



## **TSIC REMINDERS**

### **YOUR STATUS WILL DROP IF ANY OF THE FOLLOWING OCCUR:**

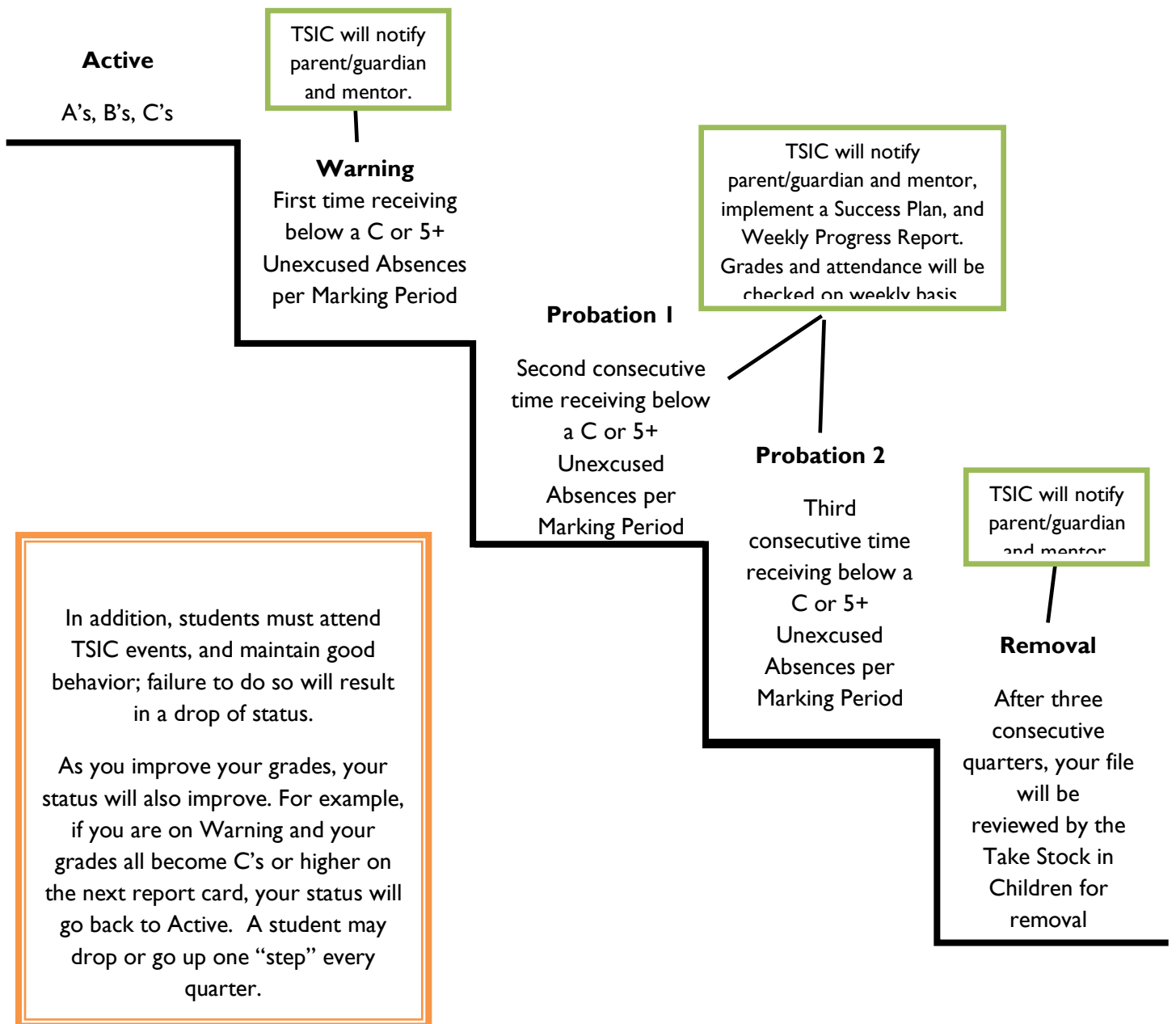
- If you receive a D or F on your quarter grades
- If you have 5 or more unexcused absences in a quarter
- If you receive more than 1 in school suspension in a quarter
- If you receive any out of school suspensions in a quarter
- If you are not meeting your required number of individual mentor sessions and required group mentor sessions
- If you fail to attend any of the MANDATORY TSIC workshops during the school year

### **OTHER IMPORTANT REMINDERS**

- YOU ARE RESPONSIBLE FOR LETTING TSIC KNOW OF ANY CHANGES IN CONTACT INFORMATION (FOR YOU AND YOUR PARENTS) SUCH AS PHONE NUMBERS, EMAIL ADDRESSES, HOME ADDRESSES AND SCHOOL YOU ARE ATTENDING- IF THERE ARE ANY CHANGES PLEASE CONTACT TSIC IMMEDIATELY.
