENTALS OF ASTRONOMY AND GEOLOGY (Combined Lecture and Lab)	Science	1.0	

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED	GE
PSC	X	321	FUNDAMENTALS OF PHYSICS AND ASTRONOMY (Lecture Only)	Science	0.5	
PSC	X	321/321L	FUNDAMENTALS OF PHYSICS AND ASTRONOMY (Lecture and Lab Course)	Science	1.0	
PSC	X	321C	FUNDAMENTALS OF PHYSICS AND ASTRONOMY (Combined Lecture and Lab)	Science	1.0	
PSC	X	331	FUNDAMENTALS OF CHEMISTRY & GEOLOGY(Lecture Only)	Science	0.5	
PSC	X	331/331L	FUNDAMENTALS OF CHEMISTRY & GEOLOGY (Lecture and Lab Course)	Science	1.0	
PSC	X	331C	FUNDAMENTALS OF CHEMISTRY & GEOLOGY (Combined Lecture and Lab)	Science	1.0	
PSC	X	341	Physical Science (Lecture Only)	Science	0.5	
PSC	X	341/341L	Physical Science (Lecture and Lab Course)	Science	1.0	
PSC	X	341C	Physical Science (Combined Lecture and Lab)	Science	1.0	
PSC	X	512	Physical Science & The Environment (Lecture Only)	Science	0.5	
PSC	X	512/512L	Physical Science & The Environment (Lecture and Lab Course)	Science	1.0	
PSC	X	512C	Physical Science & The Environment (Combined Lecture and Lab)	Science	1.0	
STS	X	300	HUMAN ANATOMY AND PHYSIOLOGY (Lecture Only)	Science	0.5	
STS	X	300/300L	HUMAN ANATOMY AND PHYSIOLOGY (Lecture and Lab Course)	Science	1.0	
STS	X	300C	HUMAN ANATOMY AND PHYSIOLOGY (Combined Lecture and Lab)	Science	1.0	
ZOO	X	010	General Zoology (Lecture Only)	Science	0.5	
ZOO	X	010/010L	General Zoology (Lecture and Lab Course)	Science	1.0	
ZOO	X	010C	General Zoology (Combined Lecture and Lab)	Science	1.0	
ZOO	X	203	GENERAL INVERTEBRATE ZOO (PREREQ) (Lecture Only)	Science	0.5	
ZOO	X	203/230L	GENERAL INVERTEBRATE ZOO (PREREQ) (Lecture and Lab Course)	Science	1.0	
ZOO	X	203C	GENERAL INVERTEBRATE ZOO (PREREQ) (Combined Lecture and Lab)	Science	1.0	
ZOO	X	205	ADVANCED INVERTEBRATE ZOOLOGY (UPPER) (Lecture Only)	Science	0.5	
ZOO	X	205/205L	ADVANCED INVERTEBRATE ZOOLOGY (UPPER) (Lecture and Lab Course)	Science	1.0	
ZOO	X	205C	ADVANCED INVERTEBRATE ZOOLOGY (UPPER) (Combined Lecture and Lab)	Science	1.0	
ZOO	X	303	GENERAL VERTEBRATE ZOOLOGY (Lecture Only)	Science	0.5	
ZOO	X	303/303L	GENERAL VERTEBRATE ZOOLOGY (Lecture and Lab Course)	Science	1.0	
ZOO	X	303C	GENERAL VERTEBRATE ZOOLOGY (Combined Lecture and Lab)	Science	1.0	
ZOO	X	503	Intro to Comparative Animal Behavior (Lecture Only)	Science	0.5	
ZOO	X	503/503L	Intro to Comparative Animal Behavior (Lecture and Lab Course)	Science	1.0	
ZOO	X	503C	Intro to Comparative Animal Behavior (Combined Lecture and Lab)	Science	1.0	
ZOO	X	710	COMPARATIVE VERTEBRATE ANATOMY-LOWER LEVEL (Lecture Only)	Science	0.5	
ZOO	X	710/710L	COMPARATIVE VERTEBRATE ANATOMY-LOWER LEVEL (Lecture and Lab Course)	Science	1.0	
ZOO	X	710C	COMPARATIVE VERTEBRATE ANATOMY-LOWER LEVEL (Combined Lecture and Lab)	Science	1.0	

SOCIAL STUDIES

Social studies requirements for high school graduation in Florida are prescribed by statute. Unless indicated on the list below, all college social science courses taken through dual enrollment receive elective credit.

POSTSECONDARY COURSE COMPLETED THROUGH DUAL ENROLLMENT				HIGH SCHOOL GRADUATION SUBJECT REQUIREMENT SATISFIED	HIGH SCHOOL CREDIT AWARDED
AMH	X	010	Introductory Survey To 1877	Social Studies: American History	0.5
AMH	X	011	Introductory Survey To 1877: Honors	Social Studies: American History	0.5
AMH	X	020	Introductory Survey Since 1877	Social Studies: American History	0.5
AMH	X	041	SURVEY OF THE AMERICAN EXPERIENCE I	SOCIAL STUDIES: AMERICAN HISTORY	0.5
AMH	X	042	SURVEY OF SOCIAL AND CULTURAL HISTORY SINCE 1865	SOCIAL STUDIES: AMERICAN HISTORY	0.5
AMH	X	050	SURVEY OF THE AMERICAN EXPERIENCE II	SOCIAL STUDIES: AMERICAN HISTORY	0.5
ECO	X	000	Introduction To Economics	Social Studies: Economics	0.5
ECO	X	013	Principles Of Macroeconomics	Social Studies: Economics	0.5
ECO	X	023	Microeconomics	Social Studies: Economics	0.5
EGN	X	613	ENGINEERING ECONOMY	SOCIAL STUDIES: ECONOMICS	0.5
POS	X	041	American Government I	Social Studies: American Government	0.5
POS	X	042	American Government	Social Studies: American Government	0.5
POS	X	049	AMERICAN GOVERNMENT	SOCIAL STUDIES: AMERICAN GOVERNMENT	0.5
POS	X	050	AMERICAN GOVERNMENT 1, HONORS	SOCIAL STUDIES: AMERICAN GOVERNMENT	0.5
WOH	X	001	World Civilization	Social Studies: World History	0.5
WOH	X	012	World History To 1500	Social Studies: World History	0.5
WOH	X	022	World History 1500 To Present	Social Studies: World History	0.5
WOH	X	023	MODERN WORLD HISTORY	SOCIAL STUDIES: WORLD HISTORY	0.5
WOH	X	030	WORLD HISTORY SINCE 1815	SOCIAL STUDIES: WORLD HISTORY	0.5

Articulation Coordinating Committee

May 28, 2008

Item 4

Subject: Prerequisites for new community college baccalaureate programs

PROPOSED COMMITTEE ACTION

Approval: Prerequisites for new community college baccalaureate programs.

Supporting Documentation: Some materials included in the packet, others provided at the meeting

Facilitator/Presenter: Ms. Judy Dial

New Community College Baccalaureate Programs: Common Prerequisites

Action Items: Common Prerequisite Recommendations

➤ **New CIPs:**

- Computer Networking (BAS – Florida Community College at Jacksonville) – 11.0901
- Educational Studies (BS – St. Petersburg College) – 13.9999

➤ **New Track:**

- Interdisciplinary Health and Human Studies (BAS – St. Petersburg College) - 51.2211
(Track 2 of 2)

Information Items:

➤ **Add New Community College Baccalaureate Programs to Existing Education CIP**

- Elementary Teacher Education (BS – Chipola College, Daytona Beach Community College, Edison College) – 13.1202
- Exceptional Student Education (BS – Broward Community College, Chipola College, Daytona Beach Community College) – 13.1001
- Middle Grades Science Education (BS – Broward Community College, St. Petersburg College) – 13.1316 – (Track 5 of 5)
- Middle Grades Mathematics (BS – Broward Community College, St. Petersburg College) – 13.1311 – (Track 2 of 2)
- Secondary Mathematics Education (Broward Community College, Daytona Beach Community College) – 13.1311 – (Track 1 of 2)
- Secondary Biology Education (Broward Community College and Daytona Beach Community College) – 13.1322
- Secondary Chemistry Teacher Education (BS - Daytona Beach Community College) – 13.1323
- Secondary Earth/Space Science Education (BS - Daytona Beach Community College) – 13.1316 – (Track 3 of 5)
- Secondary Physics Education (BS – Daytona Beach Community College) – 13.1329

➤ **Add New Community College Baccalaureate Programs to Existing Programs/CIPS - Nursing and Supervision and Management**

- Nursing (BS – Chipola College, Edison College, Florida Community College at Jacksonville, Okaloosa-Walton College) – 51.1601
- Supervision and Management (BAS – Edison College, Florida Community College at Jacksonville, Palm Beach Community College, St. Petersburg College) – 52.0299

Articulation Coordinating Committee

May 28, 2008

Item 5

Subject: Lower Division Teacher Education Experience

PROPOSED COMMITTEE ACTION

Approval: Lower Division Teacher Education Experience.

Supporting Documentation: Materials provided at the meeting

Facilitator/Presenter: Ms. Pat Frohe

Articulation Coordinating Committee

May 28, 2008

Item 6

Subject: Credit-by-Exam Equivalency List update

PROPOSED COMMITTEE ACTION

Approval: Credit-by-Exam Equivalency List update

Supporting Documentation: Materials included in the packet

Facilitator/Presenter: Mr. Matthew Bouck

ARTICULATION COORDINATING COMMITTEE

CREDIT-BY-EXAM EQUIVALENCIES

Initially Adopted November 14, 2001

2008 Revisions approved/adopted by:

Articulation Coordinating Committee – May 28, 2008

State Board of Education – *Pending*

Board of Governors – *Pending*

Section 1007.27(2), Florida Statutes, requires the Articulation Coordinating Committee (ACC) to establish passing scores and course and credit equivalents for Advanced Placement (AP), Advanced International Certificate of Education Program (AICE), International Baccalaureate (IB), and College-Level Examination Program (CLEP) exams. The DANTES/DSST and Excelsior College exam equivalents on the list are not part of that requirement, but are authorized by State Board of Education Rule 6A-10.024.

Public community colleges and universities in Florida are required to award the minimum recommended credit for AP, AICE, IB and CLEP exams as designated. In order to comply with the intent of section 1007.27, Florida Statutes, the ACC recommends that institutions make these equivalents **effective August 1, 2008**.

The following are guidelines to use in applying the list of credit-by-exam equivalents:

AWARDING CREDIT FOR EXAMS

If a student achieves the score listed on an AP, AICE, IB or CLEP exam, state universities and community colleges must award the minimum recommended credit for the course or course numbers listed, **even if they do not offer the course**. Up to 45 total credit-by-exam credits may be awarded.

- Institutions must use the course number listed, unless it would be advantageous for the student to award a specific course number with equal credit that satisfies program prerequisites or other requirements.
- Institutions must award the same number of credits that are ordinarily awarded for the course or the minimum listed, whichever is greater.

- Institutions may award more credit than the minimum listed, but may not use additional course numbers that will automatically transfer. Institutions should carefully consider what is required for students' degree plans before awarding additional credit.
- Credit awarded by exam may not duplicate other credit.
- If no specific course number is listed, but a number of credits is given, institutions must award credit. They may use any appropriate course number in the subject area, or no number.
- If no minimum credit is recommended for a particular exam, award of credit is at the discretion of the institution. Institutions may not use course numbers that will automatically transfer.
- Institutions may not award credit for scores below those listed.
- If students have old scores, institutions may either use the new minimum scores and course equivalents, or the institution's policy in effect when the student took the exam.
- The effective date for the award of credit based on the ACC approved credit-by-exam guidelines applies to the date when scores are submitted, rather than when exams were taken.

GENERAL EDUCATION, COMMON PREREQUISITES, AND GORDON RULE

For purposes of completing the requirements for general education, Gordon Rule, or major prerequisites, credit for specific course numbers awarded by exam should be treated no differently from credit earned in the same courses at the receiving institution.

DANTES/DSST, EXCELSIOR, AND OTHER EXAM PROGRAMS

Institutions are **not** required to initially award credit for DANTES/DSST, or Excelsior (formerly Regents or PEP) exams listed.

However, pursuant to State Board of Education Rule 6A-10.024 (adopted via resolution by the Board of Governors in November 2005) institutions **are** required to accept the credit in transfer if another institution has awarded credit based on the list of equivalents.

Institutions may award credit at their discretion for any exam not listed. All DANTES/DSST and Excelsior exams were reviewed, but course equivalents were only recommended when there was a reasonable equivalent in the Statewide Course Numbering System. Credit awarded for exams not listed may transfer at the discretion of the receiving institution.

