Demonstration of Competency
Programs of Study Required Coursework Option

For each program of study below, students must complete **THREE courses in sequence with a GPA of at least 3.0** in order for a program of study to be used as a demonstration of competency. Courses are listed below in their appropriate sequence.

Content Area	Program of Study	Course Code	Course Name
Mathematics	Finance/Accounting	0207	Accounting
		0210	Advanced Accounting
		0212	Cost Accounting
		0299 **or** 2060	Dual Credit in Finance/Accounting **or** AP Statistics
Science	Animal Systems	0133	Intro to the Science of Agriculture
		0161	Science of Large Agriculture Animals
Reading		0162	Science of Small Animals
		0199	Dual Credit in Animal Systems
Writing	Multimedia Production	1905	Introduction to Multimedia Writing & Technology
		1906	Multimedia Productions I
		1907	Multimedia Productions II
Reading		1904 **or** 1999	Multimedia Productions III **or** Dual Credit in Multimedia Communications
Mathematics	Clean Energy Technology – Advanced Career SREB	1678	Advanced Career - Clean Energy Systems
		1679	Advanced Career - Clean Energy Applications
Science		1680	Advanced Career - Clean Energy Strategies
		1681	Advanced Career - Clean Energy Innovations
Mathematics	Programming & Cybersecurity - PLTW	0344	PLTW Computer Science Essentials
		0345	AP PLTW Computer Science Principles
Science		0346	AP PLTW Computer Science A
		0347	PLTW Cybersecurity
Social Studies	Emergency & Fire Management Services	2503	Community Protection
		2523	Fire Fighting
		1517	Emergency Medical Technician
		2599	Dual Credit in Emergency & Fire Management Services
Science	Plant & Biotechnology Systems	0133	Intro to the Science of Agriculture
		0141 **or** 0143	Horticulture/Botany **or** Greenhouse/Nursery Operations
Reading		0144 **or** 145	Landscape **or** Floriculture
		0199	Dual Credit in Plant & Biotechnology Systems
Science	Transportation/Auto	0912	Auto Technologies
		0920	Auto Tech 2
		0921	Auto Tech 3
		0999	Dual Credit in Transportation/Auto

Content Area	Program of Study	Course Code	Course Name
Social Studies	Foreign Services	2752	Contemporary World Issues
		2504	Public Administration
		0294 **or** 0295	AP Microeconomics **or** AP Macroeconomics
		0299	Dual Credit in Foreign Services
Social Studies	Business Management	0221	Introductory Business
		0223	Business Management
		0294 **or** 0295	AP Microeconomics **or** AP Macroeconomics
		0299	Dual Credit in Business Management
Mathematics	Computer Technology Assistant - GenYES	0320	Computer Technology Assistant I - GenYES
		0321	Computer Technology Assistant II - GenYES
Science		0322	Computer Technology Assistant III - GenYES
		0336	AP Computer Science Principles
Writing	Law	2761	Law Studies
		2762	Consumer Law
		2763	Business Law
		2765 **or** 2773	Mock Trial **or** AP Psychology
Reading	Global Logistics & Supply Chain Management – Advanced Career SREB	0925	Advanced Career- Introduction to Logistics
		0926	Advanced Career- Functional Areas in Logistics
		0927	Advanced Career- Global Logistics Management
		0928	Advanced Career- Logistics & Supply Chain Management
Mathematics	Carpentry - NCCER	0480	NCCER Core Curriculum-Intro
		0481	NCCER Carpentry Level 1
		0482	NCCER Carpentry Level 2
		0483	NCCER Carpentry Level 3
Mathematics	Database Design & Programming – Oracle Academy	0314	Database Foundations – Oracle Academy
		0330	Database Design & Programming – Oracle Academy
Science		0331	Database Programming with SQL – Oracle Academy
		0399	Dual Credit in Computer & Information Technology

Content Area	Program of Study	Course Code	Course Name
Mathematics	Database Design & Programming – Oracle Academy	0314	Database Foundations – Oracle Academy
		0330	Database Design & Programming – Oracle Academy
Science		0331	Database Programming with SQL – Oracle Academy
		0399	Dual Credit in Computer & Information Technology
Science	Manufacturing - Welding	2414	Welding
		2416	Welding 2
		2417	Welding 3
		2499	Dual Credit in Manufacturing - Welding
Science	Engineering - PLTW	1615	PLTW Intro to Engineering Design
		1617	PLTW Principles of Engineering
		1616 **or** 1739	PLTW Digital Electronics **or** AP Physics 1
		1620 **or** 1740	PLTW Capstone-Engineering Design/Development **or** AP Physics 2
Science	Biomedical Sciences - PLTW	1660	PLTW Principles of Biomedical Sciences
		1661	PLTW Human Body Systems
		1662	PLTW Medical Intervention
		1664	PLTW Biomedical Innovation
Social Studies	Restaurants & Food/Beverage Services	0504	Nutrition
		0532	ProStart I
		0533	ProStart II
		0539 **or** 0599	ProStart Internship **or** Dual Credit in Restaurants & Food/Beverage Services
Mathematics	Java Programming - Oracle	0323	Computer Science/Programming
		0324	Programming
Science		0325 **or** 0326	Advanced Programming **or** Computer Programming-Other Lang
		0327 **or** 0336	AP Computer Science A **or** AP Computer Science Principles
Science	Health Informatics-Advanced Careers SREB	1560	Advanced Career-Health Informatics Data & Use
		1561	Advanced Career-Health Informatics Transforming Data into Information
		1562	Advanced Career-Health Informatics Transforming Info into Knowledge
		1563	Advanced Career-Health Informatics Problems & Solutions

Content Area	Program of Study	Course Code	Course Name
Science	Innovations in Science & Technology – Advanced Careers SREB	1670	Advanced Career-Nature of Science & Technology
		1671	Advanced Career-Core Applications of Science/Technology
		1672	Advanced Career-Impacts of Science & Technology
		1673	Advanced Career-Creativity & Innovations
Mathematics	Aerospace Engineering – Advanced Careers SREB	1674	Advanced Career-Fundamentals Aerospace Tech
		1675	Advanced Career-Advanced Aerospace Technology
Science		1676	Advanced Career-Aeronautics Engineering Apps
		1677	Advanced Career-Astronautics Engineering Apps
Social Studies	Teacher Education	0550	Child Development
		0562	Teacher Academy 1
Reading		0563	Teacher Academy 2
		0597 **or** 0599	Teaching & Practicum **or** Dual Credit Teacher Education