- FAILURE TO REMAIN CRIME AND DRUG FREE WILL RESULT IN AUTOMATIC REMOVAL FROM THE TSIC PROGRAM



## Status Grid



## 2021-22 CAPE Industry Certification Funding List - DRAFT

Note: The Florida Department of Education is conducting a competitive procurement process to identify additional Digital Tool Certificates for inclusion on the 2021-22 CAPE Industry Certification Funding List. When this process is complete, this list will be updated to include any additional Digital Tool Certificates, and the list will go to the State Board of Education for approval.

DOE Code	Certification/Credential Title	Issuing Organization/Provider	New to List	Primary Career Cluster <sup>1</sup>	Farm Occupation	Primary Standard Occupational Classification (SOC) Code <sup>2</sup>	Type (CAPE Industry Certification, CAPE Acceleration Industry Certification, CAPE Digital Tool Certificate)	Certification Version, if applicable	Differentiated Waiver of Certification Requirements <sup>3</sup>	Weight
ABAYC003	Marine Electrical Certification	American Boat & Yacht Council		Transportation, Distribution & Logistics		49-2093	CAPE Industry Certification			0.2
ACFED006	Certified Fundamentals Cook	American Culinary Federation		Hospitality & Tourism		35-2014	CAPE Industry Certification			0.1
ACSM002	Certified Personal Trainer	American College of Sports Medicine		Human Services		39-9031	CAPE Industry Certification			0.1
ADESK002	Autodesk Certified User - AutoCAD	Autodesk		Architecture & Construction		17-3011	CAPE Industry Certification	AutoCAD 2019 or later		0.2
ADESK008	Autodesk Certified User - Revit Architecture	Autodesk		Architecture & Construction		17-3011	CAPE Industry Certification	Revit Architecture 2019 or later		0.2
ADESK011	Autodesk Certified User - Inventor	Autodesk		Engineering and Technology Education		17-3011	CAPE Industry Certification	Inventor 2019 or later		0.2
ADESK021	Autodesk Certified Professional - AutoCAD	Autodesk		Architecture & Construction		17-3011	CAPE Industry Certification	AutoCAD 2019 or later		0.2
ADESK023	Autodesk Certified Professional - AutoCAD Civil 3D	Autodesk		Architecture & Construction		17-3011	CAPE Industry Certification	AutoCAD 2019 Civil 3D or later		0.2
ADESK024	Autodesk Certified Professional - Inventor	Autodesk		Engineering and Technology Education		17-3011	CAPE Industry Certification	Inventor 2019 or later		0.2
ADESK025	Autodesk Certified Professional - Revit Architecture	Autodesk		Architecture & Construction		17-3011	CAPE Industry Certification	Revit Architecture 2019 or later		0.2
ADESK029	Autodesk Certified Professional - 3ds Max	Autodesk		Architecture & Construction		17-3011	CAPE Industry Certification	3ds Max 2019 or later		0.1
ADESK030	Autodesk Certified User - Maya	Autodesk		Information Technology		17-3011	CAPE Industry Certification	Maya 2019 or later		0.2
ADESK031	Autodesk Certified User - 3ds Max	Autodesk		Architecture & Construction		17-3011	CAPE Industry Certification	3ds Max 2019 or later		0.1
ADESK032	Autodesk Certified User - Fusion 360	Autodesk		Manufacturing		17-3013	CAPE Industry Certification			0.2
ADESK033	Autodesk Certified Associate in CAD for Mechanical Design	Autodesk	Yes	Manufacturing		17-3013	CAPE Industry Certification			0.1
ADESK034	Autodesk Certified Associate in CAM 2.5 Axis Milling for Machinists	Autodesk	Yes	Manufacturing		51-4035	CAPE Industry Certification			0.1