ADVANCED PLACEMENT (AP)

Advanced Placement exams are taken after students complete the corresponding Advanced Placement course in high school. Advanced Placement courses are challenging, college-level courses that are designed to parallel typical lower-level undergraduate courses. Exams are developed by committees of college and secondary faculty, and are given to test groups of students in actual college courses to determine appropriate passing scores. Institutions must use the course number listed, unless it would be advantageous for the student to award a specific course number with equal credit that satisfies program prerequisites. More information about Advanced Placement, including descriptions of courses and sample examination questions, is available at <http://apcentral.collegeboard.com>. Page 18 of the AP Calculus Course Description, at http://apcentral.collegeboard.com/apc/public/repository/05836apcoursdescalc0_4313.pdf describes how to award credit for the AP Calculus BC *subscore*.

Exam	AP Exam Score of 3	AP Exam Score of 4	AP Exam Score of 5	Comments
Art History	ARH X000 (min. 3 credits)	ARH X050 and X051 (min. 6 credits)	Same as 4	
Biology	BSC X005C or BSC X005/X005L (min. 4 credits)	BSC X010C or BSC X010/X010L (min. 4 credits)	BSC X010C or BSC X010/X010L and BSC X011C or BSC X011/X011L (min. 8 credits)	
Calculus AB	MAC X311 (min. 4 credits)	Same as 3	Same as 3	
Calculus BC	MAC X311 (min. 4 credits)	MAC X311 and X312 (min. 8 credits)	Same as 4	The BC exam includes a <i>subscore</i> for the AB portion of the exam for Calculus AB credit. Colleges should regard the subscore on the BC exam the same as an AP Calculus AB Exam score.
Chemistry	CHM X020C or CHM X020 /X020L (min. 4 credits)	CHM X045C or CHM X045/X045L or CHM X040/X045L (min. 4 credits)	CHM X045C or CHM X045/X045L and CHM X046 or X046/X046L (min. 8 credits)	
Chinese Language and Culture	One semester of intermediate-level language (min. 3 credits)	Two semesters of intermediate-level language (min. 6 credits)	Same as 4	No literature credit
Computer Science A	CGS X075 (min. 3 credits)	Same as 3	Same as 3	CGS X075 is unique to this exam. Exam content changes frequently.
Computer Science AB	CGS X076 (min. 3 credits)	Same as 3	Same as 3	CGS X076 is unique to this exam. Exam content changes frequently.

Exam	AP Exam Score of 3	AP Exam Score of 4	AP Exam Score of 5	Comments
Economics: Macro	ECO X013 (min. 3 credits)	Same as 3	Same as 3	
Economics: Micro	ECO X023 (min. 3 credits)	Same as 3	Same as 3	
English Language and Composition	ENC X101 (min. 3 credits)	ENC X101 and X102 (min. 6 credits)	Same as 4	
English Literature and Composition	ENC X101 (min. 3 credits)	ENC X101 and either ENC X102 or LIT X005 (min. 6 credits)	Same as 4	LIT X005 is unique to this exam. Literature content varies widely.
Environmental Science	ISC X051 (min. 3 credits)	Same as 3	Same as 3	ISC X051 is unique to this exam. Interdisciplinary environmental studies course
European History	EUH X009 (min. 3 credits)	EUH X000 and X001 (min. 6 credits)	Same as 4	EUH X009 is unique to this exam.
French Language	One semester of intermediate-level language (min. 3 credits)	Two semesters of intermediate-level language (min. 6 credits)	Same as 4	No literature credit
French Literature	One semester introductory literature (min. 3 credits)	Two semesters of introductory literature (min. 6 credits)	Same as 4	
German Language	One semester of intermediate-level language (min. 3 credits)	Two semesters of intermediate-level language (min. 6 credits)	Same as 4	No literature credit
Government and Politics: Comparative	CPO X001 or X002 (min. 3 credits)	Same as 3	Same as 3	
Government and Politics: United States	POS X041 (min. 3 credits)	Same as 3	Same as 3	
Human Geography	GEO X400 or GEO X420 (min. 3 credits)	Same as 3	Same as 3	
Italian Language and Culture	One semester of intermediate-level language (min. 3 credits)	Two semesters of intermediate-level language (min. 6 credits)	Same as 4	No literature credit
Japanese Language and Culture	One semester of intermediate-level language (min. 3 credits)	Two semesters of intermediate-level language (min. 6 credits)	Same as 4	No literature credit
Latin: Latin Literature	LNW X700	Same as 3	Same as 3	LNW X700 is a unique number for this exam. Exam includes Catullus and either Horace, Ovid, or Cicero
Latin: Vergil	LNW X321	Same as 3	Same as 3	

Exam	AP Exam Score of 3	AP Exam Score of 4	AP Exam Score of 5	Comments
Music Theory	MUT X001 if composite score is 3 or higher. MUT X111 and MUT X241 if both aural and non-aural subscores are 3 or higher. (min. 3 credits)	Same as 3	Same as 3	
Physics B	PHY X053C or PHY X053/X053L (min. 4 credits)	PHY X053C or X053/X053L and PHY X054C or X054/X054L (min. 8 credits)	Same as 4	
Physics C: Electricity / Magnetism	PHY X054C or PHY X054/X054L (min. 4 credits)	PHY X049C or PHY X049/X049L (min. 4 credits)	Same as 4	
Physics C: Mechanics	PHY X053C or PHY X053/X053L (min. 4 credits)	PHY X048C or PHY X048/X048L (min. 4 credits)	Same as 4	
Psychology	PSY X012 (min. 3 credits)	Same as 3	Same as 3	
Russian Language and Culture	One semester of intermediate-level language (min. 3 credits)	Two semesters of intermediate-level language (min. 6 credits)	Same as 4	No literature credit
Spanish Language	One semester of intermediate-level language (min. 3 credits)	Two semesters of intermediate-level language (min. 6 credits)	Same as 4	No literature credit
Spanish Literature	One semester introductory literature (min. 3 credits)	Two semesters of introductory literature (min. 6 credits)	Same as 4	
Statistics	STA X014 or STA X023 (min. 3 credits)	Same as 3	Same as 3	
Studio Art: Drawing Portfolio	ART X300C (min. 3 credits)	Same as 3	Same as 3	
Studio Art: 2-D Design Portfolio	ART X201C (min. 3 credits)	Same as 3	Same as 3	
Studio Art: 3-D Design Portfolio	ART X203C (min. 3 credits)	Same as 3	Same as 3	
United States History	AMH X000 (min. 3 credits)	AMH X010 and X020 (min. 6 credits)	Same as 4	
World History	WOH X022 (min. 3 credits)	Same as 3	Same as 3	

CAMBRIDGE AICE (British AS-Level and A-Level)

The AICE program is an international, advanced secondary curriculum and assessment program equivalent to the British system of “A-Levels.” The following list represents the recommendations of the Articulation Coordinating Committee. Institutions must use the course number listed, unless it would be advantageous for the student to award a specific course number with equal credit that satisfies program prerequisites. Information about the program, including course syllabi, can be found on-line at www.cie.org.uk/usa.

Exam	Passing Score of “A”, “B”, “C”, “D”, “E” (grades are not based on the American “A” – “F” grading scale)	Comments
Accounting (AS-Level)	ACG X001 (min. 3 credits)	
Accounting (A-Level)	ACG X001 and ACG XXXX (min. 6 credits)	
Art and Design (AS-Level)	No number recommendation (min. 3 credits)	
Art and Design (A-Level)	No number recommendation (min. 6 credits)	
Biology (AS-Level)	BSC X005C or BSC X005/X005L (min. 4 credits)	
Biology (A-Level)	BSC X010C or BSC X010/X010L and additional credit at institution’s discretion, based on optional topics studied (min 7 credits)	
Business Studies (AS-Level)	GEB X011 (min. 3 credits)	
Business Studies (A-Level)	GEB X011 and GEB XXXX (min. 6 credits)	
Chemistry (AS-Level)	CHM X020C or CHM X020/020L or CHM X025C or CHM X025/025L (min. 4 credits)	
Chemistry (A-Level)	CHM X020C or CHM X020/020L or CHM X025C or CHM X025/025L and CHM X045C or CHM X045/045L (min 8 credits)	
Classical Studies (AS-Level)	CLA X010 (min. 3 credits)	
Computing (AS-Level)	CGS X073 (min. 3 credits)	CGS X073 is a unique number for to this exam.
Computing (A-Level)	CGS X073 and CGS X074 (min. 6 credits)	CGS X073 and CGS X074 are unique numbers for this exam
Design and Technology (AS-Level)	ETI X482C (min. 3 credits)	
Design and Technology (A-Level)	ETI X482C or ETI X482/482L and ETI XXXX (min. 6 credits)	

Exam	Passing Score of “A”, ”B”, “C”, “D”, “E” (grades are not based on the American “A” – “F” grading scale)	Comments
Economics (AS-Level)	ECO X000 (min. 3 credits)	
Economics (A-Level)	ECO X013 and ECO X023 (min. 6 credits)	
English (AS-Level) – English Language or Language & Literature in English	ENC X101 (min. 3 credits)	
English (AS-Level) – Literature in English	ENC X101 or ENC X102 (min. 3 credits)	Award credit for ENC X102 if student has credit for X101.
English (A-Level) – Literature in English	ENC X101 and X102 or ENC X102 and LIT X100 (min. 6 credits)	Award credit for ENC X102/LITX006 if student has credit for ENC X101.
Environmental Management (AS-Level)	EVR X001C or EVR X001/X001L or ISC XXXX (min. 3 credits)	Only offered at AS-level
French Language (AS-Level)	At least one semester of language credit up to elementary II level (min. 3 credits)	
French Literature (AS-Level)	One semester of literature survey credit (min. 3 credits)	
French (A-Level)	At least two semesters of language credit up to intermediate II level (min. 6 credits)	
Further Mathematics (A-Level)	MAC X311 and MAC X312	
General Paper	IDS X110 (min. 3 credits)	
Geography (AS-Level)	GEA X000 (min. 3 credits)	
Geography (A-Level)	GEO X200 and GEO X400 (min. 6 credits)	
German Language (AS-Level)	At least one semester of language credit up to elementary II level (min. 3 credits)	
German (A-Level)	At least two semesters of language credit up to intermediate II level (min. 6 credits)	
History (AS-Level)	Three credits for each successfully passed paper, subject to institutional review.	There are six choices of “papers” or exams covering different geographical areas and periods. Examinations are rigorous but do not align easily with frequently-taught American college courses. Institutions should assign course equivalents based on each student’s curriculum, and may need more information than is available on students’ score reports or transcripts.

Exam	Passing Score of “A”, ”B”, “C”, “D”, “E” (grades are not based on the American “A” – “F” grading scale)	Comments
History (A-Level)	Six credits for each successfully passed paper, subject to institutional review.	There are six choices of “papers” or exams covering different geographical areas and periods. Examinations are rigorous but do not align easily with frequently-taught American college courses. Institutions should assign course equivalents based on each student’s curriculum, and may need more information than is available on students’ score reports or transcripts.
Latin (AS-Level)	At least one semester of language credit up to elementary II level (min. 3 credits)	
Marine Science (AS-Level)	OCE X001 (min. 3 credits)	
Marine Science (A-Level)	OCE X001 and OCB X000 (min. 6 credits)	
Mathematics (AS-Level)	MAC X147 or MAC X140/X114 (min. 4 credits)	MAC X147 is composed of topics in both MAC X114 and MAC X140.
Mathematics (A-Level)	MAC X311 and other Mathematics course (min. 6 credits)	Students are tested on a core curriculum roughly equivalent to MAC X311 as well as on one or two optional topics. Institutions may need more information than is available on students score reports or transcripts.
Music (AS-Level)	MUH X001 (min. 3 credits)	
Music (A-Level)	MUH X001 and MUH X011 or MUH X012 (min. 6 credits)	Choice of MUH X011 or MUH X012 dependent on musical selections in Components 3, 4, and 5.
Physics (AS-Level)	PHY X020C or PHY X020/X020L (min. 3 credits)	
Physics (A-Level)	PHY X053C or PHY X053/X053L and PHY X054C or PHY X054/X054L (min 8 credits)	
Psychology (AS-Level)	PSY X012 (min. 3 credits)	
Psychology (A-Level)	PSY X012 and other Psychology course (min. 6 credits)	
Sociology (AS-Level)	No course or credit recommendation	
Sociology (A-Level)	SYG X000 (min. 3 credits)	

Exam	Passing Score of “A”, ”B”, “C”, “D”, “E” (grades are not based on the American “A” – “F” grading scale)	Comments
Spanish Language (AS-Level)	At least one semester of language credit up to elementary II level (min. 3 credits)	
Spanish Literature (AS-Level)	One semester of literature survey credit (min. 3 credits)	
Spanish (A-Level)	At least two semesters of language credit up to intermediate II level (min. 6 credits)	
Thinking Skills (AS-Level)	PHI X103 or PHI X401 (min. 3 credits)	
Thinking Skills (A-Level)	PHI X103 or PHI X401 and other Philosophy course (min. 6 credits)	
Travel and Tourism (AS-Level)	HFT X000 or HFT X700 (min. 3 credits)	
Travel and Tourism (A-Level)	HFT X000 or HFT X700 and other Hospitality Management related credit (min. 6 credits)	

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

The College-Level Examination Program, unlike Advanced Placement, is not built around a curriculum, but rather is designed to test students' knowledge on a variety of college-level subjects, regardless of where they may have learned the material. CLEP exams are developed by committees of college faculty who design questions based on what is typically covered in lower-level college courses and who set passing standards for the exams (scores are no longer based on studies of student performance in college courses). With the new computer-based tests, new questions are constantly being added, especially in rapidly-changing fields such as Computer Science. The typical passing score on computer-based CLEP exams for general education purposes is 50, although paper and pencil versions will be different. Institutions must use the course number listed, unless it would be advantageous for the student to award a specific course number with equal credit that satisfies program prerequisites. More information about CLEP, including recent test information guides, can be found online at www.collegeboard.com/highered/clep.

