

Demonstration of Competency

Programs of Study By Content Area

Students who successfully complete a program of study that demonstrates competency in two content areas may use the program of study as a competency-based alternative in both content areas should the student need to demonstrate competency in both. **Program of Study Required Coursework Option** outlines the course names, codes, and sequences for each program of study.

The links below offer additional information about organizations offering programming in alignment with the career clusters and programs of study.

[GenYES](#)

[NCCER](#) (National Center for Construction Education & Research)

[Oracle Academy](#)

[SREB](#) (Southern Region Education Board)

[Project Lead the Way](#)

[ProStart](#)

Content Area	Program of Study
Mathematics	Finance/Accounting Clean Energy Technology - Advanced Career SREB Programming & Cybersecurity - PLTW Computer Technology Assistant - GenYES Carpentry - NCCER Database Design & Programming - Oracle Academy Java Programming - Oracle Aerospace Engineering - Advanced Careers SREB
Reading	Animal Systems Multimedia Production Plant & Biotechnology Systems Global Logistics & Supply Chain Management - Advanced Career SREB Teacher Education
Writing	Multimedia Production Law
Science	Animal Systems Clean Energy Technology - Advanced Career SREB Programming & Cybersecurity - PLTW Plant & Biotechnology Systems Transportation/Auto Computer Technology Assistant - GenYES Database Design & Programming - Oracle Academy Manufacturing - Welding Engineering - PLTW

Content Area	Program of Study
Science	Biomedical Sciences - PLTW Java Programming - Oracle Health Informatics - Advanced Careers SREB Innovations in Science & Technology - Advanced Careers SREB Aerospace Engineering - Advanced Careers SREB
Social Studies	Emergency & Fire Management Services Foreign Services Business Management Restaurants & Food/Beverage Services Teacher Education