ADOBE023	Adobe Certified Professional in Video Design (Requires Premiere Pro and After Effects or Photoshop)	Adobe Systems		Arts, A/V Technology & Communication		27-4032	CAPE Industry Certification	CC 2018 or later		0.2
ADOBE024	Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign)	Adobe Systems		Arts, A/V Technology & Communication		27-1014	CAPE Industry Certification	CC 2018 or later		0.2
ADOBE025	Adobe Certified Professional in Web Design (Requires Dreamweaver and Animate or Photoshop)	Adobe Systems		Information Technology		15-1255 (15-1134)	CAPE Industry Certification	CC 2018 or later		0.2
AMAMA001	Certified Medical Assistant (CMA)	American Association of Medical Assistants		Health Science		31-9092	CAPE Industry Certification			0.2
AMDDA002	Certified Apprentice Drafter - Architectural	American Design Drafting Association		Architecture & Construction		17-3011	CAPE Industry Certification			0.2
AMDDA003	Certified Drafter - Architectural	American Design Drafting Association		Architecture & Construction		17-3011	CAPE Industry Certification			0.1
AMDDA004	Certified Drafter - Mechanical	American Design Drafting Association		Architecture & Construction		17-3013	CAPE Industry Certification			0.1
AMDDA005	Certified Apprentice Drafter - Mechanical	American Design Drafting Association		Architecture & Construction		17-3013	CAPE Industry Certification			0.1
AMEDT004	Registered Medical Assistant (RMA)	American Medical Technologists (AMT)		Health Science		31-9092	CAPE Industry Certification			0.1
AMEDT005	Registered Phlebotomy Technician (RPT)	American Medical Technologists (AMT)		Health Science		31-9097	CAPE Industry Certification			0.2
AMMSA001	Food Safety and Science Certification	American Meat Science Association		Agriculture, Food and Natural Resources	Yes	51-3021	CAPE Industry Certification			0.1
AMSPT002	Certified Phlebotomy Technician	American Society of Phlebotomy Technicians		Health Science		31-9097	CAPE Industry Certification			0.2
APPLE021	Apple App Development with Swift Certification Level 1	Apple, Inc.		Information Technology		15-1132	CAPE Industry Certification			0.2
AWELD003	AWS Certified Welder - FCAW Plate	American Welding Society		Manufacturing		51-4121	CAPE Industry Certification			0.1
AWELD004	AWS Certified Welder - GMAW Plate	American Welding Society		Manufacturing		51-4121	CAPE Industry Certification			0.1
AWELD011	AWS Certified Welder - SMAW Pipe	American Welding Society		Manufacturing		51-4121	CAPE Industry Certification			0.1
AWELD012	AWS Certified Welder - SMAW Plate	American Welding Society		Manufacturing		51-4121	CAPE Industry Certification			0.1
CARCH002	Chief Architect Certified Apprentice	Chief Architect, Inc.		Architecture & Construction		17-3011	CAPE Industry Certification			0.2
CERHB001	Biotechnician Assistant	Center for Excellence for Regenerative Health Biotechnology at University of Florida		Manufacturing		19-4021	CAPE Industry Certification			0.2
CISCO026	Cisco Certified Network Associate (CCNA)	Cisco Systems, Inc.		Information Technology		15-1231 (15-1152)	CAPE Industry Certification			0.2

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Note: The Florida Department of Education is conducting a competitive procurement process to identify additional Digital Tool Certificates for inclusion on the 2021-22 CAPE Industry Certification Funding List. When this process is complete, this list will be updated to include any additional Digital Tool Certificates, and the list will go to the State Board of Education for approval.

