

## CTE Substitutions for Mathematics and Science Courses

Pursuant to section 1003.4282, Florida Statutes (FS) students may substitute industry certifications for which there is a statewide articulation agreement (Gold Standard). Substitutions may occur for up to two (2) Mathematics credits (Excluding Algebra and Geometry) AND One (1) Science credit (Excluding Biology). Each qualifying industry certification equates to One (1) credit. Distinct certifications may only be used for substitution credit once. To substitute three credits (two math and one science) the student would have to earn three distinct qualifying industry certifications.

**Science Substitutions**

Each of the certifications below can be substituted for One Science course (excluding Biology). Maximum of **One** course substitution

**Mathematics Substitutions**

Each of the certifications below can be substituted for One Mathematics course (excluding Algebra and Geometry) Maximum of **Two** course substitutions.

Certification Title	Certification Code Number
Air Conditioning Service Technician	NATEX001
ASE Auto/Lt Truck Technician: Automatic Transmission (A2)	NIASE005
ASE Auto/Lt Truck Technician: Brakes (A5)	NIASE007
ASE Auto/Lt Truck Technician: Electrical/Electronic Systems (A6)	NIASE008
ASE Auto/Lt Truck Technician: Heating and Air Conditioning (A7)	NIASE011
ASE Auto/Lt Truck Technician: Engine Performance (A8)	NIASE009
Biotechnician Assistant	CERHB001
Certified Dental Assistant	DANBD001
Certified Horticultural Professional	FNGLA001
Certified Medical Assistant	AMAMA001
Certified Pharmacy Technician	PTCBD001
Emergency Medical Technician	NREMT001
Food Service Management Professional	NRAEF001
National Pro-Start Certificate of Achievement	NRAEF002
NCCER Electrical Level 1 *	NCCER010
NCCER Electrical Level 2 *	NCCER038
NCCER HVAC Level 1	NCCER018
Registered Phlebotomy Technician	AMEDT005
ServSafe- Certified Professional Food Service Manager	NRAEF003
Electronics System Associate (ESA)	ISCET002
<b>Industry Certification Science Waiver Number</b>	<b>2000999</b>

Certification Title	Certification Code Number
Certified Apprentice Drafter	AMDDA002
ASE Auto/Lt Truck Technician: Engine Repair (A1)	NIASE010
ASE Auto/Lt Truck Technician: Manual Drive Train and Axles (A3)	NIASE012
ASE Auto/Lt Truck Technician: Steering and Suspension (A4)	NIASE014
Autodesk Certified User - AutoCAD	ADESK002
Autodesk Certified Associate - AutoCAD Architecture	ADESK017
Autodesk Certified Associate - AutoCAD Civil 3D	ADESK018
Autodesk Certified Associate - Revit Architecture	ADESK020
Autodesk Certified Professional - Inventor	ADESK024
Certified Bookkeeper	AIOPB001
Certified Internet Web - Application Developer	PROSO005
Cisco Certified Internetwork Expert Routing and Switching (CCIE Routing & Switching)	CISCO018
Cisco Certified Network Associate Security	CISCO011
Cisco Certified Network Associate (CCNA)	CISCO004
CompTIA A+	COMPT001
CompTIA Network +	COMPT006
CompTIA Security +	COMPT008
CompTIA Server +	COMPT009
MSSC Certified Production Technician	MSSCN001
NCCER Carpentry Level 1	NCCER005
NCCER Construction Technology	NCCER008
NCCER Electrical Level 1 *	NCCER010
NCCER Electrical Level 2 *	NCCER038
Oracle Certified Associate	ORACL001
Quick Books Certified User	INTUT001
Autodesk Certified User - Autodesk Inventor	ADESK011
Autodesk Certified Professional - AutoCAD	ADESK021
Autodesk Certified Professional - AutoCAD Civil 3D	ADESK023
Autodesk Certified Professional - Inventor	ADESK024
Autodesk Certified Professional - Revit Architecture	ADESK025
FAA Private Pilot	FEDAA011
MTA-Database Administration Fundamentals	MICRO070
Microsoft Technology Associate (MTA) - HTML5 Application Developer Fundamentals	MICRO080
MCSA-SQL Server 2012	MICRO082
MSSC Certified Production Technician (CPT)	MSSCN001
CIW Database Design Specialist	PROSO006
Certified Internet Web (CIW) JavaScript Specialist	PROSO017
<b>Industry Certification Mathematics Waiver 1</b>	<b>1200998</b>
<b>Industry Certification Mathematics Waiver 2</b>	<b>1200999</b>

Any one of the courses listed below are Equally Rigorous (EQ) and can be substituted for a science credit - Excluding Biology

8106810 - Agriscience Foundations
3027010 - Biotechnology 1 (.5 Sc and .5 Voc)
3027020 - Biotechnology 2 (.5 Sc and .5 Voc)
8708110 - Principles of Biomedical Sciences
8708120 - Human Body Systems
8708130 - Medical Interventions
8600580 - Aerospace Technology 1
8600680 - Aerospace Technology 2
8601780 - Aerospace Technology 3