Exam	Scale Score of 50 for Passing	Comments
Accounting, Principles of	ACG X001 (min. 3 credits)	Effective July 1, 2007 this test is no longer administered—replaced by “Financial Accounting” exam
Algebra, College	MAC X105 (min. 3 credits)	
Algebra-Trigonometry, College	MAC X147 (min. 4 credits)	MAC X147 can substitute for MAC X140 and MAC X114. Effective July 1, 2006 this test is no longer administered—replaced by “Precalculus” exam
American Government	POS X041 (min. 3 credits)	
American Literature	AML X000 (min. 3 credits)	
Analyzing and Interpreting Literature	No direct equivalent. Recommend American or English Literature exams instead.	
Biology, General	BSC X005 (min. 3 credits)	No lab credit
Business Law, Introduction to	BUL X241 (min. 3 credits)	
Calculus	MAC X233 (min. 3 credits)	
Chemistry, General	CHM X020 or X025 (min. 3 credits)	No lab credit
Educational Psychology, Introduction to	EDP X002 (min. 3 credits)	
English Composition with Essay	ENC X101 (min. 3 credits)	
English Literature	ENL X000 (min. 3 credits)	
Financial Accounting	ACG X001 (min. 3 credits)	
French Language	On Level I French Language exam—one semester of Elementary Language I (min. 3 credits)	On Level 2 French Language exam—score of 59 earns a minimum of two semesters of Elementary Language I and II (min. 6 credits). No literature credit. College Board recommended score change from 62 to 59 December 2007.

Exam	Scale Score of 50 for Passing	Comments
Freshman Composition	No direct equivalent. Recommend English Composition with Essay instead.	
German Language	On Level I German Language exam—one semester of Elementary Language I (min. 3 credits)	On Level 2 German Language exam—score of 60 earns a minimum of two semesters of Elementary Language I and II (min. 6 credits). No literature credit. College Board recommended score change from 63 to 60 by August, 2008.
History of the United States I: Early Colonizations to 1877	AMH 010 (min. 3 credits)	
History of the United States II: 1865 to Present	AMH 020 (min. 3 credits)	
Human Growth and Development	DEP X004 (min. 3 credits)	
Humanities	HUM X235 or HUM X250 (min. 3 credits)	Interdisciplinary exam: 50% literature and 50% fine arts
Information Systems and Computer Applications	CGS X077 (min. 3 credits)	CGS X077 is unique to this exam. Exam content updated frequently
Macroeconomics, Principles of	ECO X013 (min. 3 credits)	
Management, Principles of	MAN X021 (min. 3 credits)	
Marketing, Principles of	MAR X011 (min. 3 credits)	
Mathematics, College	MGF X106 or MGF X107 (min. 3 credits)	Exam covers sets (10%), Logic (10%), Real Numbers (20%), Functions and Graphs (20%), Probability and Statistics (25%), and additional Algebra topics (15%)
Microeconomics, Principles of	ECO X023 (min. 3 credits)	
Natural Science	No direct equivalent. Recommend specific subject exams instead.	Interdisciplinary exam: 50% Biological Science and 50% Physical Science (incl. Physics, Chemistry, Astronomy, and Geology)
Precalculus	MAC X140 (min. 3 credits)	
Psychology, Introductory	PSY X012 (min. 3 credits)	
Social Science and History	No direct equivalent. Recommend specific subject exams instead.	Interdisciplinary exam: 40% History (U.S., Western, and World) and 60% Social Sciences (Government, Sociology, Economics, Psychology, Geography, and Anthropology)
Sociology, Introductory	SYG X000 (min. 3 credits)	
Spanish Language	On Level I Spanish Language exam—one semester of Elementary Language I (min. 3 credits)	On Level 2 Spanish Language exam—score of 63 earns a minimum of two semesters of Elementary Language I and II (min. 6 credits). No literature credit College Board recommended score change from 66 to 63 in spring, 2007.
Trigonometry	MAC X114 (min. 2 credits)	Effective July 1, 2006 this test is no longer administered—replaced by “Precalculus” exam

Exam	Scale Score of 50 for Passing	Comments
Western Civilization I: Ancient Near East to 1648	EUH X000 (min. 3 credits)	
Western Civilization II: 1648 to Present	EUH X001 (min. 3 credits)	

INTERNATIONAL BACCALAUREATE (IB)

The International Baccalaureate program is a challenging curriculum offered in high schools around the world that is designed to prepare students for advanced work in many countries' postsecondary systems. Because it is international, the curriculum is not always as closely aligned with courses in American colleges and universities as Advanced Placement courses, and students and teachers often choose topics within a fairly wide range. Students frequently conduct independent projects as part of the curriculum. Many subjects have both Standard Level and Higher Level versions, which typically require additional specialized research or independent work. International Baccalaureate assessments are conducted worldwide, so that an American student's work may be evaluated by a teacher in Singapore or vice-versa, and they often include substantial long-answer components or assessment of student research projects or portfolios. It may be helpful for institutions to talk with the student or to review the student's projects in order to assign appropriate credit.

In 2006, the Florida State Board of Education Rule 6A-10.024 and the Board of Governors established that the credit granting recommendations below award equal course credit for diploma and non-diploma holders for passing exam scores. Institutions must use the course number listed, unless it would be advantageous for the student to award a specific course number with equal credit that satisfies program prerequisites. More information about the IB program is available at www.ibo.org.

Exam	IB Score of 4 Minimum 3 credits per exam.	IB Score of 5-7 Minimum 6 credits per exam. If courses listed do not equal 6 credits, institutions must give elective credit or assign own numbers	Comments
Biology	BSC X005C or BSC X005/X005L	BSC X005C and BSC X010C or BSC X005/X005L and BSC X010/X010L	
Business and Management	GEB X011 or MAN X604 or MAN X652	GEB X011 or MAN X604 or MAN X652 and General Business or Management course determined by institution	
Chemistry	CHM X020C or CHM X020/X020L	CHM X020C or CHM X20/X020L and CHM X045C or CHM X045/045L	
Computer Science	CGS X078	CGS X078 and other Computer Science course	CGS X078 is unique to this exam. Exam content updated or changed frequently.
Design Technology	ETI X410 (3 credits)	ETI X410 and other Engineering Technologies course determined by institution	ETI X410 is unique to this exam. Interdisciplinary engineering technology course.
Economics	ECO X000	ECO X013 and ECO X023	

Exam	IB Score of 4 Minimum 3 credits per exam.	IB Score of 5-7 Minimum 6 credits per exam. If courses listed do not equal 6 credits, institutions must give elective credit or assign own numbers	Comments
Ecosystems and Societies	EVR X017 or EVR X018	EVR X017 or EVR X018 and other Interdisciplinary Science or Environmental Studies course determined by institution	
English A1	ENC X101	ENC X101 and ENC X102 or LIT X100 or LIT X110	
Environmental Systems	ISC X050 (3 credits)	ISC X050 and other Interdisciplinary Science or Environmental Science course determined by institution	ISC X050 is unique to this exam. Interdisciplinary environmental studies course.
Film Studies	FIL X000 or FIL X001	FIL X000 or FIL X001 and FIL X002 or FIL X420	
French	One semester of language credit at Elementary Language II level (min. 3 credits)	Two semesters of Elementary Language II and Intermediate Language I level (min. 6 credits)	No literature credit
Further Mathematics (Advanced Mathematics)	MHF X202	MHF X202 and MHF X209	MHF X209 is unique number for this exam.
Geography	GEA X000	GEO X200 and GEO X400	
German	One semester of language credit at Elementary Language II level (min. 3 credits)	Two semesters of Elementary Language II and Intermediate Language I level (min. 6 credits)	No literature credit
History	WOH X030	WOH X030 and one semester (min. 3 credits) of lower-level History elective depending on student's choice of specialized subject.	All students study 20 th -Century World History. Higher Level students also study a 100-year period between 1750 and the present in one of several regions. Standard Level students do a project in any History subject.
Information and Technology for a Global Society	No direct equivalent (min. 3 credits)	No direct equivalent (min. 6 credits)	
Islamic History	No direct equivalent (min. 3 credits)	No direct equivalent (min. 6 credits)	
Latin	LAT X230 or LAT XXXX	LAT X230 and LAT XXXX or LNW XXXX	
Math Methods	MAC X105	MAC X105 and MAC X140 or MAC X140 and MAC X233	
Math Studies	MAT X033	MAT X033 and MGF X106	

Exam	IB Score of 4 Minimum 3 credits per exam.	IB Score of 5-7 Minimum 6 credits per exam. If courses listed do not equal 6 credits, institutions must give elective credit or assign own numbers	Comments
Mathematics	MAC X147	MAC X147 and MAC X233 or MAC X233 and MAC X311	MAC X147 can substitute for MAC X140 and MAC X114
Music	MUL X010 (3 credits)	MUL X010 and additional course determined by institution (6 credits)	Exam has music theory, history, and literature aspects. Emphasis is on post-Renaissance European music with significant additional coverage of alternating world music topics.
Philosophy	PHI X010 (min. 3 credits)	PHI X010 and additional Philosophy course (min. 6 credits)	
Physics	PHY X020C or PHY X020/X020L	PHY X020C or PHY X020/X020L and PHY X009 or PHY X053C or PHY X053/X053L and PHY X054C or PHY X054/X054L	PHY X009 is a unique number for this exam.
Psychology	PSY X012	PSY X012 and additional course determined by institution.	
Social Anthropology	ANT X410	ANT X410 and additional ANT course determined by institution.	
Spanish	One semester of language credit at Elementary Language II level (min. 3 credits)	Two semesters of Elementary Language II and Intermediate Language I level (min. 6 credits)	No literature credit
Theatre Arts	THE X000 or THE X020	THE X000 or THE X020 and one semester (min. 3 credits) credit in theater history, performance, stagecraft, theory or literature depending on student's strengths	All students study core topics in dramatic literature, performance and stagecraft. Higher Level students do an independent project in a Theater Arts subject of their choice.
Visual Arts	ART X012 or ART X014 (3 credits)	ART X012 or ART X014 and additional Art course determined by institution.	Content will vary widely for each student. All students do both studio work and research notebooks. Standard Level students choose to emphasize one or the other. Higher Level students emphasize studio work. Courses in ART and/or ARH prefix may be appropriate.

DANTES SUBJECT STANDARDIZED TESTS (DSST)

Florida Statute does not require the ACC to establish minimum course and credit equivalents for the DANTES Subject Standardized Tests (DSSTs). However, pursuant to Florida State Board Rule 6A-10.024, transfer of credit must be accepted based on the following recommendations. Institutions must use the course number listed, unless it would be advantageous for the student to award a specific course number with equal credit that satisfies program prerequisites. The DSST exams, unlike Advanced Placement, are not built around curriculum, but rather are designed to test students' knowledge on a variety of college-level subjects, regardless of where they may have learned the material. Exams are developed by committees of college faculty. Norming forms of DSSTs are administered to college-level students who are completing courses for credit in various subjects. More information about DSSTs, including descriptions of test content and sample examination questions, is available at <http://www.getcollegecredit.com/materials.htm>.