DOE Code	Certification/Credential Title	Issuing Organization/Provider	New to List	Primary Career Cluster <sup>1</sup>	Farm Occupation	Primary Standard Occupational Classification (SOC) Code <sup>2</sup>	Type (CAPE Industry Certification, CAPE Acceleration Industry Certification, CAPE Digital Tool Certificate)	Certification Version, if applicable	Differentiated Waiver of Certification Requirements <sup>3</sup>	Weight
COMPT001	CompTIA A+	Computing Technology Industry Association (CompTIA)		Information Technology		15-1232 (15-1151)	CAPE Industry Certification			0.2
COMPT005	CompTIA Linux+	Computing Technology Industry Association (CompTIA)		Information Technology		15-1244 (15-1142)	CAPE Industry Certification			0.2
COMPT006	CompTIA Network+	Computing Technology Industry Association (CompTIA)		Information Technology		15-1244 (15-1142)	CAPE Industry Certification			0.2
COMPT007	CompTIA Project+	Computing Technology Industry Association (CompTIA)		Information Technology		13-1082	CAPE Industry Certification			0.2
COMPT008	CompTIA Security+	Computing Technology Industry Association (CompTIA)		Information Technology		15-1212 (15-1122)	CAPE Industry Certification			0.2
COMPT009	CompTIA Server+	Computing Technology Industry Association (CompTIA)		Information Technology		15-1231 (15-1152)	CAPE Industry Certification			0.2
COMPT016	CompTIA Cybersecurity Analyst (CySA+)	Computing Technology Industry Association (CompTIA)		Information Technology		15-1212 (15-1122)	CAPE Industry Certification			0.1
COMPT018	CompTIA IT Fundamentals+	Computing Technology Industry Association (CompTIA)		Information Technology		15-1151	CAPE Industry Certification			0.2
COMPT020	CompTIA Cloud Essentials+	Computing Technology Industry Association (CompTIA)	Yes	Information Technology		13-1111	CAPE Industry Certification			0.1
CPREC001	Child Development Associate (CDA)	Council for Professional Recognition		Education & Training		25-2011	CAPE Industry Certification			0.2
DUCKS001	Ecology Conservation and Management Certification	Ducks Unlimited		Agriculture, Food and Natural Resources	Yes	19-4071 (19-4093)	CAPE Industry Certification			0.1
ELANC001	Fundamentals of Animal Science Certification	Elanco	Yes	Agriculture, Food and Natural Resources	Yes	45-2093	CAPE Industry Certification			0.1
ESRIC001	ArcGIS Desktop Entry	ESRI		Information Technology		17-1021	CAPE Industry Certification	ArcGIS 10.3 or later		0.2
ETAIN006	Avionics Electronics Technician	Electronics Technician Association International		Transportation, Distribution & Logistics		49-2093	CAPE Industry Certification			0.1
ETAIN008	Associate Certified Electronics Technician (CETa)	Electronics Technician Association International		Transportation, Distribution & Logistics		49-2094	CAPE Industry Certification			0.2
FDMQA002	Certified Nursing Assistant (CNA)	Florida Department of Health		Health Science		31-1131 (31-1014)	CAPE Industry Certification			0.1
FDMQA030	911 Public Safety Telecommunicator	Florida Department of Health		Law, Public Safety & Security		43-5031	CAPE Industry Certification			0.2
FEDAA002	FAA Aviation Maintenance Technician - General	Federal Aviation Administration		Transportation, Distribution & Logistics		49-3011	CAPE Industry Certification			0.1
FEDAA011	FAA Private Pilot	Federal Aviation Administration		Transportation, Distribution & Logistics		53-2012	CAPE Industry Certification			0.2
FEDAA013	FAA Ground School	Federal Aviation Administration		Transportation, Distribution & Logistics		53-2022	CAPE Industry Certification			0.2
FEDAA015	FAA Ground Instructor - Basic	Federal Aviation Administration		Transportation, Distribution & Logistics		25-1194	CAPE Industry Certification			0.1
FLADA001	Florida Automobile Dealers Association (FADA) Certified Technician	Florida Automobile Dealers Association		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification			0.1
FLAQA001	Aquaculture Technician	Florida Aquaculture Association		Agriculture, Food and Natural Resources	Yes	11-9013	CAPE Industry Certification			0.1
FLDEP003	Wastewater Treatment Plant Operator Level C	Florida Department of Environmental Protection		Agriculture, Food and Natural Resources		51-8031	CAPE Industry Certification		Waiver of work experience requirement	0.1
FLDEP006	Water Treatment Plant Operator Level C	Florida Department of Environmental Protection		Agriculture, Food and Natural Resources		51-8031	CAPE Industry Certification		Waiver of work experience requirement	0.1
