

| CTE STEM Program and Courses | | Integrated Core | Applicable Industry Certification |
|------------------------------|--|-----------------|---|
| 1. | <ul style="list-style-type: none"> • Plant Biotechnology 8106510 8106810 Agriscience Foundations 1 8106850 Agricultural Biotechnology 2 8106510 Plant Biotechnology 3 | Biology | Certified Horticulture Professional * Additional certification in Plant Biotechnology is currently under development and will be available for implementation |
| 2. | <ul style="list-style-type: none"> • Animal Biotechnology 8106100 8106810 Agriscience Foundations 1 8106850 Agricultural Biotechnology 2 8106120 Animal Biotechnology 3 | Biology | Applicable industry certification is currently under development by industry and will be available for implementation |
| 3. | <ul style="list-style-type: none"> • Environmental Resources 8113000 8106810 Agriscience Foundations 1 8106850 Agricultural Biotechnology 2 8113010 Environmental Resources 3 8113020 Environmental Resources 4 | Biology | Applicable industry certification is currently under development by industry and will be available for implementation |
| 4. | <ul style="list-style-type: none"> • Industrial Biotechnology 8736000 3027010 Biotechnology 1 3027020 Biotechnology 2 8736030 Biotechnology 3 | Biology | Currently being developed by BioFlorida and the Florida Banner Center for Biotechnology and will be available for implementation |
| 5. | <ul style="list-style-type: none"> • Aerospace Technologies 8600080 8600580 Aerospace Technologies I 8600680 Aerospace Technologies II 8601780 Aerospace Technologies III | Geometry | Autodesk Certified Associate – Inventor (ADESK024), Autodesk Certified Associate – AutoCAD (ADESK021), FAA Ground School (FEDAA013), FAA Private Pilot (FEDAA011) |
| 6. | <ul style="list-style-type: none"> • Power and Energy Technology 8601300 8601310 Power & Energy Technology I 8601320 Power & Energy Technology II 8601330 Power & Energy Technology III | Geometry | Autodesk Certified Associate – Inventor (ADESK024) |
| 7. | <ul style="list-style-type: none"> • Pathways to Engineering (PLTW) 9400300 – Aerospace Engineering 8600520 Principles of Engineering 8600550 Introduction to Engineering Design 8600530 Digital Electronics 8600620 Aerospace Engineering | Algebra | Autodesk Certified Associate – Inventor (ADESK024) |

| | | | |
|-----|--|------------------|---|
| 8. | <ul style="list-style-type: none"> • Pathways to Engineering (PLTW) 9400300 - Biotechnical Engineering 8600550 Introduction to Engineering Design 8600520 Principles of Engineering 8600530 Digital Electronics 8600630 Biotechnical Engineering | Biology, Algebra | Autodesk Certified Associate – Inventor (ADESK024) |
| 9. | <ul style="list-style-type: none"> • Pathways to Engineering (PLTW) 9400300 – Computer Integrated Manufacturing (CIM) 8600550 Introduction to Engineering Design 8600520 Principles of Engineering 8600530 Digital Electronics 8600560 Computer Integrated Manufacturing | Algebra | Autodesk Certified Associate – Inventor (ADESK024) MSSC Certified Production Technician (MSSCN001) |
| 10. | <ul style="list-style-type: none"> • Pathways to Engineering (PLTW) 9400300 - Civil Engineering and Architecture 8600520 Principles of Engineering 8600550 Introduction to Engineering Design 8600530 Digital Electronics 8600590 Civil Engineering and Architecture | Algebra | Autodesk Certified Associate – AutoCAD (ADESK016) Autodesk Certified Associate – AutoCAD Civil 3D (ADESK018) Autodesk Certified Associate – AutoCAD Inventor (ADESK019) Autodesk Certified Associate – AutoCAD Revit Architecture (ADESK020) |
| 11. | <ul style="list-style-type: none"> • Drafting 872500 8725010 Drafting I 8725020 Drafting 2 8725030 Drafting 3 8725040 Drafting 4 | Geometry | ADDA Drafter Certification (AMDDA001) Autodesk Certified Associate - AutoCAD (ADESK016) Autodesk Certified Professional - AutoCAD Architecture (ADESK022) Autodesk Certified Professional - Revit Architecture (ADESK025) |
| 12. | <ul style="list-style-type: none"> • Architectural Drafting 8725400 8725010 Drafting I 8725020 Drafting 2 8725030 Drafting 3 8725040 Drafting 4 8725450 Architectural Drafting 5 | Geometry | ADDA Drafter Certification (AMDDA001) Autodesk Certified Associate - AutoCAD (ADESK016) Autodesk Certified Professional - AutoCAD Architecture (ADESK022) Autodesk Certified Professional - Revit Architecture (ADESK025) |
| 13. | <ul style="list-style-type: none"> • Mechanical Drafting 8725300 8725010 Drafting I 8725020 Drafting 2 8725030 Drafting 3 8725040 Drafting 4 8725310 Mechanical Drafting 5 | Geometry | ADDA Drafter Certification (AMDDA001) Autodesk Certified Associate - AutoCAD (ADESK016) Autodesk Certified Professional - AutoCAD Architecture (ADESK022) Autodesk Certified Professional - Revit Architecture (ADESK025) |

