



Kansas State Department of Education Career and Technical Education (CTE)



Summary of Pathway Changes for 2015-2016

All changes made to the Pathways for 2015-2016 are found in the 2015-2016 Career Cluster Guidance Handbook. Some changes may require remapping of a course or courses through KCCMS prior to the completion of the CPPSA due on 3-15-15.

Pathways not listed have NO changes for the 2015-16 school year.

Agriculture Science Pathway

- Reduced the number of course offerings and increased the number of required courses to four (4) for this pathway only. This pathway serves as a comprehensive look at the AFNR Cluster and therefore should cover a broad range of topics.

BioChemistry Pathway

- Chemistry (03101) added as an Introductory Level Course.
- Plant & Soil Science (18058) added as a Technical Level course that can be used in place of Soil Science (18055).
- BioEngineering (21020) added as an Application Level course that can be used in place of Biotechnical Engineering (21014).
- Workplace Experience (21048) added as an Application Level course.
- Particular Topics in Engineering (21015) added as an Application Level course.
- Environmental Res. & Wildlife Science code change from 18506 to 37506.

BioMedical Pathway

- BioEngineering (21020) added as an Application Level course that can be used in place of Biotechnical Engineering (21014).
- Workplace Experience (21048) added as an Application Level course.
- Health Care Sciences – Other (14999) added as an Application Level course.

Cartography/Geospatial/Spatial Mathematics Pathway

- Workplace Experience (21048) added as an Application Level course.
- GIS Technology code change from 21111 to 21058.

Computer Science Engineering

- This is a new pathway for the 2015-16 school year. See the full Handbook for details.

Construction & Design Pathway

- The Construction and Design & Pre-Construction Pathways have been combined into one pathway with strands. New pathway title is: Construction & Design Pathway.
- Approved pathways must contain a minimum of 3 Secondary Level credits within one strand, before adding courses from the other strand.
- Dropped the 3 Commercial Construction courses (17014, 17015, 38015). Embedded the competencies into the Carpentry I & II courses.
- Moved Skilled Mechanical Crafts (17062) to the Technical Level.
- Dropped the Refrigeration (17052) course and the HVAC & Plumbing Systems (17060) course.
- Added Refrigeration competencies into the new Sheet Metal & HVACR (38012) course and moved it to the Application Level.

- Moved Remodeling & Building Maintenance (17009) to the Application Level.
- Moved Sheet Metal (13205) to the Application Level.
- Changed the state titles of Cabinetmaking I (Woodworking Principles) and Cabinetmaking II (Furniture & Cabinetry Fabrication). Course Codes remain the same.
- Created a new application level course: Advanced Materials Technology. Woodworking Principles AND Furniture & Cabinetry Fabrication are prerequisites.
- Made Carpentry I a pre-requisite for: 38002, 17005, 13205, 17056, 17058, 17113, 17061, & 38012.
- Replaced the 21st Century Skills, Employability Skills, & Academic Skills competencies with the 12 CCTC Career Ready Practices & the A&C Cluster Standards. These are now located at the beginning of the Competency Profile and are to be included in all pathway courses in your pathway.
- Embedded some Employability Skills competencies into the Application Level courses.

Consumer Services Pathway

- Career & Comm. Conn. code change from 22250 to 45250.

Design & Pre-Construction Pathway

- Has been combined with the Construction Pathway. See the new "Construction & Design Pathway" for detailed information.

Engineering & Applied Mathematics Pathway

- BioEngineering (21020) has been added as an Application Level course that can be used in place of Biotechnical Engineering (21014).
- Workplace Experience (21048) added as an Application Level course.

Family & Consumer Services Pathway

- Career & Comm. Conn. code change from 22250 to 45250.

Finance Pathway

- Introductory Level – No changes
- Technical Level – Courses Added
 - Consumer & Personal Finance (22210 or 22220) (Required)
 - Business Law (12054) (Supportive/Optional)
 - Entrepreneurship (12053) (Supportive/Optional)
- Application Level - Strand and courses added
 - Accounting strand:
 - AP Accounting (TBD) – New course
 - Securities & Investment strand (New):
 - Risk Mngmnt. and Insurance (12106) – New course
 - Finance-Workplace Experience (12148) – New course (Supportive/Optional)
 - Adv. Accounting code change from 12108 to 33108

Government & Public Administration Pathway

- Career & Comm. Conn. code change from 22250 to 45250.

