

Prior to the Cluster Review

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Recommendations Following Cluster Review

**Pathway Recommendations Summary****:**

No Recommend Changes [CTE Course Competencies and Indicators (ksde.org)](https://www.ksde.org/Agency/Division-of-Learning-Services/Career-Standards-and-Assessment-Services/CSAS-Home/Career-Technical-Education-CTE/CTE-Course-Competencies-and-Indicators)

* Courses with No Changes
  + 21108 Production Blueprint Reading
  + 21013 Aerospace Engineering

Courses Reviewed with Recommended Changes

* Courses being removed from the pathway.
  + 03101 Chemistry
* Courses with updated competencies and benchmarks
  + 41310 Introduction to Engineering
  + 21006 Engineering Design
  + 21107 Drafting/CAD
  + 21009 Robotics I
  + 21201 Foundations of Electronics
  + 41320 Principles of Applied Engineering
  + 21007 Engineering Design and Development
  + 21008 Digital Electronics
  + 21010 Computer Integrated Manufacturing
  + 21012 Civil Engineering and Architecture
  + 21015 Particular Topics in Engineering
  + 21053 Emerging Technologies
  + 41350 Project Management
  + 41355 Materials Science and Engineering
  + 21048 Workplace Experience
  + 41048 Workplace Experience in Engineering