Exam	Suggested Course Number (3 credits per exam)	Passing Score	Comments
A History of the Vietnam War	AMH X059	44	
Art of the Western World	ARH X000 or ARH X010	48	
Astronomy	AST X002	48	
Business Law II	BUL X242	44	
Business Math	QMB X001	48	
Criminal Justice	CCJ X000 or CCJ X020	49	
Drug and Alcohol Abuse	No course or credit recommendation	49	
Environment and Humanity	EVR X017 or ISC X003 or ISC X143 or ISC X147	46	
Ethics in America	PHI X630	46	
Foundations of Education	EDF X002	46	
Fundamentals of College Algebra	MAC X105	47	
Fundamentals of Counseling	PCO X202	45	
General Anthropology	ANT X000	47	
Here's to Your Health	HSC X100 or HSC X101	48	
Human Resources Management	MAN X300	46	
Human/Cultural Geography	GEO X400	48	
Introduction to Business	GEB X011	46	
Introduction to Computing	CGS X000 or CGS X060	45	
Introduction to Law Enforcement	CCJ X100 or CJE X000	45	
Introduction to the Modern Middle East	ASH X044	47	
Introduction to World Religions	REL X300	48	
Lifespan Developmental Psychology	DEP X004	46	
Management Information Systems	ISM X000	46	
Money and Banking	BAN X501	48	
Organizational Behavior	INP X002	48	

Exam	Suggested Course Number (3 credits per exam)	Passing Score	Comments
Personal Finance	(FIN X100)	46	
Physical Geology	GLY X000	46	
Principles of Finance	(FIN X000)	46	
Principles of Financial Accounting	ACG X001	47	
Principles of Physical Science I	PSC X121 or PSC X341	47	
Principles of Public Speaking	SPC X600	47	
Principles of Statistics	STA X014	48	
Principles of Supervision	MNA X345	46	
Rise and Fall of the Soviet Union	EUH X066	45	
Technical Writing	ENC X210	46	
The Civil War and Reconstruction	AMH X056	47	
Western Europe Since 1947	No course or credit recommendation	45	

EXCELSIOR COLLEGE EXAMINATIONS

Florida Statute does not require the ACC to establish minimum course and credit equivalents for the Excelsior College Examination. However, pursuant to Florida State Board Rule 6A-10.024, transfer of credit must be accepted based on the following recommendations. Institutions must use the course number listed, unless it would be advantageous for the student to award a specific course number with equal credit that satisfies program prerequisites. Excelsior College Examinations (formerly known as Regents College Exams or the Proficiency Examination Program), are developed by Excelsior College using national committees of faculty consultants and national studies to assess how well the tests measure the performance of students in actual college courses. Excelsior College Examinations are approved by the American Council on Education and Excelsior College itself is accredited by the Middle States Association of Colleges and Schools (MSACS). More detailed information about Excelsior College Examinations, including detailed test descriptions, can be found on-line at <http://www.excelsior.edu>.

Exam	Suggested Course Number (3 credits per exam)	Passing Score	Comments
Abnormal Psychology	CLP X140	45	
English Composition	ENC X101 or ENC X102	40 (Form E - 41)	
Ethics: Theory and Practice	PHI X630	46	
Foundations of Gerontology	GEY X000	46	
Human Resources Management	MAN X300	44	
Life Span Developmental Psychology	DEP X004	45	
Microbiology	MCB X000 (lecture only)	45	
Psychology of Adulthood and Aging	DEP X401 or DEP X402	45	

FOR MORE INFORMATION

You can find more information about the different exam programs, including detailed descriptions of exams, current and historical grading scales and score information, at the following web sites:

Advanced Placement Program: <http://apcentral.collegeboard.com>

Cambridge AICE: www.cie.org.uk/usa

College-Level Examination Program: <http://www.collegeboard.com/highered/clep>

DANTES/DSST Examinations: www.getcollegecredit.com

International Baccalaureate Program: www.ibo.org

Excelsior Examination Program: www.excelsior.edu

For further information about implementation of the credit-by-exam equivalencies, please contact:

Mr. Matthew Bouck
Office of Articulation
850-245-9544
Matthew.Bouck@fldoe.org

Ms. Lynda Page
Board of Governors
850-245-9693
Lynda.Page@flbog.org

Ms. Julie Alexander
Division of Community Colleges
850-245-9523
Julie.Alexander@fldoe.org

Please address any general questions or comments to:
Articulation Coordinating Committee
Florida Department of Education
325 West Gaines Street, Suite 1401
Tallahassee, Florida 32399

Articulation Coordinating Committee

May 28, 2008

Item 7

**Subject: Industry Certification in AAS/AS in Networking Services Technology
Statewide Articulation Agreement; and Industry Certification to AAS/AS in Computer
Engineering Technology Statewide Articulation Agreement**

PROPOSED COMMITTEE ACTION

Approval: Industry Certification in AAS/AS in Networking Services Technology Statewide
Articulation Agreement; and Industry Certification to AAS/AS in Computer Engineering
Technology Statewide Articulation Agreement

Supporting Documentation: Materials included in the packet

Facilitator/Presenter: Mr. Duane Hume

**Industry Certification to AAS/AS Degree Articulation
Statewide Agreement Worksheet Summary**

AAS/AS Degree Name: **Networking Services Technology**

AAS/AS CIP Numbers:

Networking Services Technology (AAS - 0507.030401) (AS - 1507.030401)

Information Technology Management (CCC) (0507.030404)

Information Technology Technician (CCC) (0507.030403)

Unix/Linux System Administrator (CCC) (0507.030406)

Admission Requirements: Students entering the Associate in Applied Science and or the Associate in Science Program in **Networking Services Technology** must have a standard high school diploma or its equivalent, or a CPT Eligible Certificate of Completion. Students must meet the requirements of State Board Rule 6A-10.0315(3), FAC (College preparatory testing, placement, and instruction. --). Students earning scores less than those listed shall enroll in college preparatory communication and computation instruction.

Other admission requirements: None

Validation Mechanisms: Industry Certification: Credit in escrow pending successful completion of nine (9) credit hours in the program.

An existing statewide articulation agreement awards 12 credits to the AAS/AS Degree in **Networking Services Technology** for completion of the Cisco Networking Academy, the first four courses in the Network Support Services program (B078000). The **Cisco Certified Network Associate (CCNA)** certification represents industry acknowledgement of technical skill attainment of competencies comprising the Cisco Networking Academy. Community college faculty committee met and agreed to propose that the Colleges offering the Networking Services Technology AAS/AS degree agree that the “**Cisco Certified Network Associate (CCNA)**” certification from Cisco Systems, Inc. shall articulate **twelve (12)** college credit hours to the AAS/AS Degree in **Networking Services Technology**.

To be eligible for articulation, the **Cisco Certified Network Associate (CCNA)** certification must be current at the time of escrow. Articulated credit awarded under this agreement may only be applied to the AAS/AS Degree and not a College Completion Certificate (CCC).

This agreement does not preclude but encourages the awarding of additional credits by any college through local agreements.

Community College: AAS/AS in **Networking Services Technology**.

General Education.....	15	credit hours
Program Specialization Core/Electives.....	48	credit hours
Total AAS/AS Degree Program.....	63	credit hours

Will award course credits or a block of credit toward AAS/AS program for 12 hours of credit.

**Industry Certification to AAS/AS Degree Articulation
Statewide Agreement Worksheet Summary**

AAS/AS Degree Name: **Computer Engineering Technology**

AAS/AS CIP Numbers:

- Computer Engineering Technology (AAS - 0615.040200) (AS - 1615.040200)
- Cisco Certified Network Associate (CCC - 0615.040201)
- Microcomputer Repairer/Installer (CCC - 0615.040202)
- Computer Specialist (CCC - 0615.040203)
- Network Systems Developer (CCC - 0615.040204)
- Wireless and IP Communications Technician (CCC - 0615.040205)

Admission Requirements: Students entering the Associate in Applied Science and or the Associate in Science Program in **Computer Engineering Technology** must have a standard high school diploma or its equivalent, or a CPT Eligible Certificate of Completion. Students must meet the requirements of State Board Rule 6A-10.0315(3), FAC (College preparatory testing, placement, and instruction. --). Students earning scores less than those listed shall enroll in college preparatory communication and computation instruction.

Other admission requirements: None

Validation Mechanisms: Industry Certification: Credit in escrow pending successful completion of nine (9) credit hours in the program.

The **Cisco Certified Network Associate (CCNA)** certification represents industry acknowledgement of technical skill attainment of competencies comprising the Cisco Certified Network Associate College Completion Certificate (0615.040201). Community college faculty committee met and agreed to propose that the Colleges offering the Computer Engineering Technology AAS/AS degree agree that the “**Cisco Certified Network Associate (CCNA)**” certification from Cisco Systems, Inc. shall articulate **twelve (12)** college credit hours to the AAS/AS Degree in **Computer Engineering Technology**.

To be eligible for articulation, the **Cisco Certified Network Associate (CCNA)** certification must be current at the time of escrow. Articulated credit awarded under this agreement may only be applied to the AAS/AS Degree and not a College Completion Certificate (CCC).

This agreement does not preclude but encourages the awarding of additional credits by any college through local agreements.

Community College: AAS/AS in **Computer Engineering Technology**.

General Education	<u>15</u>	credit hours
Program Specialization Core/Electives.....	<u>53</u>	credit hours
Total AAS/AS Degree Program.....	<u>68</u>	credit hours

Will award course credits or a block of credit toward AAS/AS program for 12 hours of credit.

Articulation Coordinating Committee

May 28, 2008

Item 8

Subject: Legislative update

PROPOSED COMMITTEE ACTION

Information and discussion; No action required.

Supporting Documentation: Materials included in the packet

Facilitator/Presenter: Dr. Frances Haithcock and Dr. Will Holcombe

Bill Number: Senate Bill 1906

Bill Title: Alternative High School Courses & Programs

Bill Sponsor: Senator Gaetz

Effective Date: July 1, 2008

DOE Contact: Dr. Frances Haithcock, Chancellor, Division of Public Schools, (850) 245-0509

Executive Summary:

This bill creates s. 1002.375, F.S., “Alternative Credit for High School Courses; Pilot Project.” This pilot program will allow high school students to take one course and generate two credits, under certain conditions.

- The Commissioner of Education must establish participation criteria for districts and select up to three participating school districts by July 30, 2008. School districts wishing to participate must submit a letter of interest to the Commissioner by July 15, 2008.
- Beginning in the 2008-2009 school year, up to three districts selected by the Commissioner of
- Education may award alternative credit to a student for a course in which the student is not enrolled, but for which the student may earn academic credit by enrolling in another course or sequence of courses required to earn a nationally or state-recognized industry certificate as defined by the Agency for Workforce Innovation in accordance with the criteria described in s.1003.492(2), F.S., of which the majority of the standards-based content in the course description is consistent with the alternative credit course description is consistent with the alternative credit course description approved by DOE.
- The additional course credit is limited to the following five core courses: Algebra 1a, Algebra 1b, Algebra 1, Geometry, or Biology.
- The majority of the standards-based content in the course description approved by the Department of Education (DOE) must be consistent for the course in which the student enrolls and the course for which the student earns additional, alternative credit
- The bill exempts an alternative credit course from:
 - the definitions of credit in s. 1003.436, F.S.,
 - the time requirements in s. 1011.60(2), F.S., and
 - the net-hours-of-instruction requirements for purposes of determining full-time equivalency in the Florida Education Finance Program.
- To earn the additional credit, a student must pass an end-of-course assessment approved by DOE; the assessment may be either from those developed by the Florida Virtual School or an end-of-course statewide standardized assessment developed or adopted by DOE. DOE must approve the administration of these assessments and determine the minimum passing scores for each course.
- DOE must prescribe procedures for school districts to report all enrollments and credits earned for alternative education courses, and calculate each successfully-completed credit earned under the requirements of this bill as 1/6 of an FTE, with exceptions.

- DOE must report to the Governor, the President of the Senate, and the Speaker of the House is required by January 1, 2010, on the participation of and credits earned by students as well as recommendations for expanding the use of alternative credit for core academic courses.

General Implementation Timeline:

The Alternative Credit Pilot Program

July 1, 2008	The act will become effective.
July 15, 2008	Districts wishing to participate in the Alternative Credit pilot must submit a letter of interest to the Commissioner.
July 30, 2008	Commissioner selects up to three districts for the Alternative Credit pilot.
2008-09 school year	Pilot project begins. A request from a participating pilot district for a course must be approved or denied within 30 days of receipt, with a written response to the district explaining the reasons for the denial within 10 days after the denial.
January 1, 2010	Commissioner reports to the Governor, the President of the Senate, and the Speaker of the House on the participation of and credits earned by students as well as recommendations for expanding the use of alternative credit for core academic courses.

