

Cobb County Career Technical Ag. Education Career Pathways Programs of Study

SEQUENCE OF COURSE SELECTIONS 2010–2011

NOTES:

- 1) Single asterisked courses are required for the successful completion of a Career Pathway, and are listed in the prerequisite sequence in which they are to be completed, unless exceptions are noted within the Pathway.
- 2) Related courses listed after the three single asterisked courses within a pathway are available for advanced supplemental instruction.
- 3) *Italicized* courses meet the 4th year science requirement under the new graduation rule for FY12 and FY13 class students only. They do not meet the Georgia Board of Regents college admissions science credit.
- 4) *Italicized AND bolded* courses meet BOTH the 4th year science high school graduation requirement AND the Georgia Board of Regents college admissions science requirement.

MARKETING CONCENTRATION PATHWAYS***

***11th and 12th graders are encouraged to take a correlated Work-based Learning Placement (WBL) course in conjunction with their instructional Marketing class. For scheduling applications and eligibility requirements, refer to PICASSO's Work-based Programs Course Descriptions. View New WBL Number System Explanation FY11 PDF File for appropriate WBL Course Number Assignment.

9th and 10th graders may take Marketing instructional courses without WBL correlation.

1) Marketing & Management Career Pathway

| | |
|----------|----------------------------------------|
| 08.47400 | *Marketing Principles |
| 08.47500 | *Advanced Marketing |
| 08.43600 | *Entrepreneurship: Building a Business |

2) Fashion Marketing Career Pathway

| | |
|----------|------------------------------------|
| 08.47400 | *Marketing Principles |
| 08.41300 | *Introduction to Fashion Marketing |
| 08.41400 | *Advanced Fashion Marketing |

3) Marketing Communications and Promotion Career Pathway

| | |
|----------|-----------------------------------|
| 08.47400 | *Marketing Principles |
| 08.47200 | *Professional Sales and Promotion |
| 08.47900 | *E-Marketing |

4) Travel Marketing and Lodging Management Career Pathway

| | |
|----------|-----------------------|
| 08.47400 | *Marketing Principles |
|----------|-----------------------|

| | |
|----------|------------------------------------------------|
| 08.43000 | *Discovering Hospitality and Tourism Marketing |
| 08.43700 | *Hospitality and Tourism Management |

Sports and Entertainment Marketing Career Pathway

| | |
|----------|-----------------------------------------------------|
| 08.47400 | *Marketing Principles |
| 08.47800 | *Introduction to Sports and Entertainment Marketing |
| 08.48500 | *Advanced Sports and Entertainment Marketing |

Correlating WBL Placement Example

| | |
|----------|---------------------------------------------------------------|
| 08.71140 | Marketing WBL Placement**** ****See Page 6 for Explanation |
|----------|---------------------------------------------------------------|

*** The following courses serve as optional advanced related courses for all Marketing Career Pathways.

| | |
|-------------|-------------------------------------------------------|
| ***08.48000 | Marketing Research |
| ***06.41430 | Int'l. Business and Marketing |
| ***08.46100 | Introduction to Retail Food Marketing |
| ***08.46200 | Principles of Food Marketing, Sales, and Distribution |

End of Marketing Concentration

FAMILY & CONSUMER SCIENCES CONCENTRATION PATHWAYS

***This course is available to students without previous FACS Connections coursework (middle feeder school doesn't offer FACS Connections), as an introduction course to FACS programs, or as a 9th Grade Academy course. It is not a requirement for any FACS pathways' program completion.

| | |
|-------------|--------------------------------------------|
| ***20.40101 | Family Consumer Science Pathway Essentials |
|-------------|--------------------------------------------|

1) Nutrition and Food Science Career Pathway

| | |
|-----------------|-------------------------------------------------|
| 20.41610 | *Food, Nutrition and Wellness |
| 20.41710 | *Food and Nutrition Through the Lifespan |

