

Scheduling for Concentration and Career Cluster Pathway Completion and Resources

How do I work with students to help them be pathway completers while transitioning to the new Career Cluster pathways and courses?



New Career Cluster Courses

- Courses have been adopted by State Board of Education for more than 114 career pathways
- High schools can start teaching these new pathway courses in August 2014
- Some systems have quickly adopted new courses, while others slowly integrate classes into master schedule
- Some courses appear to have similar name
- Courses are different and be treated that way



**How should my school
transition from
Concentration courses
to Cluster courses
and pathways?**



Dr. John D. Barge, State School Superintendent
"Making Education Work for All Georgians"
www.gadoe.org

Business Management and Administration

- School in system has 1 certified Business Education Teacher
- This teacher can offer two pathways in this Career Cluster
- Teacher is able to start each pathway and treat students as a group/cohort
- Teacher also needs to finish students in pathway under concentration courses
- Treat courses from concentration and cluster due to structure of course and End of Pathway Assessment alignments



Pathway 1

Business and Technology

1-1 = *Introduction to Business and Technology*

1-2 = *Business and Technology*

1-3 = *Business Communications*



Pathway 2

Entrepreneurship

2-1 = *Introduction to Business and Technology*

2-2 = *Legal Environment of Business*

2-3 = *Entrepreneurship*

Information to Consider/Review

- Courses under aligned Program Concentrations and Career Clusters will count towards pathway completion
- Which course is correct to finish pathway?



- Best to keep Concentration and Clusters courses separate for students and pathway completion
- Although combining Concentration and Cluster courses can impact student preparation for End of Pathway Assessment
 - Some standards under course 3 in Concentration have been moved to course 2 in Cluster
 - Students may miss or get double dose of standards and miss other essentials standards altogether



Sample Scenario of One Teacher's Schedule

Two Pathways - 4-Block Day

2014-Fall Semester I	2015-Spring Semester II	2015-Fall Semester I	2016-Spring Semester II	2016-Fall Semester I	2017-Spring Semester II	2018-Spring Semester II
1-1						1-2
2-1						2-2
Concentration pathway course						1-1 or 2-3
Planning						Planning

Start thinking about scheduling as a multi-year process and not a semester or year at a time

Sample Scenario of One Teacher's Schedule

Two Pathways - 6-period a day

2014	2015	2016	2017	2018	2019
1-1	1-2 Pathway	1-3	1-1	1-2 Pathway	1-3
2-1	2-2 Pathway	2-3	1-2	1-3	1-1
Concentration pathway course	Concentration pathway course	1-1	2-1	2-2 Pathway	2-3
Concentration pathway course	Concentration pathway course	2-1	2-2 Pathway	2-3	2-1
1-1	1-2 Pathway	1-3	1-1	1-2 Pathway	1-3
Planning	Planning	Planning	Planning	Planning	Planning



Resources 2014

- Updates and new versions of documents coming to middle and high schools this fall
- Resources designed to assist students with proper career guidance and counseling
- Boxes will be mailed to central office and to attention of superintendent of designee in July



Dual Enrollment Flyer

- Updated Dual Enrollment Flyer for Parents
- A copy for parent/guardian of each 8th grade student will be sent to system
- May need to break sets of 25 flyers to distribute to each school

GEORGIA DEPARTMENT OF EDUCATION



Attention Parents!
Your child can Earn College Credit in High School!

Dual Enrollment/Dual Credit programs provide opportunities for Georgia high school students to take college-level courses and earn concurrent credit toward a high school diploma and a college degree while still in high school.

Dual Enrollment/Dual Credit courses are primarily available for any eligible 11th or 12th grade (in some limited cases 9th-10th) high school students. Students may enroll full-time or part-time in approved credit-bearing college-level courses by the State Board of Education.

Required Dates and Information to Parents and Students

- April 1 is the deadline for dual enrollment general information to be provided to all 8th through 11th grade students and their parents each school year, as required by Georgia legislation.
- If you want your child enrolled in a dual enrollment program, Georgia legislation requires a student advisement session, that includes the parents and school counselor, where the following programs are explained and the appropriate dual enrollment/dual credit forms can be completed and signed to ensure enrollment.

Dual Enrollment/Dual Credit Facts

- Eligible dual enrollment/dual credit courses are included in state-approved course lists, including the Accel list, Dual Enrollment Matrix Course Directory, and the Move on When Ready Supplemental List.
- One to two college semester hours will earn ½ high school unit, while three to five college hours will earn a full high school unit.
- If colleges and universities provide letter grades for their courses, the local system may create a numerical conversion chart for dual enrollment credit courses.
- Dual enrollment/dual credit courses may be taken before, during, or after regular school hours, and may be taught on the college campus, on-line or at the high school during the regular school calendar year.

Dual Enrollment/Dual Credit Programs in Georgia

Accel

- Accel is a non-need based program offered for students that wish to take college-level (academic-only, degree-level) coursework for credit toward both high school and college graduation requirements.
- The Accel Program became state funded instead of lottery funded beginning fall 2011. Students may attend part-time or full-time.

www.gsfec.org/main/publishing/pdf/2015/2015-Accel.pdf

Dual HOPE Grant

- Dual HOPE Grant is a non-need based grant program for students seeking technical certificates or diplomas from one of the Technical College System of Georgia Institutions.
- Students may attend part-time or full-time. Beginning fall 2011, funding was returned to local systems for Dual HOPE Grant students.

www.gsfec.org/main/publishing/pdf/2015/2015-HOPE-Grant%20with%20SIWDG.pdf

continued on back

Dr. John D. Barge, State School Superintendent May 2014



Career Cluster Posters

- Updated Posters
- Highlights each Career Cluster and Advanced Academics, World Language, Fine Arts
- Posters available for you to take today
- One set per counselor



HEALTH SCIENCE Career Cluster

- The Health Science Career Cluster includes planning, managing, and providing services in therapeutics, diagnostics, health informatics, support areas, and biotechnology research and development.
- Successful completion of three sequenced Health Science courses prepares you possibly to earn a national industry credential that can assist you in obtaining a job.
- Contact your counselor/advisor for more information about the Health Science Career Cluster.