The School-Business Partnerships

June 30, 2011 The Palm Beach pilot is in effect until this date.

Bill Number: Senate Bill 1908

Bill Title: Education

Bill Sponsor: Committee on Education PreK-12 and Senator Gaetz

Effective Date: July 1, 2008, except as otherwise provided for in the bill

DOE Contact: Dr. Frances Haithcock, Chancellor, Division of Public Schools, (850) 245-0509

Executive Summary:

The bill amends s. 1003.41, F. S., Sunshine State Standards, s.1001.03, F.S., Specific powers of State Board of Education, and s. 1000.21, F.S., Office of Private Schools and Home Education Programs, to:

- Require the State Board of Education to review and, by December 31, 2011, replace the Sunshine State Standards with “Next Generation Sunshine State Standards.” The State Board of Education must establish, by December 31, 2008, a review and readoption schedule for the current standards. The process for review, revision, and approval of the new standards is outlined. Specific requirements are prescribed for language arts, science, mathematics, and social studies standards. Language Arts standards adopted in 2007 must be reviewed and replaced and must identify significant literary genres and authors that encompass a comprehensive range of historical periods. Recently adopted Reading, Math and Science standards are considered Next Generation. Provides the State Board of Education with rulemaking authority. Stipulates that the Sunshine State Standards are in place for a subject until the standards for that subject are replaced by Next Generation Sunshine State Standards.

The bill amends s. 220.187, F.S., Credits for contributions to nonprofit scholarship funding organizations to:

- Remove the FCAT NRT from the list of norm-referenced assessments available for use by private schools in meeting the testing requirements of the Corporate Tax Credit Scholarship Program. Instead, private schools must administer a nationally norm-referenced test identified by the Department of Education as meeting industry standards of quality in accordance with State Board of Education rule.

The bill amends s. 1000.21, F.S., Systemwide definitions to:

- Revise the definition of “Sunshine State Standards” or “Next Generation Sunshine State Standards.”

The bill amends s. 1001.452, F.S., District and school advisory councils (SAC) to:

- Require that the majority of members of SAC must not be employed by the school district.

The bill amends s. 1003.413, F.S., Florida Secondary School Redesign Act to:

- Require district school boards to establish a policy that addressed the annual review of each high school student's electronic education plan.

The bill amends s. 1003.428, F.S., General requirements for high school graduation to:

- Add practical arts courses that incorporate artistic content and techniques of creativity, interpretation, and imagination, as identified through the Course Code Directory.

The bill creates s. 1003.4285, F.S., Standard high school diploma designations to:

- Indicate by 2008-09, each standard high school diploma shall include, as applicable, a designation for Major Area of Interest; completion of four or more accelerated college credit courses in Advanced Placement, International Baccalaureate, Advanced International Certificate of Education, or dual enrollment; career education certification; and Florida Ready to Work Credential.

The bill amends s. 1004.91, F.S., Career-Preparatory instruction to:

- Create an exemption for adult students enrolled in a registered apprenticeship program under ch.446, F.S., from the requirement to demonstrate mastery of the state-adopted standards of basic skills before being awarded a career certificate or completion.

The bill amends s. 1004.99, F.S., Florida Ready to Work Certification Program to:

- Require the Ready to Work Credential to be awarded to a student who passes three listed assessments in Reading for Information, Applied Mathematics, and Locating Information or other assessments of comparable rigor. Each assessment shall be scored on a scale of 3 to 7.
- Define three levels of attainment for the credential:
 - Bronze-level requires a minimum score of 3 or above on each of the assessments.
 - Silver-level requires a minimum score of 4 or above on each of the assessments.
 - Gold-level requires a minimum score of 5 or above on each of the assessments.

The bill amends s. 1007.235, F.S., District interinstitutional articulation agreements to:

- Require the district interinstitutional articulation agreement to identify the responsibility of the postsecondary educational institution for assigning letter grades for dual enrollment courses and the responsibility of the school districts for posting these grades to high school transcripts.

The bill amends s. 1008.22, F.S., Student assessment program for public schools to:

- Allow the Commissioner to incorporate end-of-course assessments into the statewide assessment program. These assessments may be administered in addition to the comprehensive assessments of reading, mathematics, writing, and science, and must be rigorous, statewide, standardized, and aligned to the Sunshine State Standards. The Commissioner may select one or more nationally developed comprehensive examination for use as end-of-course assessment if the Commissioner determines the examinations meet to exceed the core curricular content established in the Next Generation Sunshine

State Standards. The Commissioner may collaborate with the American Diploma Project in the adoption or development of end-of-course assessments.

- Remove the requirement that the statewide assessment program include norm-referenced tests.
- Require the Commissioner beginning with the 2008-2009 school year through 2011-2012 to discontinue the administration of the multiple-choice items on the comprehensive assessment of writing. In 2012-2013 school year, the Commissioner must administer a comprehensive assessment of writing with specific characteristics, including a combination of multiple-choice, short-response, and extended-response items.
- Require the Commissioner to provide notice to school districts, by August 1 of each year, of the testing and reporting schedules for the school year following the upcoming school year. The schedule requires the latest possible administration of statewide assessments and the earliest possible reporting of student test results. Beginning with the 2010-2011 school year, the schedule must provide for comprehensive assessments of writing to be administered no earlier than the week of March 1 and comprehensive statewide assessments of other subjects to be administered no earlier than the week of April 15. Statewide end-of-course assessments must be administered within the last two weeks of a course. Student test results must be made available by the final day of the regular school year for students.
- Require public schools to participate in the statewide assessment program in accordance with published testing and reporting schedules.
- Direct the Commissioner to establish procedures for transitioning to new assessments that impact the testing requirements for high school graduation.

The bill amends s. 1008.30, F.S., Common placement testing for public postsecondary education to:

- Require the Department of Education to purchase or develop assessments to be used by high schools in evaluating the college readiness of selected students prior to grade 12, beginning with the 2008-2009 school year. The State Board of Education must establish by rule the minimum test scores a student must achieve to demonstrate readiness. Students achieving the minimum scores, and enrolling in a community college within 2 years, will not be required to enroll in remediation courses. High schools, to the extent practicable, must provide 12th grade students scoring below the minimum scores with access to remedial instruction prior to graduation.

The bill amends s. 1008.22, F.S., Student assessment program for public schools; Prohibited Activities to:

- Require school districts, beginning with the 2008-2009 school year, to prohibit each public school from suspending a regular program of curricula in order to administer practice tests or engage in other test-preparation activities for a statewide assessment (i.e., FCAT) However, schools are permitted to:
 - Distribute sample tests and answer keys published by the Department of Education;
 - Provide individualized instruction for students who score at Level 1 or Level 2 on the FCAT or who are identified through diagnostic assessments as having deficiencies in the assessed content;

- Provide individualized instruction in the content knowledge and skills assessed for students who score Level 1 of Level 2 on a prior administration of the statewide assessment or a student who, through a diagnostic assessment administered by the school district, is identified as having a deficiency in the content knowledge and skills assessed;
- Include test-taking strategies in curricula for intensive reading and mathematics courses; and
- At the extent determined necessary in State Board of Education rule, administer practice tests or engage in other test-preparation activities.

The bill amends s. 1008.31, F.S., Florida's K-20 education performance accountability system to:

- Codify legislative intent that Florida's K-20 education performance accountability system will comply with IDEA.

The bill amends s. 1008.34, F.S., School grading system; school report cards; district grade to:

- Provide additional criteria for designating school grades, beginning with the 2009-2010 school year for high schools with grades 9, 10, 11, and 12, or grades 10, 11, and 12.
- Indicate that fifty (50) percent of a school's grade will be based on the existing FCAT-related factors in s. 1008.34(3)(a), F.S., and the remaining fifty (50) percent will be based on factors that include:
 - A school's high school graduation rate;
 - As valid data become available, the performance and participation of students in Advanced Placement courses, International Baccalaureate courses, dual enrollment courses, Advanced International Certificate of Education courses, and the achievement of industry certification in a career and professional academy;
 - The postsecondary readiness of the students as measured by the SAT, ACT, or the common placement test;
 - The high school graduation rate of at-risk students who scored at Level 2 or lower on the grade 8 FCAT Reading and Mathematics examinations;
 - The performance of a school's students on statewide standardized end-of-course assessments approved by the Department of Education, when available; and
 - The annual growth or decline in these components.
- Indicate that a school district that fails to assign the FCAT scores of each of its students to his or her home school or alternative school that receives a grade shall forfeit Florida School Recognition Program funds for 1 fiscal year. Requires an annual collaboration between the principal of the alternative school and principal of each student's home school concerning the most appropriate school assignment of the student.
- Stipulate beginning with the 2009-2010 school year, the following data – as the Department of Education determines such data is valid -- shall be included to determine school grades for schools comprised of high school grades 9, 10, 11 and 12, or grades 10, 11, and 12:
 - High school graduation rate as calculated by the Department of Education.

- Participation rate of all eligible students enrolled in AP, IB, DE, AICE and courses or sequence of courses leading to industry certification in a career and professional academy.
- Aggregate scores of all eligible students enrolled in AP, IB, and AICE courses.
- Earning of college by all eligible students enrolled in dual enrollment programs.
- Earning of an industry certification.
- Aggregate scores of all eligible students enrolled in reading, mathematics and other subjects as measured by the SAT, ACT and CPT for postsecondary readiness.
- High School graduation rate of all eligible at-risk students enrolled in the school that scored at Level 2 or lower on the grade 8 FCAT Reading and Mathematics examinations.
- Performance of the school's students on statewide standardized end-of-course assessments.
- Growth or decline in the data components of these components from year to year.
- Stipulate beginning in the 2009-2010 school year, in order for a high school to earn an "A" grad the school must demonstrate that at-risk students in the school are making adequate progress.
- Provide the Commissioner of Education with authority to set sample-size requirements for school grades. Establishes criteria under which schools with fewer than the minimum number of students tested, as required for reliable results and protection of student confidentiality, shall not receive school grades.
- Provide the State Board of Education rule making authority to administer this section.

The bill amends s. 1008.341, F.S., School improvement rating for alternative schools to:

- Revise the definition of "home school" for purposes of calculating school grades for schools that refer students to alternative schools; requires annual collaboration among school principals concerning the school assignment of students attending an alternative school.
- Provide for the forfeiture of School Recognition Program funds for one fiscal year if a school district fails to assign the FCAT scores of each of its students to his or her home school or to the alternative school that receives a grade.
- Provide the Commissioner of Education with authority to set cell-size requirements for school improvement ratings. Establishes criteria under which schools with fewer than the minimum number of students tested, as required for reliable results and protection of student confidentiality, are exempted from receiving school improvement ratings.
- Provide the State Board of Education rule making authority to administer this section.

The bill amends s. 1008.36, F.S., Florida school recognition program to:

- Revise the identification of schools that are eligible to receive school recognition funds to include schools that improve more than one letter grade and sustain that improvement in the following year.

The bill amends s. 1012.56, F.S., Educator certification requirements to:

- Provide a new option for demonstrating mastery of subject area knowledge for the Professional Certificate. The new option includes the completion of a bachelor’s degree or higher and an earned score above the intermediate level on the oral and written tests administered by the American Council on the Teaching of Foreign Language (ACTFL) for which there is no Florida developed foreign language certification exam.
- Require the subject area examinations of the Florida Teacher Certification Examination program to be aligned to the Next Generation Sunshine State Standards.

The bill amends s. 1012.71, F.S., The Florida Teachers Lead Program to:

- Delete the word “Stipend” from the title of the Teachers Lead Program (Teachers Lead), states that equipment may not be purchased with Teachers Lead funds, provides a deadline for distribution of funds to school districts, authorizes teachers to keep receipts for only four years, and specifies that districts may use a number of listed options for distributing the funds to teachers.

The bill amends s. 1013.12, F.S., Casualty, safety, sanitation, and fire safety standards and inspection of property to:

- Conform the school cafeteria sanitation and safety reporting requirements to federal law.

General Implementation Timeline:

Upon becoming law The Florida Teachers Lead Program goes into effect.