| | |
|---------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 20.41810 | *Food Science |
| 2) Culinary Arts Career Pathway | |
| 20.53100 | *Introduction to Culinary Arts |
| 20.53210 | *Culinary Arts I |
| 20.53310 | *Culinary Arts II |
| 3) Interior Design Career Pathway | |
| 20.44700 | *Textile Science |
| 20.44100 | *Foundations of Interior Design |
| 20.44200 | *Interior Design Furnishings, Materials and Components |
| 20.44800 | Interior Design Internship |
| 4) Consumer Services Career Pathway | |
| 20.45100 | *Consumer Awareness |
| 20.45200 | *Consumer Skills |
| 20.43000 | *Consumer Finance |
| EDUCATION CONCENTRATION PATHWAYS | |
| 1) Teaching As A Profession Career Pathway | |
| 13.41100 | *Examining the Teaching Profession |
| 13.41200 | *Contemporary Issues in Education |
| 13.52100 | *Teaching As A Profession Internship |
| 13.71140 | Education WBL Placement**** ****See Page 6 for explanation |
| 2) Early Childhood Education Career Pathway** | |
| 20.42320 | * Human Growth and Development for Early Childhood |
| 20.52610 | * Health, Safety & Nutrition for the Young Child |
| 20.52510 | * Introduction to Early Childhood Care and Education |
| 20.52710 | Early Childhood Education Internship |
| **ECE Pathway's three courses must be completed first before moving into Internship. | |
| BUSINESS AND COMPUTER SCIENCE CONCENTRATION PATHWAYS | |
| BUSINESS PROGRAM PATHWAYS | |
| ***The Computer Applications course | |

(#07.44110) is available to students without previous Middle School Business Connections coursework as an introduction course to Bus./Computer Science programs to ensure students develop touch typing skills and basic Word, Excel, Access, PowerPoint document processing applications. It is only a requirement for the Business and Computer Science Concentration's Administrative/Information Career Pathway's completion.

1) Administrative/Information Support Career Pathway

| | |
|----------|------------------------------------------|
| 07.44110 | *Computer Applications I*** |
| 07.44120 | *Computer Applications II |
| 07.48310 | *Business Communication and Presentation |
| 07.46210 | Business Procedures |

2) Accounting Career Pathway

| | |
|----------|------------------------------|
| 06.41600 | *Business Essentials |
| 07.41100 | *Principles of Accounting I |
| 07.41200 | *Principles of Accounting II |

Note: Business Essentials can be taken after the two Accounting courses to complete the pathway.

3) Small Business Development Career Pathway

| | |
|----------|--------------------------------------|
| 06.41600 | *Business Essentials |
| 06.41500 | *Legal Environment of Business |
| 06.41700 | *Entrepreneurial Ventures |
| 06.41430 | International Business and Marketing |
| 07.48410 | Communications for Business |

4) Financial Mgt. Services Career Pathway

| | |
|----------|--------------------------|
| 06.41600 | *Business Essentials |
| 07.42110 | *Banking and Investing |
| 07.42300 | *Insurance and Risk Mgt. |
| 07.42600 | Financial Literacy |

Note: The Financial Mgt. pathway courses are not prerequisites to the Financial Literacy course.

5) Business and Computer Science WBL Placement Example

| | |
|----------|----------------------------------------------------------------------------|
| 07.71140 | Bus & Computer Science WBL Placement**** ****See Page 6 for Explanation |
|----------|----------------------------------------------------------------------------|

6) Campbell HS Int'l. Baccalaureate Program Business Management Career Pathway

| | |
|----------|-------------------------|
| 06.42000 | IB Business and Mgt. SL |
|----------|-------------------------|

| | |
|-----------------------------------------------------------------------------------|-----------------------------------------|
| 06.43000 | IB Business and Management HL |
| COMPUTER SCIENCE PROGRAM PATHWAYS | |
| 1) Computer Networking Career Pathway | |
| 11.41400 | *Information Technology Essentials |
| 11.42000 | *Information Technology Support |
| 11.42200 | *Networking Systems |
| 2) Computing Career Pathway | |
| 11.41300 | *Computing in the Modern World |
| 11.41800 | *Beginning Programming |
| 11.42100 | *Intermediate Programming |
| 11.42600 | Information Systems Mgt. |
| 11.41600 | AP Computer Science A** |
| **11.41800 and 11.42100 are not prerequisites for the AP Computer Science course. | |
| 3) Interactive Media Career Pathway | |
| 11.41300 | *Computing in the Modern World |
| 11.43100 | *Fundamentals of Web Design |
| 11.43200 | *Advanced Web Design |
| 11.42800 | Introduction to Animation and 3d Design |
| 4) Computer Systems and Support Career Pathway | |
| 11.41300 | *Computing in the Modern World |
| 11.41400 | *Information Technology Essentials |
| 11.42000 | *Information Technology Support |