| | | | |
|-----|--|----------|--|
| 14. | <ul style="list-style-type: none"> • Structural Drafting 8725500 8725010 Drafting I 8725020 Drafting 2 8725030 Drafting 3 8725040 Drafting 4 8725550 Structural Drafting 5 | Geometry | ADDA Drafter Certification (AMDDA001) Autodesk Certified Associate - AutoCAD (ADESK016) Autodesk Certified Professional - AutoCAD Architecture (ADESK022) Autodesk Certified Professional - Revit Architecture (ADESK025) |
| 15. | <ul style="list-style-type: none"> • Electronic Drafting 8725100 8725010 Drafting I 8725020 Drafting 2 8725030 Drafting 3 8725040 Drafting 4 8725110 Electronic Drafting 5 | Geometry | ADDA Drafter Certification (AMDDA001) Autodesk Certified Associate - AutoCAD (ADESK016) Autodesk Certified Professional - AutoCAD Architecture (ADESK022) Autodesk Certified Professional - Revit Architecture (ADESK025) |
| 16. | <ul style="list-style-type: none"> • Electrical Drafting 8725200 8725010 Drafting I 8725020 Drafting 2 8725030 Drafting 3 8725040 Drafting 4 8725210 Electrical Drafting 5 | Geometry | ADDA Drafter Certification (AMDDA001) Autodesk Certified Associate - AutoCAD (ADESK016) Autodesk Certified Professional - AutoCAD Architecture (ADESK022) Autodesk Certified Professional - Revit Architecture (ADESK025) |
| 17. | <ul style="list-style-type: none"> • Engineering Technology 8607000 8600570 Engineering Technology I 8600670 Engineering Technology II 8601770 Engineering Technology III | Algebra | Autodesk Certified Associate - AutoCAD (ADESK016) Autodesk Certified Associate - AutoCAD Civil 3D (ADESK018) Autodesk Certified Associate - Inventor (ADESK019) Autodesk Certified Associate - Revit Architecture (ADESK020) Autodesk Certified Professional - AutoCAD (ADESK021) Autodesk Certified Professional - Inventor (ADESK024) Certified LabVIEW Associate Developer (CLAD) (NINSC001) Certified Solidworks Associate (CSWA) (SOLID001) Certified Solidworks Professional (CSWP) (SOLID002) Mastercam Certified Programmer Mill Level I (CNCSI001) |

| | | | |
|-----|---|----------|---|
| 18. | <ul style="list-style-type: none"> • Drafting/Illustrative Design Technology 8600800 8600810 Drafting/Illustrative Design Technology I 8600820 Drafting/Illustrative Design Technology II 8600830 Drafting/Illustrative Design Technology III | Geometry | ADD A Drafter Certification (AMDDA001) Autodesk Certified Associate - AutoCAD (ADESK016) Autodesk Certified Associate - AutoCAD Architecture (ADESK017) Autodesk Certified Associate - AutoCAD Civil 3D (ADESK018) Autodesk Certified Professional - AutoCAD Architecture (ADESK022) Autodesk Certified Professional - Revit Architecture (ADESK025) Certified Solidworks Associate (CSWA) (SOLID001) Certified Solidworks Professional (CSWP) (SOLID002) Chief Architect User Certification (CARCH001) |
| 19. | <ul style="list-style-type: none"> • Building Construction Technology 8720300 8720310 Building Construction Technology 1 8720320 Building Construction Technology 2 8720330 Building Construction Technology 3 8720340 Building Construction Technology 4 | Geometry | National Center for Construction Education & Research (NCCER) NCCER Construction Technology NCCER008 NCCER Project Management NCCER027 |
| 20. | <ul style="list-style-type: none"> • Biomedical Science (PLTW) 8708100 8708110 Principles of the Biomedical Sciences 8708120 Human Body Systems 8708130 Biomedical Interventions 8708140 Biomedical Science Research | Biology | Certified LabVIEW Associate Developer (CLAD) |
| 21. | <ul style="list-style-type: none"> • Agricultural Biotechnology 8106600 8106810 Agriscience Foundations 1 8106850 Agricultural Biotechnology 2 8106860 Agricultural Biotechnology 3 | Biology | Applicable industry certification is currently under development by industry and will be available for implementation |
| 22. | <ul style="list-style-type: none"> • Automation and Production Technology 9200100 9200110 Automation and Production Technology 1 9200120 Automation and Production Technology 2 9200130 Automation and Production Technology 3 9200140 Automation and Production Technology 4 | Geometry | Certified Production Technician(Manufacturing Skills Standards Council – MSSC) |