July 1, 2008	The act will become effective, except as otherwise provided.
August 1 of each year	Commissioner shall notify each district in writing and publish on the DOE Web site the testing and reporting schedules for all statewide assessments for the school year following the upcoming school year.
December 31, 2008	State Board of Education shall establish an expedited schedule for adoption of Next Generation Sunshine State Standards and, by rule, establish a schedule for their periodic review and revision.
December 31, 2011	The Next Generation Sunshine State Standards must be adopted for each subject by the State Board of Education.
2008-09 school year	Specified designations must be included on standards high school diplomas.
2008-09 school year	The writing assessment will no longer include selected-response test items.
2008-09 school year	Districts shall prohibit schools from suspending a regular program of curricula for FCAT preparation.

2008-09 school year	High schools must evaluate the college readiness of selected students prior to grade 12.
2009-10 school year	The high school grading formula will be based on the new criteria, and the new threshold for high schools to earn an “A” grade goes into effect.
2010-2011 school year	A comprehensive assessment of writing may not be administered earlier than the week of March 1 and other comprehensive statewide assessments may not be administered earlier than the week of April 15. Student test results must be reported by the final day of the regular school year for students.
2012-13 school year	A revised comprehensive assessment of writing will be administered.

Bill Number: Senate Bill 1716

Bill Title: Postsecondary Education

Bill Sponsor: Senator Oelrich

Effective Date: July 1, 2008

DOE Contact: Dr. Willis Holcombe, Chancellor, Division of Community Colleges, (850) 245-0407

Executive Summary:

This bill addresses the issue of access to baccalaureate degrees and statewide employment needs.

The bill creates s. 1001.60, F.S., Florida College System to:

- Establish the Florida College System, to consist of institutions that are identified in law that grant 2 year and 4-year academic degrees as provided by law. Institutions within the Florida College System are not permitted to offer the graduate degree programs.

The bill creates s. 1004.84, F.S., Florida College System Task Force to:

- Establish the Florida College System Task Force within the Division of Community Colleges of the Department of Education for the purpose of developing findings and issuing recommendations regarding the transition of community colleges to baccalaureate degree-granting colleges and the criteria for establishing and funding Florida state colleges.
- Stipulate the Florida College System Task Force members are to be appointed by August 31, 2008 and begin meeting by September 15, 2008. Members are to be appointed by the Commissioner of Education and include seven community college presidents, one state university president, one president of an institution that is eligible to participate in the Florida Resident Access Grant Program, one president of a private institution which grants baccalaureate degrees and is licensed by the Commission for Independent Education, and a member at large.
- Stipulate the Task Force shall: recommend a program approval process designed to meet employment needs; recommend a funding model which demonstrates savings to the state and student over the State University System; identify needs of the workforce geographically and monitor implementation of the State College Pilot Project. The task force will submit a final report by March 2, 2009. The Task Force dissolves June 30, 2010.

The bill creates s. 1004.875, F.S., State College Pilot Project, to:

- Create the Florida State College Pilot Project for the purposes of recommending to the Legislature: an approval process for transition of baccalaureate degree-granting community colleges to state colleges; criteria for transition of institutions in the Florida College System to “state colleges”; and a funding model for the Florida College System. A final report on the Pilot Project is due by January 1, 2009.

- Appoint St. Petersburg College, Okaloosa-Walton College, Edison College, Miami Dade College, Indian River College, Daytona Beach College, Polk College, Chipola College and Santa Fe College to conduct the Pilot Project.

The bill amends s. 100.21, F.S., Systemwide definitions to:

- Change the names of the following institutions: Broward Community College to Broward College, Daytona Beach Community College to Daytona Beach College, Indian River Community College to Indian River College, Santa Fe Community College to Santa Fe College and Polk Community College to Polk College.

General Implementation Timeline:

July 1, 2008	The act will become effective.
August 31, 2008	The Florida College System Task Force members are to be appointed.
September 15, 2008	The Florida College System Task Force shall begin meeting.
January 1, 2009	Final report on the Florida State College Pilot Project due.
March 2, 2009	Final Florida College System Task Force Report due.
June 30, 2010	The Task Force dissolves.

Articulation Coordinating Committee

May 28, 2008

Item 9

Subject: Go Higher! Florida/American Diploma Project

PROPOSED COMMITTEE ACTION

Information and discussion; No action required.

Supporting Documentation: None

Facilitator/Presenter: Dr. Judy Bilsky

Articulation Coordinating Committee

May 28, 2008

Item 10

Subject: Common Prerequisite survey update

PROPOSED COMMITTEE ACTION

Information and discussion; No action required.

Supporting Documentation: Materials included in the packet

Facilitator/Presenter: Ms. Lynda Page



Common Prerequisite Project

Lynda Page

May 28, 2008

Common Prerequisite Project

Historic Perspective

- **SB 2330 1995**
 - 120 Credit Hr Baccalaureate
 - General Education
 - Course Leveling
 - Common Prerequisites
- **2000 *Common Prerequisite Manual (CPM)* placed on-line via FACTS.ORG for the first time.**
- **Summer 2007**



Common Prerequisite Project

Collaborative Work

- Board of Governors
- Division of Community Colleges
- Office of Articulation
- Florida Center for Advising and Academic Support



Common Prerequisite Project

Project Structure

- **Step One**
 - Survey of baccalaureate programs
- **Step Two**
 - Baccalaureate program faculty discussion and recommendation
- **Step Three**
 - ACC common prerequisite approval process



Common Prerequisite Project

Format for Disseminating Information

- **Limitation of Current Online Manual**
 - PDF document
 - Lack of clarity
- **Moving Towards a Database**
 - Ease of understanding
 - User-friendly
 - Additional features



Common Prerequisite Project

Faculty Involvement

- **16 Conference Calls**
 - Faculty from SUS and DCC baccalaureate programs
- **Step Two**
 - 414 faculty from baccalaureate programs across 20 institutions
 - 54 Discipline Committees at work
- **Step Three**
 - Even more



Common Prerequisite Project

Timeline

- **April 2008**
 - Faculty from SUS and DCC baccalaureate programs begin meeting
 - OPPAGA-studied programs addressed first
- **August 2008**
 - ACC Common Prerequisite Discipline Committees begin meeting
- **September 2008**
 - ACC Oversight Committee reviews first set
- **October 2008**
 - ACC reviews first set of proposed prerequisites
- **February 2009**
 - Targeted completion



Common Prerequisite Project

For Further Information Contact:

- **Lynda Page**
Associate Director of Academic and Student Affairs
Board of Governors
Lynda.Page@flbog.org
(850) 245-9693
- **Judy Dial**
Program Specialist, Academic Programs
Division of Community Colleges
Judy.Dial@fldoe.org
(850) 245-9464



Articulation Coordinating Committee

May 28, 2008

Item 11

Subject: FACTS update

PROPOSED COMMITTEE ACTION

Information and discussion; No action required.

Supporting Documentation: Materials included in the packet

Facilitator/Presenter: Dr. Connie Graunke

Associate in Arts (AA) Transfer Evaluation v.1 (5-1-08)

This is an unofficial evaluation of your transcript applied to **Associate in Arts (AA)** degree requirements from the community college you are attending and the program/major selected for the university to which you intend to transfer.

Student Name:	Sample Student
Student Email:	sample.student@cc.edu
Community College:	Palm Beach Community College
Degree:	Associate in Arts
Academic Standing:	Clear Academic Standing
Cumulative GPA:	2.76
Catalog Year in Effect:	2006
Contact:	wallrafr@pbcc.edu
University:	University of Central Florida
Intended Transfer:	Fall 2008
Degree:	Bachelor
Program/Major:	Radiological Sciences
Foreign Language	Before transfer
Required:	
Limited Access:	Yes
Contact:	HPAINFO@pegasus.cc.ucf.edu

UNIVERSITY TRANSFER ADMISSION INFORMATION

The following items are required by the university for the program selected.

Minimum Admission Standards: 2.5 GPA, "C" in pre-reqs, interview, criminal history report

Additional Admission Information: This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor. Criminal history information (background check) must be submitted on or before April 1st of the year admission is sought. For Florida residents the criminal history must be certified by the Florida Department of Law Enforcement (FDLE). A personal interview is also required. Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program. All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0). Applicants are considered for admission based on ranking by overall GPA.

Acceptance to the university does not necessarily constitute admission to the upper division Radiologic Sciences Program. A separate application to the limited access program must be made directly to the program on or before March 1 of the year admission is sought. A UCF application must be submitted by the program deadline of March 1. Acceptance to UCF is necessary before acceptance to the program can occur. *Students should plan to exceed minimum admission standards. Students admitted to the program in Fall 2007 had a 3.4 GPA.*

Foreign Language University Admission Requirement: Not Satisfied

Requirement may be satisfied by having earned 2 credits of one foreign language or American Sign Language in high school, 8-10 college credits in the same foreign language, or pass a CLEP or other proficiency examination. If you earned 2 high school credits, it will not show up in this evaluation. When you submit your admission application to the university, you must submit your high school transcripts to validate high school language.

To complete college credits, see foreign language courses offered at the community college listed below, **search for online courses**, or see **alternate methods of obtaining credit**.

FRE 1120	GER 1120	SPN 1121
FRE 1121	GER 1121	SPN 1170
FRE 2200	GER 2200	SPN 2200
FRE 2201	GER 2201	SPN 2201
FRE 2240	GER 2210	SPN 2240
FRE 2241	SPN 1120	SPN 2241

Common Prerequisite Courses Required for Admission to Program: Not Satisfied

Admission to the program and/or university may be denied without completion of the prerequisites. Check with the university contact and the **Common Prerequisite Manual** to verify requirements.

Courses that also satisfy a general education requirement are highlighted.

RADIOLOGIC SCIENCE COMMON PROGRAM PREREQUISITES (BSC 2010C AND PHY 2053C RECOMMENDED IN GENERAL ED) Status: Needs 15.00 credits	Credits Required: 21.00 Credits Earned: 6.00 GPA Earned: 2.000			
Requires: a minimum of 5 sub-requirement(s), a minimum of 21.00 credit(s).				
COMPLETE 5 OF THE 6 SUBREQUIREMENTS.				
<table border="1" style="margin-left: 20px;"> <tr> <td style="text-align: center;">----- Subrequirement ----- CGS1060C INTRODUCTION TO COMPUTER SCIENCE</td> </tr> <tr> <td>Status: Area Satisfied</td> </tr> <tr> <td>Requires: a minimum of 2.00 credit(s).</td> </tr> </table>	----- Subrequirement ----- CGS1060C INTRODUCTION TO COMPUTER SCIENCE	Status: Area Satisfied	Requires: a minimum of 2.00 credit(s).	
----- Subrequirement ----- CGS1060C INTRODUCTION TO COMPUTER SCIENCE				
Status: Area Satisfied				
Requires: a minimum of 2.00 credit(s).				

Course	Term	Grade	Credits
<u>CGS1100</u>	200008	S	3.00
----- Subrequirement ----- ZOO3733C HUMAN ANATOMY & PCB3703C PHYSIOLOGY			
Status: Not Satisfied			
Requires: a minimum of 6.00 credit(s).			
----- Subrequirement ----- ANATOMY & PHYSIOLOGY I AND II			
Status: Not Satisfied			
Requires: a minimum of 6.00 credit(s).			
----- Subrequirement ----- PHY2053C COLLEGE PHYSICS I (MAC1114 IS PRE-REQ)			
Status: Not Satisfied			
Requires: a minimum of 3.00 credit(s).			
----- Subrequirement ----- PHY2054C COLLEGE PHYSICS II			
Status: Not Satisfied			
Requires: a minimum of 4.00 credit(s).			
----- Subrequirement ----- MAC1105 COLLEGE ALGEBRA			
Status: Area Satisfied			
Requires: a minimum of 3.00 credit(s).			
Course	Term	Grade	Credits
MAC1105	200005	C	3.00

Additional Course Suggestions: Strongly recommend students take STA2023 prior to transfer.

COMMUNITY COLLEGE EVALUATION

This portion of the evaluation compares your academic record to course requirements at the community college for the **Associate in Arts (AA)** degree. A total of 60 credit hours are required from the following areas:

Associate in Arts	Credits Required	Credits Earned
General Education	36	33
Electives	24	18
Total	60	51

Courses that also satisfy a common prerequisite requirement are highlighted.

GENERAL EDUCATION REQUIREMENTS

Credits Required: 36.00

Credits Earned: 33.00

Area 1: Communication

Credits Required:

Credits Earned:

Area 2: Mathematics

Credits Required:

Credits Earned:

Area 3: Social Sciences

Credits Required:

Credits Earned:

Area 4: Humanities

Credits Required:

Credits Earned:

Area 5: Natural Sciences

Credits Required:

Credits Earned:

ELECTIVE REQUIREMENTS

Credits Required: 24.00

Credits Earned: 18.00

UNIVERSITY TRANSFER EVALUATION

This portion of the evaluation compares your academic record to the rest of the course requirements for the **Bachelor's** degree program selected. Any coursework that applies to the **upper division requirements** are included.