| | |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| AGRICULTURE CONCENTRATION PATHWAYS | |
| CCSD currently only offers the Plant Science/Horticulture Career Pathway courses. | |
| 1) Plant Science/Horticulture Career Pathway | |
| 02.47100 | *Basic Ag. Science & Technology |
| 01.46100 | *General Horticulture and Plant Science |
| 01.47000 | *Nursery and Landscape |
| 01.46200 | Floriculture Production & Mgt. |
| **Related advanced courses—supports and supplements courses for Plant Science/Horticulture Pathway. | |
| 02.44100 | **Plant Science and Biotechnology |
| 01.46300 | **Landscape Design and Mgt. |

| | |
|--------------------------------------------------|--------------------------------------------------|
| 01.46400 | **Nursery Production and Mgt. |
| 01.46500 | **Turf Production and Mgt. |
| 01.46600 | **Floral Design and Mgt. |
| 01.46800 | **Advanced Landscape Design |
| 01.46900 | **Fruit, Vegetable, and Nut Production |
| 2) Veterinary Science Career Pathway | |
| 02.47100 | *Basic Ag. Science & Technology |
| 02.42300 | *Small Animal Care |
| 02.42400 | *Veterinary Science |
| 3) Agribusiness Management Career Pathway | |
| 02.47100 | *Basic Ag. Science & Technology |
| 01.41200 | *Agribusiness Management and Leadership |
| 01.41300 | *Marketing Agricultural Products and Services |
| 4) Agricultural Mechanics Career Pathway | |
| 02.47100 | *Basic Ag. Science & Technology |
| 01.42100 | *Agricultural Mechanics I |
| 01.42200 | *Agricultural Mechanics II |
| 01.42300 | Agricultural Mechanics III |
| 01.42600 | Agricultural Electricity and Electrical Controls |
| 01.42700 | Agricultural Construction |
| 01.42400 | Agricultural Metal Fabrication |
| 01.42500 | Agricultural Power and Machinery |
| 5) Agriscience Career Pathway | |
| 02.47100 | *Basic Ag. Science & Technology |
| 02.42100 | *Animal Science Technology/Biotechnology |
| 02.44100 | *Plant Science and Biotechnology |
| 02.47500 | Biotechnology in Agriculture |
| 6) Animal Science Career Pathway | |
| 02.47100 | *Basic Ag. Science & Technology |
| 02.42100 | *Animal Science Technology/Biotechnology |
| 01.43200 | *Agricultural Animal Production and Management |
| 02.42200 | Equine Science |

HEALTHCARE SCIENCE TECHNOLOGY CONCENTRATION PATHWAYS

1) Therapeutic Services – Nursing Career Pathway

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 25.52100 | <i>*Introduction to Healthcare Science</i> |
| 25.52200 | <i>*Application of Therapeutic Services</i> |
| 25.56100 | <i>*Nursing Essentials</i> |
| 25.56300 | Therapeutic Services Internship |
| **Work-based Learning Courses Correlated with Healthcare Science Courses— Use the correlating pathway's Internship course for the first time a student participates. Use the new WBL Placement numbers for continued off site job placement experience, 25.71140 Healthcare Science WBL Placement**** ****See Page 6 for Explanation. | |
| 2) Health Informatics Career Pathway | |
| 25.52100 | <i>*Introduction To Healthcare Science</i> |
| 25.59100 | <i>*Medical Terminology in Healthcare Systems</i> |
| 25.59200 | <i>*Applications of Health Informatics</i> |
| 25.59400 | Health Informatics Technology Internship |
| 3) Therapeutic Services – Medical Services Career Pathway | |
| 25.52100 | <i>*Introduction To Healthcare Science</i> |
| 25.52200 | <i>*Applications of Therapeutic Services</i> |
| 25.52500 | <i>*General Medicine</i> |
| 25.52600 | Medical Services Internship |
| 4) Therapeutic Services – Emergency Services Career Pathway | |
| 25.52100 | <i>*Introduction To Healthcare Science</i> |
| 25.56400 | <i>*Emergency and Disaster Preparedness</i> |
| 25.56200 | <i>*Concepts of Emergency Medicine</i> |
| 25.52700 | Emergency Medicine Internship |
| 5) Public Health Technology Career Pathway | |
| 25.52100 | <i>Introduction to Healthcare Science</i> |
| 25.52200 | <i>*Applications of Therapeutic Services</i> |
| 25.43000 | <i>*Introduction to Public Health</i> |
| 25.43100 | <i>*Advanced Public Health</i> |
| 25.43200 | Internship in Public Health |
| 6) Diagnostic Services Career Pathway | |
| 25.52100 | <i>*Introduction To Healthcare Science</i> |
| 25.56500 | <i>*Basic Diagnostic Services</i> |
| 25.56600 | <i>*Clinical Laboratory Technician</i> |