Dr. John D. Barge, State School Superintendent
"Making Education Work for All Georgians"
www.gadoe.org



The Georgia Department of Education (GaDOE) does not discriminate on the basis of race, color, religion, or marital status, age, or disability in its programs, activities, or employment practices. This document was developed using funds from the US Department of Education College Access Challenge Grant. However, this document does not necessarily represent their policies and you should not create an inference for the Federal Government.



Career Cluster Ring Cards

- Update of Ring Cards to include Career Clusters, CTSO, Dual Enrollment, Academics, WBL/Capstone, Graduation Plan
- Includes pathways, course numbers, sequenced courses
- Sets shipped to central office for middle and high school counselors, administrators



Career Cluster Pathways in Information Technology

Web and Digital Design Pathway
 11.41500 - Introduction to Digital Technology
 11.45100 - Digital Design
 11.45200 - Web Design

Programming Pathway
 11.41500 - Introduction to Digital Technology
 11.47100 - Computer Science Principles
 11.47200 - Programming, Games, Apps and Society

Computer Science Pathway
 11.41500 - Introduction to Digital Technology
 11.47100 - Computer Science Principles
 11.01600 - Advanced Placement Computer Science

Information Support and Services Pathway
 11.41500 - Introduction to Digital Technology
 11.41400 - Information Technology Essentials
 11.42000 - Information Technology Support

Networking Pathway
 11.41500 - Introduction to Digital Technology
 11.46100 - Networking Fundamentals
 11.46200 - Network Systems and Support

Health Information Technology Pathway
 25.52100 - Introduction to Healthcare Science
 25.49500 - Essentials of Health Information Technology
 25.49600 - Applications of Health Information Technology

Helping Students Graduate College and Career Ready in Information Technology

Educational programs in this cluster prepare students to build linkages in information technology occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.

OCTAE
 Career, Technical & Agricultural Education
 Education that works for Georgia

COLLEGE ACCESS CHALLENGE GRANT

Career Pathways and courses listed for this Career Cluster are current as approved by the Georgia State Board of Education. To view recently approved pathways and courses, please visit ctae.gadoe.org

June 2014



Dr. John D. Barge, State School Superintendent
 "Making Education Work for All Georgians"
www.gadoe.org

Capstone Cards

- Created to explain components and features
- Cards cover steps and process students follow
- Students review Capstone basics while teachers may download project Guidance
- High schools will receive 60 copies of Capstone Cards

What is the High School Career-Related Capstone Project?

The project provides students with the opportunity to explore a career of personal or professional interest and to address the latest trends or issues through focused study and applied research. The project allows students to demonstrate their ability to synthesize and apply the knowledge and skills acquired in their academic program to real-world issues and problems. These final projects should affirm students' ability to think critically and creatively, to solve practical problems, to make reasoned and ethical decisions, and to communicate effectively.

What is the suggested timeline for students to complete the project?

Students typically participate in this career-related capstone project after a pathway has been completed and this usually occurs before or during the students' senior year. The timeline may vary based on the school's type of grading schedule, i.e. semester, year-long, or block. The project may be carried out over an entire year or be completed in a specified amount of time, such as a nine-week period or a semester. The recommendation is to carry the project out a minimum of one semester.

Will the Capstone Project be graded?

The components that may be graded are the research paper, presentation, and the portfolio. A sample scoring rubric will be provided for each of the components. The local schools will determine weighting for the grades given (if applicable) to the research paper and portfolio. Local systems will also determine the class for which the grade will be associated should the decision be made to assign a grade.

What are the Components of the Capstone Project?

Research Paper

The first component is a research paper documenting information on a subject of the student's choice -- a subject demonstrating the student's career interest, but not necessarily one for which they are an expert. The research must be a worthwhile stretch beyond what is already known.

- reasons for selecting the occupation in the specific career cluster/pathway
- career goals, relevant career-related information that provides the reader some information about a specific occupation or current topics related to that occupation
- research on job outlook and education and training needed
- any current trends or changes in the future of the career field

Additionally, to enhance the research and expand learning, systems may require students to explore an aspect of the career in-depth that may be a "hot topic" in the field, i.e. latest research on a particular medicine used in treating certain diseases, genetic research or food insecurity in the area of Agriculture, or natural gas pipeline safety in the area of energy.



Dr. John D. Barge, State School Superintendent
"Making Education Work for All Georgians"

June 2014



Dr. John D. Barge, State School Superintendent
"Making Education Work for All Georgians"
www.gadoe.org

Resources Still Available

- counselor.gadoe.org
 - Dedicated web site with web pages specifically for elementary, middle, and high school counselors
 - Counselors able to reference documents, materials and web pages as they provide career guidance and counseling with students and inform parents
 - Many popular state guidance and policy documents linked within each web page



Career Cluster Folders

- Folders and Cluster/pathway information cards
- Distributed to middle, high schools last year
- Great resource to help students explore each cluster and then choose pathway to further study