FLDEP007	Water Treatment Plant Operator Level D	Florida Department of Environmental Protection	Yes	Agriculture, Food and Natural Resources		51-8031	CAPE Industry Certification			0.1
FLDEP008	Wastewater Treatment Plant Operator Level D	Florida Department of Environmental Protection	Yes	Agriculture, Food and Natural Resources		51-8031	CAPE Industry Certification			0.1
FLENG001	Engineering Core certification	Florida Engineering Society		Engineering and Technology Education		17-3023	CAPE Industry Certification			0.1
FLFBR001	AgriTechnology Specialist Certification	Agricultural Education Services and Technology Inc.		Agriculture, Food and Natural Resources	Yes	19-4011	CAPE Industry Certification			0.2
FLFBR002	Agricultural Biotechnology Specialist Certification	Agricultural Education Services and Technology Inc.		Agriculture, Food and Natural Resources	Yes	19-4011	CAPE Industry Certification			0.1
FLFBR003	Agricultural Communications Specialist Certification	Agricultural Education Services and Technology Inc.		Agriculture, Food and Natural Resources	Yes	27-3099	CAPE Industry Certification			0.1
FLFBR004	Agricultural Mechanics Specialist Certification	Agricultural Education Services and Technology Inc.		Agriculture, Food and Natural Resources	Yes	49-3041	CAPE Industry Certification			0.1
FLFBR005	Animal Science Specialist Certification	Agricultural Education Services and Technology Inc.		Agriculture, Food and Natural Resources	Yes	45-2093	CAPE Industry Certification			0.2
FLFBR006	Agricultural Unmanned Aircraft Systems Specialist Certification	Agricultural Education Services and Technology Inc.		Agriculture, Food and Natural Resources	Yes	19-4099	CAPE Industry Certification			0.1
FLFBR007	Agriculture Associate Certification	Agricultural Education Services and Technology Inc.		Agriculture, Food and Natural Resources	Yes	45-2093	CAPE Industry Certification			0.2

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FLFBR008	Forestry Specialist Certification	Agricultural Education Services and Technology Inc.		Agriculture, Food and Natural Resources	Yes	19-4093	CAPE Industry Certification			0.1
FLFBR009	Agriculture Systems Associate Certification	Agricultural Education Services and Technology Inc.		Agriculture, Food and Natural Resources	Yes	45-2093	CAPE Industry Certification			0.1
FLFBR010	Natural Resources Specialist Certification	Agricultural Education Services and Technology Inc.		Agriculture, Food and Natural Resources	Yes	19-4091	CAPE Industry Certification			0.1
FLSFM005	Fire Fighter I	Florida Department of Financial Services, State Fire Marshal, Bureau of Fire Standards & Training		Law, Public Safety & Security		33-2011	CAPE Industry Certification			0.1
FLVMA002	Certified Veterinary Assistant (CVA)	Florida Veterinary Medical Association		Agriculture, Food and Natural Resources		31-9096	CAPE Industry Certification			0.2
FNGLA001	Certified Horticulture Professional	Florida Nursery Growers and Landscape Association		Agriculture, Food and Natural Resources	Yes	45-2092	CAPE Industry Certification			0.2
FNGLA003	Certified Landscape Maintenance Technician	Florida Nursery Growers and Landscape Association		Agriculture, Food and Natural Resources	Yes	37-301	CAPE Industry Certification			0.2
FNGLA004	Certified Landscape Technician	Florida Nursery Growers and Landscape Association		Agriculture, Food and Natural Resources	Yes	37-3011	CAPE Industry Certification			0.2
GRBCI002	LEED Green Associate	Green Building Certification Institute		Architecture & Construction		17-1011	CAPE Industry Certification			0.2
HBINS002	Pre-Apprenticeship Certificate Training (PACT), Building Construction Technology	Home Builders Institute		Architecture & Construction		49-9071	CAPE Industry Certification			0.1
HBINS003	HBI Pre-Apprenticeship Certificate Training (PACT), Carpentry	Home Builders Institute		Architecture & Construction		47-3012	CAPE Industry Certification			0.1
HBINS004	HBI Pre-Apprenticeship Certificate Training (PACT), Core	Home Builders Institute		Architecture & Construction		47-2061	CAPE Industry Certification			0.1
HBINS005	HBI Pre-Apprenticeship Certificate Training (PACT), Core Green	Home Builders Institute		Architecture & Construction		47-2061	CAPE Industry Certification			0.1
HBINS006	HBI Pre-Apprenticeship Certificate Training (PACT), Electrical	Home Builders Institute		Architecture & Construction		47-3013	CAPE Industry Certification			0.1
HVACE001	HVAC Excellence Employment Ready - Heat Pump	HVAC Excellence		Architecture & Construction		49-9021	CAPE Industry Certification			0.2