PROGRAM SUMMARY FOR University of Central Florida

Area 1: "I" GRADES: FALL, 1997 AND LATER
 "N" GRADES FROM ALL SEMESTERS
 Status: Area Satisfied
 Requires: a minimum of 2 sub-requirement(s).

T	Requires: a minimum of 1 course(s).
	Negative Requirement: This requirement is considered met UNLESS you complete all its conditions.
I &e-	Requires: a minimum of 1 course(s).
	Negative Requirement: This requirement is considered met UNLESS you complete all its conditions.

Area 4: PROGRAM REQUIRES A 2.5 OVERALL GPA FOR
 ADMISSION, CONTINUATION, AND GRADUATION
 Status: Area Satisfied

Credits Earned: 57.00
 GPA Earned: 2.750

Requires: a minimum of 1 sub-requirement(s), a minimum GPA of 2.500.

Requires: a minimum GPA of 2.500.

Area 5: RADIOGRAPHY

Credits Required: 76.00

Status: **Needs 76.00 credits**
 Requires: a minimum of 20 sub-requirement(s), a minimum of 76.00 credit(s), a minimum GPA of 2.000.

T	----- Subrequirement ----- RTE3000 INTRO TO RADIOLOGIC SCIENCES
	Status: Not Satisfied
	Requires: a minimum of 2.00 credit(s).
I &e-	----- Subrequirement ----- RTE3111C INTRO TO PATIENT CARE
	Status: Not Satisfied
	Requires: a minimum of 2.00 credit(s).

----- Subrequirement ----- RTE3503C & RTE3513C RADIOGRAPHIC PROCEDURES I & II
Status: Not Satisfied
Requires: a minimum of 2 course(s), a minimum of 3.00 credit(s).
----- Subrequirement ----- RTE3116 ADVANCED PATIENT CARE
Status: Not Satisfied
Requires: a minimum of 3.00 credit(s).
----- Subrequirement ----- RTE3418C & RTE3457C PRIN OF RADIOLOGIC EXPOSURE I & II
Status: Not Satisfied
Requires: a minimum of 2 course(s), a minimum of 5.00 credit(s).
----- Subrequirement ----- RTE3804L/RTE3814L CLINICAL EDUCATION I & II
Status: Not Satisfied
Requires: a minimum of 4.00 credit(s).
----- Subrequirement ----- RTE3614 PHYSICS OF IMAGE PRODUCTION
Status: Not Satisfied
Requires: a minimum of 2.00 credit(s).
----- Subrequirement ----- HSC4550 PATHOPHYSIOLOGIC MECHANISMS
Status: Not Satisfied
Requires: a minimum of 3.00 credit(s).
----- Subrequirement ----- RTE4206 LEADERSHIP IN RADIOLOGIC SCIENCES
Status: Not Satisfied
Requires: a minimum of 3.00 credit(s).
----- Subrequirement ----- RTE3308 MEDICAL PHYSICS
Status: Not Satisfied
Requires: a minimum of 3.00 credit(s).
----- Subrequirement ----- RTE4563 SPECIAL RADIOGRAPHIC PROCEDURES
Status: Not Satisfied
Requires: a minimum of 2.00 credit(s).
----- Subrequirement ----- STA2023 STATISTICAL METHODS I
Status: Not Satisfied
Requires: a minimum of 3.00 credit(s).
----- Subrequirement ----- RTE4824L/4834L/4844L/4846L CLINICAL ED. III, IV, V-A,

 ⊗ 	Status: Not Satisfied
	Requires: a minimum of 17.00 credit(s).
 ⊗ 	----- Subrequirement ----- RTE4854L ADVANCED CLINICAL PRACTICUM
	Status: Not Satisfied
 ⊗ 	Requires: a minimum of 4.00 credit(s).
	----- Subrequirement ----- RTE4573 ADVANCED IMAGING MODALITIES
 ⊗ 	Status: Not Satisfied
	Requires: a minimum of 3.00 credit(s), a minimum GPA of 2.000.
 ⊗ 	----- Subrequirement ----- RTE4385 RADIOBIOLOGY
	Status: Not Satisfied
 ⊗ 	Requires: a minimum of 1.00 credit(s).
	----- Subrequirement ----- RTE4782 PATHOPHYSIOLOGY
 ⊗ 	Status: Not Satisfied
	Requires: a minimum of 2.00 credit(s), a minimum GPA of 2.000.
 ⊗ 	----- Subrequirement ----- RTE4473 QUALITY IMPROVEMENT
	Status: Not Satisfied
 ⊗ 	Requires: a minimum of 2.00 credit(s).
	----- Subrequirement ----- RTE4762 ANATOMY FOR THE MEDICAL IMAGER
 ⊗ 	Status: Not Satisfied
	Requires: a minimum of 3.00 credit(s), a minimum GPA of 2.000.
 ⊗ 	----- Subrequirement ----- RTE4574 COMPUTED TOMOGRAPHY PROTOCOLS OR RTE4579 MAG RESONANCE IMAGING PROTOCOLS
	Status: Not Satisfied
	Requires: a minimum of 1.00 credit(s).

Area 6: MINIMUM OF 33 HOURS OF RTE COURSES TAKEN AT UCF
 Status: **Needs 33.00 credits**
 Requires: a minimum of 1 sub-requirement(s), a minimum of 33.00 credit(s), a minimum GPA of 2.500.

Credits Required: 33.00

Requires: a minimum of 33.00 credit(s).

Area 7: PROGRAM OF STUDY APPROVAL BY DEPT.
 Status: **Not Satisfied**
 Requires: a minimum of 1 sub-requirement(s).

----- Subrequirement -----
VERIFICATION PROVIDED BY DEPT COORDINATOR

Status: **Not Satisfied**

Requires: a minimum of 1 course(s).

Area 8: **UNIVERSITY CREDIT HOUR REQUIREMENTS**

Status: **Not Satisfied**

Requires: a minimum of 4 sub-requirement(s).

----- Subrequirement -----
MINIMUM 120 SEMESTER HOURS

Status: **Not Satisfied**

Requires: a minimum of 120.00 credit(s).

----- Subrequirement -----
48 SEMESTER HOURS OF UPPER LEVEL COURSES

Status: **Not Satisfied**

Requires: a minimum of 48.00 credit(s).

----- Subrequirement -----
GENERAL UNIVERSITY RESIDENCY REQUIREMENT:
30 OF THE LAST 36 HOURS IN RESIDENCE AT UCF

Status: **Not Satisfied**

Requires: a minimum of 30.00 credit(s).

----- Subrequirement -----
UCF GRADE POINT AVERAGE OF 2.0 REQUIRED

Status: **Area Satisfied**

Requires: a minimum GPA of 2.000.

----DEFINITIONS FOR “MORE INFORMATION HYPERLINKS”----

Associate in Arts (AA) Degree

The Associate in Arts (AA) degree is designed for transfer to an upper division college or university. The AA degree satisfies 60 credits toward the 120 college credit hours required for a **Bachelor’s** degree. This is typically why transferring is referred to as “2+2” whereby the state guarantees student admission to one of the state universities, after completing an AA from a Florida community college, thus allowing a student to earn a bachelor's degree by completing two years of lower division work at a community college and transferring to a state university to complete two years of upper division work. [There is no guarantee for admission into the university of choice or the program of choice.]

An AA degree requires: 1) completion of 60 college credit hours, including 36 credits of **general education** and 24 credits of **electives**; 2) meeting the College Level Academic Skills Test (CLAST) or the alternative; and 3) achievement of a grade point average of at least 2.0 in all courses attempted and in all courses taken at the institution awarding the degree.

Academic Standing

In general, students are expected to maintain a 2.0 grade point average at all times to remain in good academic standing. Students with poor academic standing or outstanding obligations may not be awarded their degree.

Bachelor’s Degree

The Bachelor’s (or Baccalaureate) degree is awarded for successful completion of undergraduate curriculum at a four-year college or a university. [BA is the Bachelor of Arts degree and BS is the Bachelor of Science degree.]

A Bachelor’s degree requires: 1) completion of 120 college credit hours; 2) meeting the College Level Academic Skills Test (CLAST) or the alternative; and 3) completion of any other degree program requirements as specified by the university.

Catalog Year in Effect

The program information displayed for the community college portion of the evaluation is based on the catalog year in which you enrolled. This year is determined by your initial enrollment date and whether or not you maintained continuous enrollment as defined by the community college.

Limited Access

A limited access program utilizes selective admission to limit program enrollment. Certain degree programs are deemed “limited access” due to: resource limitations (student/faculty ratios, instructional facilities, equipment, or specific accrediting requirements, etc.), the program is of such a nature that applicants must demonstrate through an audition or portfolio that they already have the minimum skills necessary for them to benefit from the program or attain a grade point average (GPA) and/or other standards (e.g. standardized test scores) that are above those required for admission to the university offering the program.

If “yes”, the program selected is limited access, therefore, you are required to complete all the program pre-requisites and meet other limited access admission standards for admission to the program.

If “no”, the program selected is not limited access, therefore the admissions standards are not above those required for admission to the university offering the program.

Minimum Admission Standards

The selection criteria may vary from term to term depending on the number of spaces available and the quality of the applicant pool (e.g. the GPA may increase). It is important to exceed minimum requirements to be competitive for admission at the junior level. The selection criteria listed is provided on an annual basis directly from the Board of Governors.

Foreign Language Required

Foreign language is not required for completion of an **Associate in Arts (AA)** degree, but it is required for admission into any of the State universities. The **foreign language university admission requirement** may be met prior to transfer or after transfer (but prior to university graduation) depending on universities’ transfer student policy.

If "Before transfer", the institution requires the foreign language admission requirement be met **prior to transfer**.

If "Can be completed after transfer", the institution will admit transfer students without the foreign language admission requirement being met. However, students must still complete the foreign language requirement at the university **prior to graduation**.

Foreign Language University Admission Requirement

Your college transcript is evaluated to see if the foreign language admission requirement is met. The requirement may be satisfied by having earned 2 credits of one foreign language or American Sign Language in high school, 8-10 college credits in the same foreign language, or pass a CLEP or other proficiency examination.

If "satisfied", you have met the foreign language admission requirement.

If "not satisfied", you have not met the foreign language admission requirement. The foreign language courses offered at the community college will be provided, as well as options to search for online courses or **alternative methods of obtaining college credit**. If you earned 2 high school credits, you must submit your high school transcripts to the university registrar to validate high school language.

Alternative methods of obtaining foreign language credit

An alternate method for students to demonstrate equivalent foreign language competence may be available through the university or community college OR by means of a foreign-language examination approved by the university such as the College Level Examination Program (CLEP).

The CLEP examination, minimum scores for awarding credit, and maximum credit to be awarded are:

CLEP Examination	Minimum Score	Maximum Credit
French	50	12
	46	9
	42	6
German	55	12
	52	9
	43	6
Spanish	55	12
	48	9
	45	6

In the case of a student wishing to demonstrate competence by examination in a foreign language other than those identified above, or in American Sign Language, the standards and methods to be used will be identified by the university.

Common Prerequisite Courses Required for Admission to Program

Your college transcript is evaluated to see if the common prerequisite courses required for admission to the program are met. The common prerequisites used in this evaluation are provided by the selected university and are subject to change each catalog year (see the **Common Prerequisite Manual** for more information).

Satisfying common prerequisite courses is not required for an **Associate in Arts (AA)** degree; however, they are required for admission to the selected program at the university level. Some universities will not admit transfer students unless the common prerequisites for the program are satisfied.

In some cases, a general education course may also be a common prerequisite (as highlighted in the evaluation). It is to your advantage to take these courses to meet two requirements with one course and be prepared to enter a program upon transfer.

If "satisfied", you have met the common prerequisite courses required for admission to the program.

If "not satisfied", you have not met the common prerequisite courses required for admission to the program. While these courses are not required for an AA degree, if they are not met, it could jeopardize transfer.

General Education Requirements

A total of 36 college credits of general education are required for the awarding of an **Associate in Arts (AA)** degree and a **Bachelor's** degree. The courses that make up the general education will vary among institutions. However, institutions can only require 36 total hours to meet the general education requirement. If a student has completed 36 credit

hours of general education courses, but has not earned an AA degree, the university must accept these hours in total and cannot require additional general education courses, provided the student requests the college place on their transcript the notation “General Education Completed.” In some cases, a general education course may also be a common prerequisite. It is to the student’s advantage to take these courses to meet two requirements with one course.