| | |
|-------------------------------------------------------------------|-------------------------------------------------------|
| 25.56700 | Clinical Laboratory Technician Internship |
| 7) Biotechnology Research and Development Career Pathway | |
| 25.52100 | <i>*Introduction to Healthcare Science</i> |
| 25.56800 | <i>*Introduction to Biotechnology</i> |
| 25.56900 | <i>*Applications of Biotechnology</i> |
| 25.57500 | Biotechnology Internship/Independent Research Project |
| 8) Therapeutic Services – Physical Medicine Career Pathway | |
| 25.52100 | <i>*Introduction to Healthcare Science</i> |
| 25.58000 | <i>*Principles of Physical Medicine</i> |
| 25.58100 | <i>*Concepts of Physical Medicine</i> |
| 25.58200 | <i>Rehabilitation in Physical Medicine</i> |
| GOVERNMENT AND PROTECTIVE SERVICES CONCENTRATION PATHWAYS | |
| 1) Law and Justice Career Pathway | |
| 43.43000 | <i>*Introduction to Law and Justice</i> |
| 43.43500 | <i>*Law, Community Response, and Policing</i> |
| 43.43300 | <i>* Criminal Investigations and Forensics</i> |
| 43.43400 | Law and Justice Internship |
| Government/Protective Services Pathways | |
| 2) Homeland Security and Emergency Services Career Pathway | |
| 43.43600 | <i>*Homeland Security</i> |
| 43.43700 | <i>*Emergency Services</i> |
| 43.43800 | <i>*First Responder and Emergency Leadership</i> |
| 43.43900 | Homeland Security and Emergency Services Internship |

**ARCHITECTURE, CONSTRUCTION,
COMMUNICATIONS, AND
TRANSPORTATION CONCENTRATION
PATHWAYS
(Formerly known as Trade and Industry)**

For Drafting Technology Program Area:

1) Architectural Drawing and Design Pathway

| | |
|----------|-------------------------------------------|
| 48.54100 | *Intro. to Engineering Drawing and Design |
| 48.54500 | *Architectural Drawing and Design I |
| 48.54600 | *Architectural Drawing and Design II |

2) Engineering Graphics and Design Career Pathway

| | |
|----------|-------------------------------------------------|
| 48.54100 | *Introduction to Engineering Drawing and Design |
| 48.54200 | * Survey of Engineering Graphics |
| 48.54300 | * 3D Modeling and Analysis |

**** Supplemental advanced courses for the two Drafting Career Pathways**

| | |
|----------|-------------------------------------------------|
| 48.54400 | **Technical Manufacturing Concepts and Drawings |
| 48.54700 | **Structural Detailing |
| 48.54800 | **Civil Engineering Drawing |

For Auto Service Tech. Program Area:

1) Transportation Logistical Operations Pathway

| | |
|----------|----------------------------------------------|
| 47.57100 | *Foundations of Transportation and Logistics |
| 47.57600 | *Electrical/Electronic Systems and Design |
| 47.57910 | * Heating, Ventilation & Air Conditioning |
| 47.57800 | Preventative Maintenance Inspection |
| 47.57500 | Transportation Logistics Internship |

2) Transportation Logistical Support Pathway

| | |
|----------|----------------------------------------------|
| 47.57100 | *Foundations of Transportation and Logistics |
| 47.57600 | *Electrical/Electronic Systems and Design |
| 47.57700 | *Chassis System & Design |
| 47.57900 | Engine Performance Concepts |
| 47.57500 | Transportation Logistics Internship |

For Construction Tech Program Area:**

****This program area requires *four units* for pathway completion as noted below:**

1) Carpentry Career Pathway

| | |
|----------|---------------------------------------|
| 46.54500 | *Occupational Safety and Fundamentals |
| 46.54600 | *Introduction to Construction |
| 46.55000 | *Carpentry I |
| 46.55100 | *Carpentry II |
| 46.55200 | Construction Site Layout |
| 46.55300 | Commercial Carpentry |