HVACE002	HVAC Excellence EmploymentReady - Air Conditioning	HVAC Excellence		Architecture & Construction		49-9021	CAPE Industry Certification			0.2
HVACE011	HVAC Excellence Employment Ready - Electrical	HVAC Excellence		Architecture & Construction		49-2092	CAPE Industry Certification			0.2
ICOEC005	EC-Council Cyber Forensics Associate	EC-Council		Information Technology		15-1122	CAPE Industry Certification			0.2
ICOEC006	EC-Council Ethical Hacker Associate	EC-Council		Information Technology		15-1122	CAPE Industry Certification			0.2
INTUT001	Quickbooks Certified User	Intuit		Business Management and Administration		43-3031	CAPE Industry Certification			0.2
INTUT002	Entrepreneurship & Small Business	Intuit	Yes	Marketing, Sales & Service		11-1021	CAPE Industry Certification			0.1
INTUT003	Master Entrepreneurship Certification	Intuit	Yes	Marketing, Sales & Service		11-1021	CAPE Industry Certification			0.1
KNOWL001	Python Coding Specialist	Knowledge Pillars LLC	Yes	Information Technology		15-1251	CAPE Industry Certification			0.1
KNOWL002	WordPress Certified Editor	Knowledge Pillars LLC	Yes	Information Technology		15-1254	CAPE Industry Certification			0.1
LINPI001	Linux Essentials 010	Linux Professional Institute		Information Technology		15-1151	CAPE Industry Certification			0.2
MICRO017	Microsoft Office Specialist: Microsoft Office 2016 Master Specialist (Requires Word Expert, Excel Expert, PowerPoint, and Access or Outlook)	Microsoft Corporation		Information Technology		15-1232	CAPE Industry Certification	Office 2016		0.2
MICRO070	Microsoft Technology Associate (MTA) - Database Administration Fundamentals	Microsoft Corporation		Information Technology		15-1242 (15-1141)	CAPE Industry Certification			0.2
MICRO074	Microsoft Technology Associate (MTA) - Software Development Fundamentals	Microsoft Corporation		Information Technology		15-1252 (15-1132)	CAPE Industry Certification			0.1
MICRO076	Microsoft Technology Associate (MTA) - Windows OS Fundamentals	Microsoft Corporation		Information Technology		15-1232 (15-1151)	CAPE Industry Certification			0.1
MICRO077	Microsoft Technology Associate (MTA) - Security Fundamentals	Microsoft Corporation		Information Technology		15-1212 (15-1122)	CAPE Industry Certification			0.1
MICRO078	Microsoft Technology Associate (MTA) - Networking Fundamentals	Microsoft Corporation		Information Technology		15-1231 (15-1152)	CAPE Industry Certification			0.1
MICRO080	Microsoft Technology Associate (MTA) - HTML5 Application Developer Fundamentals	Microsoft Corporation		Information Technology		15-1254 & 15-1255 (15-1134)	CAPE Industry Certification			0.2
MICRO102	Microsoft Technology Associate (MTA) - Mobility and Devices Fundamentals	Microsoft Corporation		Information Technology		15-1244 (15-1142)	CAPE Industry Certification			0.2
MICRO104	Microsoft Technology Associate (MTA) - Introduction to Programming Using JavaScript	Microsoft Corporation		Information Technology		15-1251 (15-1131)	CAPE Industry Certification			0.2
MICRO105	Microsoft Technology Associate (MTA) - Introduction to Programming Using HTML and CSS	Microsoft Corporation		Information Technology		15-1254 & 15-1255 (15-1134)	CAPE Industry Certification			0.1
MICRO112	Microsoft Technology Associate (MTA) - Introduction to Programming Using Python	Microsoft Corporation		Information Technology		15-1132	CAPE Industry Certification			0.2

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MICRO114	Microsoft Technology Associate (MTA) - Introduction to Programming Using Java	Microsoft Corporation		Information Technology		15-1132	CAPE Industry Certification			0.2
MICRO115	Microsoft Technology Associate (MTA) - Windows Server Administration Fundamentals	Microsoft Corporation		Information Technology		15-1142	CAPE Industry Certification			0.2
MICRO123	Microsoft 365 Certified: Fundamentals	Microsoft Corporation	Yes	Information Technology		15-2051	CAPE Industry Certification			0.1
MICRO124	Microsoft Certified: Azure AI Fundamentals	Microsoft Corporation	Yes	Information Technology		15-1251	CAPE Industry Certification			0.1
MICRO125	Microsoft Certified: Azure Data Fundamentals	Microsoft Corporation	Yes	Information Technology		15-2051	CAPE Industry Certification			0.1
MICRO126	Microsoft Certified: Azure Fundamentals	Microsoft Corporation	Yes	Information Technology		15-1232	CAPE Industry Certification			0.1
MICRO128	Microsoft Certified: Power Platform Fundamentals	Microsoft Corporation	Yes	Information Technology		15-2051	CAPE Industry Certification			0.1
MSSCN002	MSSC Certified Logistics Technician (CLT)	Manufacturing Skills Standards Council (MSSC)		Transportation, Distribution & Logistics		43-5071	CAPE Industry Certification			0.1