Elective Requirements

In addition to 36 credits of general education, an **Associate in Arts (AA)** degree requires 24 college credits of electives. The 24 credits of electives can be met by taking any course. However, many **Bachelor’s** degree programs have **common prerequisite courses that must be met before students can be admitted to the program** and/or a **foreign language admission requirement**. Community college students can earn an AA degree without meeting the common prerequisites and/or the foreign language requirement. However, in that case, the program and/or university admissions requirements will not be met, and transfer may be jeopardized.

Electives may also include any lower level course required by the university as part of the 60 hours of **upper division requirements**. These courses are NOT required for admission to the program unlike **common prerequisites**. However, they are required to complete the Bachelor’s degree program. By law, lower level courses (freshmen and sophomore - 1000 & 2000 level) can be taken at either the community college or the university. (See the Transfer Institution section to view the upper division requirements and possible lower level courses that can be taken at the community college.)

Upper Division Requirements

The university upper division includes the courses required in the junior and senior year in order to graduate in the program selected based on the **SUS catalog year**. These courses relay the expectations for completing the degree program at the university.

Often there will be lower level courses (freshmen and sophomore - 1000 & 2000 level) that make up part of the university upper division 60 credit hours. By law, these courses can be taken at either the community college or the university. The universities cannot require that these courses be taken at the community college in order to be admitted to the university or the program. Section 1007.25(9) Florida Statutes says:

(9) A student who received an Associate in Arts degree for successfully completing 60 semester credit hours may continue to earn additional credits at a community college. The university must provide credit toward the student's baccalaureate degree for an additional community college course if, according to the statewide course numbering, the community college course is a course listed in the university catalog as required for the degree or as prerequisite to a course required for the degree...

Note: You must earn 120 credits for a **Bachelor’s** degree, so even if you take these other lower level courses at the community college, the university may still require up to 60 hours at their institution.

SUS Catalog Year

University upper division requirements are based on the current catalog year (i.e. the program requirements in the college catalog that was published this year, the current year).

The Statewide Articulation Agreement guarantees that the university catalog in effect the year a student enrolls in a community college will remain in effect and the baccalaureate degree requirements will not change *provided the student maintains continuous enrollment*. This is to ensure that the requirements for the program don't change while the student is enrolled at the community college. However, it is common practice for universities to enroll community college students under the universities current catalog year, unless the student requests that it be the catalog year in which they entered the community college system. The dean of the appropriate college typically reviews these requests to see if the student has maintained continuous enrollment. Universities define continuous enrollment differently, so students should check what the university policy is if they wish to enter under the catalog in effect the year they enrolled. Should a student fail to meet continuous enrollment, the catalog year under which they graduate (from the university) will revert to the most current catalog year. If a student maintains continuous enrollment, they are usually given the option of staying with the original catalog or coming under the current catalog requirements.

Articulation Coordinating Committee

May 28, 2008

Item 12

Subject: Workforce update

PROPOSED COMMITTEE ACTION

Information and discussion; No action required.

Supporting Documentation: Materials included in the packet

Facilitator/Presenter: Ms. Loretta Costin



Division of Workforce Education Curriculum Development and Revision Process

Loretta Costin, Vice Chancellor
Division of Workforce Education
May 28, 2008

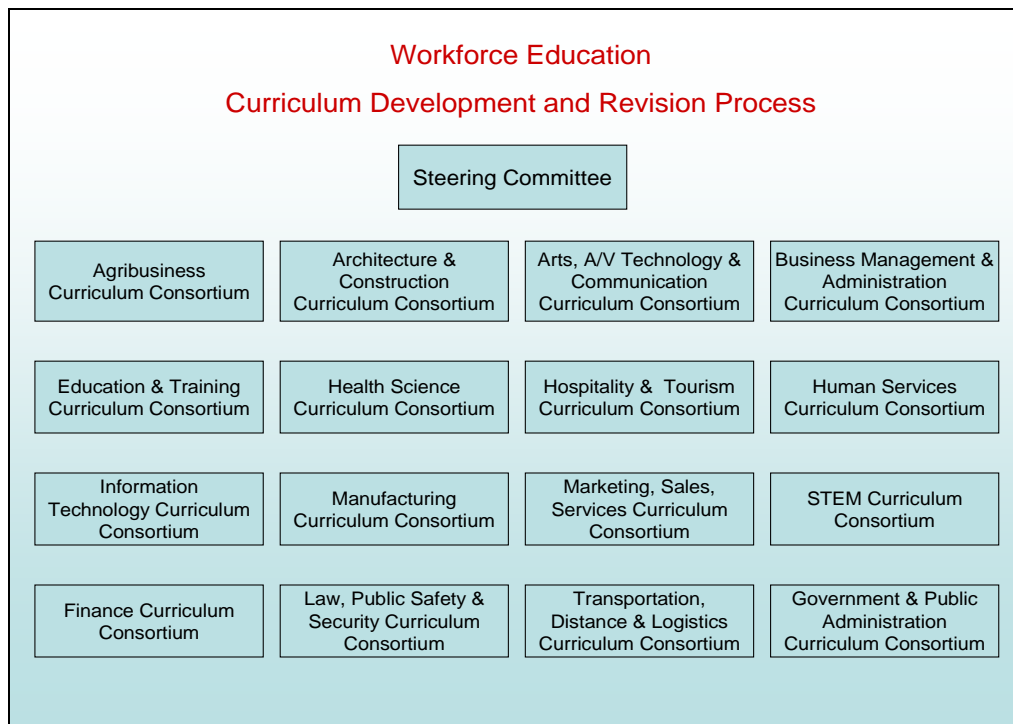
Division of Workforce Education

- Workforce Education has responsibility for the development of curriculum frameworks for career and technical education programs from middle school through AS degrees
- Programs are organized into 16 Career Clusters
- Each program curriculum framework includes the technical and academic skills that are essential to the career (occupation) “What a student needs to know and be able to do”
- The development of each curriculum framework must involve all stakeholders, with business and industry taking the lead in identifying the required technical and academic skills

The Division of Workforce Education is responsible for:

FLDOE Strategic Imperative #6:

Align Workforce Education Programs with Skill Requirements of the New Economy



Steering Committee Representation

- FLDOE – Divisions of Workforce Education, Community Colleges, Public Schools
- Workforce Florida, Inc.
- Florida Chamber of Commerce
- Office of Tourism and Economic Development
- Florida Association for Career and Technical Education
- Occupational Education Standing Committee

Curriculum Consortium Working Group* Representation

- Secondary Sector
- Postsecondary School District Sector
- Community College Sector
- Regional Workforce Board
- Banner Center (if available)
- Local/Regional Economic Development Organizations
- Professional/Trade Association(s)
- Regulatory Agency
- DWE Cluster State Supervisor (staff)

* Each working group will be chaired by a business/industry representative and co-chaired by an educator.

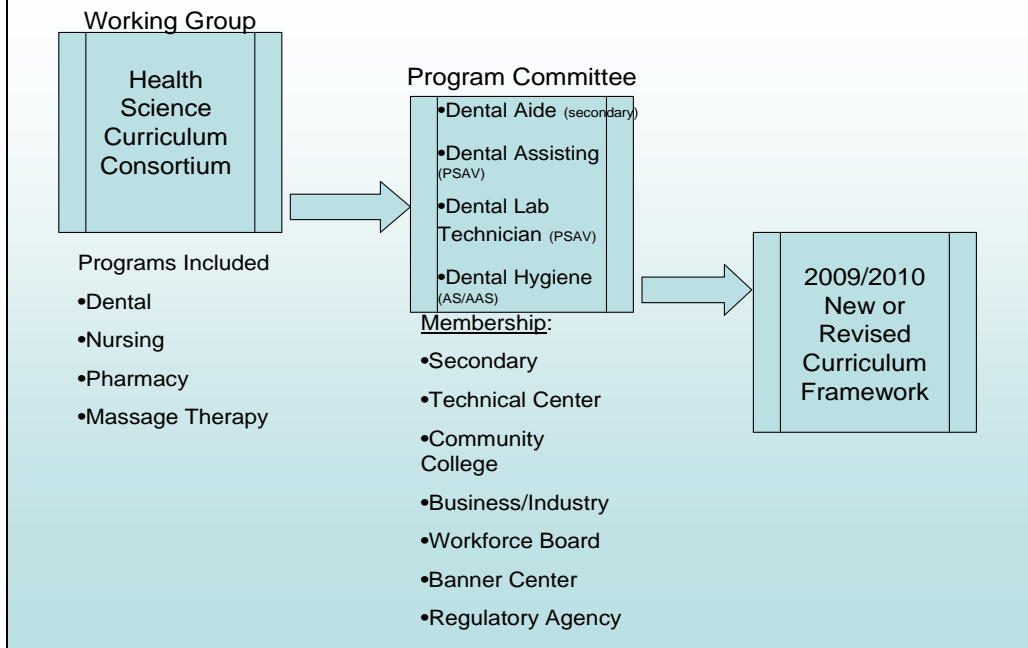
Working Group Process

1. Identify Florida's Emerging Occupations within the Career Cluster
2. Develop 3-year Program of Work
3. Identify Programs for Review and Revision during 2009-2010

Working Group Process (Cont.)

4. Determine strategies and timelines for 2009/2010 program of work:
Who ~ identification of individual program committees (all stakeholders represented)
How ~ face to face meetings/conference calls/webinars
When ~ develop timeline
5. Review and Approval of Final Product (curriculum frameworks)

Example of Curriculum Consortium Working Group Process



Timeline

- Presentation to Articulation Coordinating Committee (ACC) May 28
- Presentation to State Board Of Education June 2008
- Presentation to Workforce Florida, Inc. June 2008
- Organizational Meeting Steering Committee & Working Groups July 23, 2008

Articulation Coordinating Committee

May 28, 2008

Item 13

Subject: Standing Committee on Postsecondary Transition

PROPOSED COMMITTEE ACTION

Information and discussion; No action required.

Supporting Documentation: Agenda in packet

Facilitator/Presenter: Dr. Jill White and Dr. Walt Christy

Articulation Coordinating Committee

Standing Committee on Postsecondary Transition

May 28, 2008
9:30 a.m. – 12:00 p.m.
1706 Turlington Building
Tallahassee, Florida

AGENDA

1. Welcome & Comments from co-chairs	Dr. Jill White and Dr. Walt Christy
2. Reconciliation of Bright Futures Comprehensive Course Table (CCT) and Dual Enrollment Equivalency List	Dr. Heather Sherry
3. Discussion on Credit-in-Escrow Policies	Dr. Jill White
4. Student Progression Plans (accelerated middle school students)	Ms. Anna Cowin
5. CLEP examinations: Teacher certification and cut scores for foreign language	Dr. Pamela Kerouac
6. Implementation Issues relating to 2008 Legislation	Dr. Heather Sherry
7. General Updates ✓ UF statewide dual enrollment Agreements	Dr. Heather Sherry
8. Other Business	

Articulation Coordinating Committee

May 28, 2008

Item 14

Subject: Standing Committee on Postsecondary Articulation Policy

PROPOSED COMMITTEE ACTION

Information and discussion; No action required.

Supporting Documentation: Agenda in packet

Facilitator/Presenter: Dr. Dorothy Minear

Articulation Coordinating Committee

Standing Committee on Postsecondary Articulation Policy

**May 28, 2008
9:30 a.m. – 12:00 p.m.
1721/25 Turlington Building
Tallahassee, Florida**

AGENDA

AS-BS Statewide Agreements	Ten-Year Review of Associate in Science – Baccalaureate Articulation Agreements
Articulation Accountability	Compliance with Section 1008.38, Florida Statutes
Admissions Requirements	Consistent Definition of Admissions Requirements/Limited Access
CLAST Rule	Discussion of updates to CLAST rule
General Education	Courses Used to Fulfill General Education and Accepted by All Institutions
College Readiness	Alignment of Standards – English and Mathematics
Other Discussion Items	

Articulation Coordinating Committee

February 27, 2008

Item 15

Subject: General Updates

PROPOSED COMMITTEE ACTION

Information and discussion; No action required.

Supporting Documentation: Materials provided at the meeting (BOG Regulation and UF statewide dual enrollment agreement memo included in packet)

Facilitator/Presenter: Dr. Heather Sherry

General Updates:

- Course Code Directory:
- BOG Regulation 6.006 – Acceleration Mechanisms:
- High School Feedback Report:
- Performance on Common Placement Tests:
- University of Florida statewide dual enrollment agreements:
<http://info.fldoe.org/docshare/dsweb/Get/Document-4968/uf-statewide-de.pdf>