2) Electrical Career Pathway

| | |
|----------|---------------------------------------|
| 46.54500 | *Occupational Safety and Fundamentals |
| 46.54600 | *Introduction to Construction |
| 46.56000 | *Electrical I |
| 46.56100 | *Electrical II |
| 46.56200 | Commercial Wiring I |
| 46.56300 | Commercial Wiring II |

3) Masonry Career Pathway

| | |
|----------|---------------------------------------|
| 46.54500 | *Occupational Safety and Fundamentals |
| 46.54600 | *Introduction to Construction |
| 46.57000 | *Masonry I |
| 46.57100 | *Masonry II |
| 46.57200 | Design Masonry |
| 46.57300 | Commercial Masonry |

4) Plumbing Career Pathway

| | |
|----------|---------------------------------------|
| 46.54500 | *Occupational Safety and Fundamentals |
| 46.54600 | *Introduction to Construction |
| 46.58000 | *Plumbing I |
| 46.58100 | *Plumbing II |
| 46.58200 | Commercial Plumbing I |
| 46.58300 | Commercial Plumbing II |

Correlated Work-based Learning for Construction Tech Students:

| | |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 46.54700 | Construction Internship |
| Use the new WBL Placement numbers for continued off site job placement experience, as noted below: | |
| 46.71140 | Construction WBL Placement**** ****See Page 6 for Explanation |

For Personal Care Services Cosmetology Pathway

| | |
|----------|----------------------------------------------------|
| 12.54500 | *Cosmetology Services Core I |
| 12.54600 | *Cosmetology Services Core II |
| 12.54800 | ► *Cosmetology Services Core III and Internship I |
| 12.54900 | ► Cosmetology Services Core IV and Internship II |
| 12.55000 | ► Advanced Cosmetology Services and Internship III |
| 12.55300 | |

| | |
|--------------------------------------------------|------------------------------------------------------------|
| 12.55400 | ► Licensure and Employment Opportunities and Internship IV |
| 12.56100 | ► Cosmetology Science and Internship V |
| 12.55700 | |
| Supplemental Cosmetology Courses | |
| 12.55900 | Science of Advanced Skincare (1/2 credit course?) |
| 12.56000 | Art and Science of Makeup (1/2 credit course?) |
| ► These two ½ credit courses are taken together. | |

For Electronic Publishing Communications Program Area:

1) Graphic Communications Career Pathway

| | |
|----------|--------------------------------------|
| 48.56100 | *Introduction to Graphics and Design |
| 48.56200 | *Graphic Design and Production |
| 48.56900 | *Advanced Graphic Output Processes** |

2) Graphic Design Career Pathway

| | |
|----------|--------------------------------------|
| 48.56100 | *Introduction to Graphics and Design |
| 48.56200 | *Graphic Design and Production |
| 48.52800 | *Advanced Graphic Design |

****Supplemental Graphic Communication courses:**

| | |
|----------|-----------------------------------------|
| 48.56300 | **Practicum A, Press Operations |
| 48.56400 | **Practicum B, Digital File Preparation |
| 48.56500 | **Practicum C, Binding and Finishing |
| 48.56600 | **Printing Technology Laboratory I |
| 48.56700 | **Printing Technology Laboratory II |
| 48.56800 | **Printing Technology Laboratory III |

For Video Communications Program Area:

Broadcast/Video Production Career Pathway

| | |
|----------|-----------------------------------------|
| 10.51110 | *Broadcast/Video Production 1 |
| 10.51210 | *Broadcast/Video Production 2 |
| 10.51310 | *Broadcast/Video Production 3 |
| 10.51410 | Broadcast/Video Production Applications |
| 10.51510 | Broadcast/Video Production Lab |
| 10.51610 | Broadcast/Video Production Research |
| 10.51710 | Broadcast/Video Production Management |

Correlating WBL Placement Example

| | |
|----------|------------------------------------------------------------------|
| 10.71140 | Broadcasting WBL Placement**** ****See Page 6 for Explanation |
|----------|------------------------------------------------------------------|

Architecture, Construction, Communications and Transportation Trade and Industry Work-Based Learning School Site Courses