NASME001	NASM Certified Personal Trainer (CPT)	National Academy of Sports Medicine		Human Services		39-9031	CAPE Industry Certification			0.1
NATEX001	Air Conditioning Service Technician	North American Technician Excellence		Architecture & Construction		49-9021	CAPE Industry Certification			0.2
NATEX002	Air Conditioning Installation Specialization	North American Technician Excellence		Architecture & Construction		49-9021	CAPE Industry Certification			0.2
NATEX003	Air to Air Heat Pump Installation Technician	North American Technician Excellence		Architecture & Construction		49-9021	CAPE Industry Certification			0.2
NATHA002	Certified EKG Technician (CET)	National Healthcareer Association		Health Science		29-2031	CAPE Industry Certification			0.1
NATHA003	Certified Medical Administrative Assistant (CMAA)	National Healthcareer Association		Health Science		43-6013	CAPE Industry Certification			0.1
NATHA006	Certified Patient Care Technician (CPCT)	National Healthcareer Association		Health Science		31-1120 & 31-1122 (31-1011)	CAPE Industry Certification			0.1
NATHA007	Certified Phlebotomy Technician (CPT)	National Healthcareer Association		Health Science		31-9097	CAPE Industry Certification			0.2
NATHA009	Certified Clinical Medical Assistant (CCMA)	National Healthcareer Association		Health Science		31-9092	CAPE Industry Certification			0.1
NATHA010	Certified Pharmacy Technician (CPhT)	National Healthcareer Association		Health Science		29-2052	CAPE Industry Certification			0.2
NATHA011	Certified Electronic Health Record Specialist (CEHRS)	National Healthcareer Association		Health Science		29-2072 (29-2071)	CAPE Industry Certification			0.1
NCATT001	Aircraft Electronics Technician (AET)	National Center for Aerospace and Transportation Technologies (NCATT)		Transportation, Distribution & Logistics		49-2091	CAPE Industry Certification			0.1
NCATT003	Aerospace / Aircraft Assembly (AAA)	National Center for Aerospace and Transportation Technologies (NCATT)		Transportation, Distribution & Logistics		51-2011	CAPE Industry Certification			0.2
NCCER005	NCCER Carpentry - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2031	CAPE Industry Certification			0.1
NCCER008	NCCER Construction Technology (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2061	CAPE Industry Certification			0.2
NCCER010	NCCER Electrical - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2111	CAPE Industry Certification			0.1
NCCER018	NCCER HVAC - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		49-9021	CAPE Industry Certification			0.2
NCCER025	NCCER Masonry - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2021	CAPE Industry Certification			0.1
NCCER026	NCCER Plumbing - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2152	CAPE Industry Certification			0.1
NCCER032	NCCER Carpentry - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2031	CAPE Industry Certification			0.1
NCCER033	NCCER Carpentry - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2031	CAPE Industry Certification			0.1
NCCER034	NCCER Carpentry - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2031	CAPE Industry Certification			0.1
NCCER036	NCCER Concrete Finishing - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2051	CAPE Industry Certification			0.1
NCCER038	NCCER Electrical - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2111	CAPE Industry Certification			0.1
NCCER039	NCCER Electrical - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2111	CAPE Industry Certification			0.1
NCCER040	NCCER Electrical - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2111	CAPE Industry Certification			0.1
NCCER044	NCCER Masonry - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2021	CAPE Industry Certification			0.1
NCCER045	NCCER Masonry - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2021	CAPE Industry Certification			0.1
NCCER061	NCCER Welding- Level 1	NCCER	Yes	Manufacturing		47-2211	CAPE Industry Certification			0.1
NCCER062	NCCER Welding - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		Manufacturing		51-4121	CAPE Industry Certification			0.1
NCCER069	NCCER Plumbing - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2152	CAPE Industry Certification			0.1

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NCCER070	NCCER Plumbing - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2152	CAPE Industry Certification			0.1
NCCER071	NCCER Plumbing - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		47-2152	CAPE Industry Certification			0.1