Health Science Cluster/ Pathway

- Health Science 1 A (14000) added to the Introductory Level.
- Health Science I B (14001) has replaced Health Science I in the Introductory Level.
- Biology (03051/53051) added to the Introductory Level.
- Nutrition & Wellness A&B (08057/0867) added to the Technical Level.
- AP Biology (03056) added to the Technical Level, but does not count as part of the 3 total credit.



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- Health Information (TBD) added to the Technical Level.
- Physical Therapy (TBD) added to the Technical Level.
- Medical Interventions (14105) added to the Technical Level.
- Prin. Of Biomedical Science (14251) added to the Technical Level.
- Pharmacology (14253) added to the Technical Level.
- Medical Imaging A&B (TBD) added to the Technical Level.
- Health & Nursing I (TBD) added to the Technical Level.
- First AID/CPR/EMR (44050) added to the Technical Level.
- EMT (44060) added to the Technical Level.
- Pharmacy Assistant A (14152) removed from the Technical Level.
- Biomedical Innovation (14255) added to the Application Level.
- Biotechnology II (TBD) to the Application Level.
- Home Health Aid (36053) replaces Home Health Care B and has been added to the Application Level.
- Phlebotomy Technician (TBD) added to the Application Level.
- Certified Nursing Assistant (TBD) added to the Application Level.
- Health Science VII (36994) removed from the Application Level.
- Health Science VII (36995) removed from the Application Level.
- Certified Medication Aid (TBD) added to the Application Level.
- Physical Therapy Assistant (TBD) added to the Application Level.
- Health & Nursing II (TBD) added to the Application Level.
- Pharmacy Technician (36152) replaced Pharmacy Assistant B and been added to the Application Level.
- Project Management & Resource Scheduling (21205) has been added to the Application Level.
- Four strands have been created to guide students in their class choices at the Technical level; General, Sports Care & Rehab, Medical and Health Care.

Information Support & Services Pathway

The state title of course code 10255 changed to: CISCO-Network Infrastructure Essentials.

Maintenance Pathway

- The following changes are a result of the changes made to the Construction & Design Pathway:
- Moved Remodeling & Building Maintenance (17009) to the Application Level.
- Moved Sheet Metal (13205) to the Application Level.

Marketing Pathway

- Marketing Communication code change from 12168 to 35168

Natural Resources & Environmental Systems Pathway

- Environmental Res. & Wildlife Science code change from 18506 to 37506.

Network Systems Pathway

- The state title of course code 10255 has been changed to: CISCO-Network Infrastructure Essentials.

Plant Systems Pathway

- The number of courses in this pathway reduced to better reflect the plant systems industry.

Power, Structural & Technical Systems Pathway

- The number of courses in this pathway reduced to better reflect industry needs. Welding 3 and Welding 4 have been dropped as well as Ag Metals and Ag Plastics.

Restaurant & Event Management Pathway

- Career & Comm. Conn. code change from 22250 to 45250.

Teaching & Training Pathway

- The Teaching and Training pathway was changed to better reflect the skill development across K-12 and community based teaching.
- Human Growth and Development (45004 or 45014) is a requirement for approval in addition to Teaching as A Career (19151).
- Teaching Internship—Workplace (19198) has been removed.
- Intro to Human Services (19001) added at the introduction level.
- A new course Teaching Observation (Code--TBD) has been developed and added at the technical level.
- Family Studies (22208 or 22218) added at the technical level.
- Teaching as a Career (19151) and Teaching Internship (19152) have new competencies.
- Career Ready Practice competencies were identified and are required to be covered in all pathway specific courses (19151, 19152 and Teaching Observation—Code TBD) accessed through a link on the pathway design sheet.
- Orientation to Early Childhood Development (19051) is no longer listed on the design sheet, but is an alternative to the 45004/45014 and 22208/22218 combo with prior approval.

Travel & Tourism Pathway

- Career & Comm. Conn. code change from 22250 to 45250.

Visual Arts Pathway

- Career & Comm. Conn. code change from 22250 to 45250.

For general information:

KSDE Career, Standards, and Assessment Services Team
900 SW Jackson, Ste. 653, Topeka, KS 66612
pathwayshelpdesk@ksde.org
785-296-4908

Mr. Jay Scott – Asst. Director of CTE
900 SW Jackson, Ste. 653, Topeka, KS 66612
jscott@ksde.org
785-296-3951