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| 47.49100 | **Diversified Cooperative Training I and DCT WBL Placement |
| 47.71140 | |
| 47.49200 | **Diversified Cooperative Training II and DCT WBL Placement |
| 47.71240 | |
| 47.49300 | **Diversified Cooperative Training III and DCT WBL Placement |
| 47.72140 | |
| 47.49400 | **Diversified Cooperative Training IV and DCT WBL Placement |
| 47.72240 | |
| **Students must take a DCT Work-based Learning Placement course in conjunction with the correlating instructional DCT class. For scheduling applications and eligibility requirements, refer to PICASSO's Work-based Programs Course Descriptions and New WBL Placement Numbering System Explanation. | |

GOVERNMENT/PROTECTIVE SERVICES CONCENTRATION PATHWAYS

JROTC PROGRAMS OF STUDY

1) Navy Career Pathway

| | |
|----------|------------------------------------------------------|
| 28.42100 | *JROTC Naval Science I Cadet Field Manual |
| 28.42200 | *JROTC Naval Science I Introduction to NJROTC |
| 28.42300 | *JROTC Naval Science II Maritime History |
| 28.42400 | JROTC Naval Science II Nautical Science |
| 28.42500 | JROTC Naval Science III Naval Knowledge |
| 28.42600 | JROTC Naval Science III Naval Orientation and Skills |
| 28.42700 | JROTC Naval Science IV Naval Leadership and Ethics |
| 28.42800 | JROTC Naval Science IV Effective Communications |

2) Army Career Pathway

| | |
|----------|------------------------------------|
| 28.43100 | *JROTC Army Leadership Education 1 |
| 28.43200 | *JROTC Army Leadership Education 2 |
| 28.43300 | *JROTC Army Leadership Education 3 |
| 28.43400 | JROTC Army Leadership Education 4 |
| 28.43500 | JROTC Army Leadership Education 5 |
| 28.43600 | JROTC Army Leadership Education 6 |
| 28.43700 | JROTC Army Leadership Education 7 |
| 28.43800 | JROTC Army Leadership Education 8 |

3) Air Force Career Pathway

| | |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 28.41100 | *Aerospace Science: A Journey into Aviation History and Leadership I (JROTC Air Force I) |
| 28.41200 | *Aerospace Science: Science of Flight and Leadership II (JROTC Air Force II) |
| 28.41300 | *Aerospace Science: Global and Cultural Studies I (JROTC Air Force III) |
| 28.41400 | Aerospace Science: Astronomy and/or Leadership III (JROTC Air Force IV) |
| 28.41500 | Aerospace Science: Exploration of Space and/or Leadership III (JROTC Air Force V) |
| 28.41600 | Aerospace Science: Management of the Cadet Corps and National Endowment for Financial Education (NEFE) and/or Leadership IV (JROTC Air Force VI) |
| 28.41700 | Aerospace Science: Aerospace Science: Global and Cultural Studies II (JROTC Air Force VII) |
| 28.41800 | Aerospace Science: Survival (JROTC Air Force VIII) |

| | |
|----------------------------------------|--------------------------------------|
| 21.46800 | Engineering Internship |
| 4) Electronics Career Pathway** | |
| 21.45200 | * <i>Foundations of Electronics</i> |
| 21.45300 | * <i>Advanced AC and DC Circuits</i> |
| 21.45400 | * <i>Digital Electronics</i> |
| 21.47800 | Electronics Internship |

****The Electronics Pathway's three required course numbers serve as the prerequisite to the Telecommunications career pathway's courses, found on the next page. Students must complete all three Electronics pathway courses before registering for Telecommunications' first course.**

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 5) Telecommunications Career Pathway ** | |
| 10.53100 | Fundamentals of Telecommunications |
| 10.53200 | Network Concepts |
| 10.53300 | Network Systems |
| Electronics and Telecommunications can be taught by either a teacher holding a Trade and Industry Electronics Certificate or a Mass Media Certificate. | |

ENGINEERING AND TECHNOLOGY CONCENTRATION PATHWAYS

1) Energy Systems Career Pathway

| | |
|-----------------|----------------------------------------------------------------|
| 21.42500 | *Foundations of Engineering & Tech. |
| 21.45100 | *<i>Energy and Power Technology</i> |
| 21.45700 | *<i>Appropriate and Alternative Energy Technologies</i> |
| 21.44800 | Energy Systems Internship |

2) Manufacturing/Production Career Pathway

| | |
|----------|---------------------------------------------------|
| 21.44100 | *Foundations of Manufacturing & Materials Science |
| 21.44500 | *Robotics and Automated Systems |
| 21.44400 | *Production Enterprises |
| 21.45800 | Manufacturing Internship |

3) Engineering Career Pathway

| | |
|----------|-------------------------------------|
| 21.42500 | *Foundations of Engineering & Tech. |
| 21.47100 | *Engineering Concepts |
| 21.47200 | * <i>Engineering Applications</i> |
| 21.46100 | Research, Design, & Project Mgmt. |

INTERVENTION PROGRAMS

Coordinated Career Academic Education**

****Formerly CVAE.**

This program currently is not offered in any CCSD high schools.

| | |
|----------|--------------------------------------------------|
| 32.41400 | Coordinated Career Academic Ed. I CCAIE I |
| 32.41500 | Coordinated Career Academic Ed. II CCAIE II |
| 32.41600 | Coordinated Career Academic Ed. III CCAIE III |

CCAIE is for students from special populations, as identified in the federal Carl D. Perkins legislation. These courses can only be taught by any academic subject-disciplined or career tech instructor, who also holds a CCAIE (CVAE) Add-On Endorsement.

Career Technical Instruction (CTI)** (formerly RVI—Related Vocational Instruction)

| | |
|----------|-------------------------------------------|
| 32.81100 | Career Technical Instruction I (CTI I) |
| 32.81200 | Career Technical Instruction II (CTI II) |

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| 32.81300 | Career Technical Instruction III (CTI III) |
| 32.81400 | Career Technical Instruction IV (CTI IV) |
| **CTI is currently available in all CCSD high schools. Must be coordinated by a Special Ed. teacher, who also has a CTI Coordinator Add-On Endorsement AND can only serve Special Education Students with Disabilities. | |

NOTE: Both the CCAE and the CTI courses do not count towards career pathway completion or CTAE electives credit.

| (Non-Career Tech) Mentorship*** | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <p>***This program is for a student serving as a school office's administrative assistant only —</p> <p>It is not to be used for the senior class community service learning project.</p> <p>It is not to be assigned to a Career Tech Teacher as the Teacher of Record.</p> <p>It is not a CTAE career pathway elective.</p> | |
| 70.01100 | Mentorship I |
| 70.01200 | Mentorship II |

| WORK-BASED LEARNING PROGRAMS | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| (Career Tech) Internship* | |
| <p>*For career exploration on-the-job experience-- Cannot be taken simultaneously with a program's specific Internship Work-based Course, a WBL Placement Course (see below), or the Mentorship course.</p> | |
| 70.42100 | Internship I |
| 70.42200 | Internship II |
| 70.42300 | Internship III |
| 70.42400 | Internship IV |

| Work-Based Learning (WBL) Placement**** (Also referred to as Youth Apprenticeship—YAP) | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>****For 11th and 12th grade students only, who are <u>committed</u> to continuing post-secondary preparation in a specific career/technical career field.</p> | |

- Use the GaDOE's two-digit Main Subject Number for the digits before the decimal of the program concentration in which the student is enrolled.
- Use a 7 for the first digit after the decimal.
- Use a 1 for the second digit after the decimal, if this is the first time the student is participating in WBL. Use a 2 for the second digit after the decimal, if he/she is participating for the second year in WBL.
- Use a 1 for the third digit after the decimal, if this is the fall semester. Use a 2 for the third digit after the decimal, if this is the spring semester.
- Use a 4 for the fourth digit after the decimal if the student will earn either a half unit or 1 unit for the WBL course. Use a 5 for the fourth digit after the decimal if the student will earn 1.5 units for the WBL course. Use a 6 for the fourth digit after the decimal if the student will earn 2 units for the WBL course.
- Use a 0 for the fifth digit after the decimal.
- Begin the title with **the Career Tech. Concentration Area**. Then conclude it with **WBL Placement**. (See examples at the bottom of Page 1 under the Marketing and the Education and Teaching Concentration's Teaching As A Profession career pathway.)
- **Conclude with the appropriate 96, 97, 98, or 99 suffix respectively, as described in PICASSO's High School Course Description Catalog under the Work-based Learning link.**

******Please refer to the Marketing Concentration and the Teaching As A Profession Career Pathway under the Education Concentration on Page 1 for examples.**

NOTES:

For Work-based Learning Programs

A STUDENT'S FINAL TRANSCRIPT MAY SHOW PARTICIPATION IN AND EARNED CREDIT FOR

BOTH AN INTERNSHIP AND ANOTHER WORK-BASED PLACEMENT COURSE TAKEN DURING DIFFERENT SEMESTERS.

“Cycle 1” day —ending it in 99 for Cycle Day 1 of that semester, and use the check box feature in SchoolMax to also mark it for Cycle Day 2.

STUDENTS CANNOT ENROLL IN TWO DIFFERENT PROGRAMS’ WORK-BASED LEARNING PLACEMENTS; OR, IN A WORK-BASED PROGRAM AND MINIMUM DAY OR MENTORSHIP, WITHIN THE SAME SEMESTER.

If the student leaves campus the last two periods daily to report to the job site in one semester,

--record the corresponding WBL Placement or Internship course number in the Block 4 period of the “Cycle 1” day —ending it in 99 for Cycle Day 1 of that semester, and use the check box feature in SchoolMax to also mark it for Cycle Day 2.

--record the SAME course number in the same manner for the Block 3 period, EXCEPT change the second digit after the decimal to a 2. **Example:** 20.72140 FACS WBL Placement for Block 4 and 20.71140 FACS WBL Placement for Block 3.

EXAMPLE: Do not enroll the student in a Program-specific Internship or WBL Placement course, AND in an Internship course, or in a Mentorship course.

Work-based Learning Scheduling Procedures:

FOR 4 X 4 BLOCK SCHEDULES,

the students earn one unit per period off campus for a work-based learning program.

Typically, student leaves last period daily, Record the corresponding WBL Placement or Internship course number in Block 4, ending it in 99.

FOR TRADITIONAL BELL SCHEDULES,

the students earn one-half unit per period off campus per semester for a work-based learning program.

Typically, the student leaves after Period 5. Record the corresponding WBL Placement or Internship course’s number in Period 6, ending it in 97; and record the same course number, ending it in 96 in Period 7.

FOR 4 X 8 ALTERNATING DAY BLOCK SCHEDULES,

the students earn one-half unit per 45-minute period off campus per semester for a work-based learning program.

If the student leaves campus every other day in both semesters of a school year to report to the job site,

--record the corresponding WBL Placement or Internship course number in the last period of the “Cycle 1” day (ending in 96 in the fall semester and ending in 97 in the spring semester), and record the alternate on-campus course number in the last period of the “Cycle 2” day.

If the student leaves campus daily the last period to report to the job site in one semester,

--record the corresponding WBL Placement or Internship course number in the last period of the

OTHER CLARIFICATIONS

HEALTHCARE SCIENCE PATHWAYS CLARIFICATION

The new Therapeutic Services – Physical Medicine Career Pathway is the replacement for the retired QCC-based Therapeutic Medicine (Sports Medicine) program. However, its standards address more than just the skill sets for the athletic training profession. Students interested in post-secondary pre-medicine college programs will benefit from this pathway’s curriculum.

BANKING AND INVESTING COURSE CREDIT CLARIFICATION

This new course earns 1 unit. It is a substitution for the retired ½ unit Banking course and the retired ½ unit Finance course. Please do not use the ending 98.

GRADUATION RULES REMINDER:

***Technical Seal Diploma Eligibility
For 2011 Graduating Classes:***

TO EARN A TECHNICAL SEAL, A STUDENT MUST COMPLETE FOUR UNITS OF CAREER TECH. ED.; THREE OF THESE CREDITS MUST BE IN THE SAME CONCENTRATION WITHIN ONE CAREER TECHNICAL EDUCATION PROGRAM OF STUDY. CAREER TECH. ED. COURSES CAN BE USED FOR FREE ELECTIVES.

*High School Diploma Eligibility
Regarding Career Tech Electives
For the 2012 Graduating Class and Forward:*

TO EARN A HIGH SCHOOL DIPLOMA, A STUDENT SHOULD BE ADVISED TO COMPLETE THE THREE UNITS OF A SPECIFIC CAREER TECH. ED. PATHWAY IN PREPARATION FOR THE POSTSECONDARY STUDIES IN WHICH HE/SHE WILL CONTINUE TO ACQUIRE AT A TECHNICAL COLLEGE'S CERTIFICATION/DEGREE OR FOUR-YEAR COLLEGE'S DEGREE IN THAT PARTICULAR CAREER PATHWAY'S CONCENTRATION.

ADDITIONAL CAREER TECH. ED. ELECTIVES COMPLETED MAY ALSO BE USED FOR FREE ELECTIVES.

To ensure that students can successfully earn the three units of a specific career pathway, the first course within any pathway can be taken during the freshman school year.