NCCER081	NCCER HVAC - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		49-9021	CAPE Industry Certification			0.1
NCCER082	NCCER HVAC - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		49-9021	CAPE Industry Certification			0.1
NCCER083	NCCER HVAC - Level 4 (Secondary)	National Center for Construction Education & Research (NCCER)		Architecture & Construction		49-9021	CAPE Industry Certification			0.1
NCCER084	NCCER Industrial Maintenance Mechanic - Level 1 (Secondary)	National Center for Construction Education & Research (NCCER)		Manufacturing		49-9041	CAPE Industry Certification			0.1
NCCER085	NCCER Industrial Maintenance Mechanic - Level 2 (Secondary)	National Center for Construction Education & Research (NCCER)		Manufacturing		49-9041	CAPE Industry Certification			0.1
NCCER086	NCCER Industrial Maintenance Mechanic - Level 3 (Secondary)	National Center for Construction Education & Research (NCCER)		Manufacturing		49-9041	CAPE Industry Certification			0.1
NCFCT001	National Certified ECG Technician (NCET)	National Center for Competency Testing (NCCT)		Health Science		29-2031	CAPE Industry Certification			0.1
NCFCT003	National Certified Phlebotomy Technician	National Center for Competency Testing (NCCT)		Health Science		31-9097	CAPE Industry Certification			0.1
NCFCT005	Medical Assistant	National Center for Competency Testing (NCCT)	Yes	Health Science		29-1071	CAPE Industry Certification			0.1
NCFCT007	National Certified Medical Office Assistant (NCOMA)	National Center for Competency Testing (NCCT)		Business Management and Administration		43-6013	CAPE Industry Certification			0.2
NCFCT008	National Certified Patient Care Technician (NCPCT)	National Center for Competency Testing (NCCT)		Health Science		31-1011	CAPE Industry Certification			0.1
NCSBN002	National Licensed Practical Nurse (NCLEX-PN)	National Council of State Boards of Nursing		Health Science		29-2061	CAPE Industry Certification			0.2
NIASE005	ASE Automobile/Light Truck Technician: Automatic Transmission/Transaxle (A2)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification		Waiver of work experience requirement	0.2
NIASE007	ASE Automobile/Light Truck Technician: Brakes (A5)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification		Waiver of work experience requirement	0.2
NIASE008	ASE Automobile/Light Truck Technician: Electrical/Electronic Systems (A6)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification		Waiver of work experience requirement	0.2
NIASE009	ASE Automobile/Light Truck Technician: Engine Performance (A8)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification		Waiver of work experience requirement	0.2
NIASE010	ASE Automobile/Light Truck Technician: Engine Repair (A1)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification		Waiver of work experience requirement	0.2
NIASE011	ASE Automobile/Light Truck Technician: Heating and Air Conditioning (A7)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification		Waiver of work experience requirement	0.2
NIASE012	ASE Automobile/Light Truck Technician: Manual Drive Train and Axles (A3)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification		Waiver of work experience requirement	0.2
NIASE014	ASE Automobile/Light Truck Technician: Suspension and Steering (A4)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification		Waiver of work experience requirement	0.2
NIASE016	ASE Medium/Heavy Truck Technician: Brakes (T4)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification		Waiver of work experience requirement	0.1
NIASE017	ASE Collision Repair and Refinishing Technician: Mechanical and Electrical Components (B5)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3021	CAPE Industry Certification		Waiver of work experience requirement	0.1
NIASE020	ASE Medium/Heavy Truck Technician: Diesel Engines (T2)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification		Waiver of work experience requirement	0.1
NIASE021	ASE Medium/Heavy Truck Technician: Drive Train (T3)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification		Waiver of work experience requirement	0.1
NIASE023	ASE Medium/Heavy Truck Technician: Electrical/Electronic Systems (T6)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification		Waiver of work experience requirement	0.1
NIASE026	ASE Medium/Heavy Truck Technician: Heating, Ventilation, and A/C (HVAC) (T7)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification		Waiver of work experience requirement	0.1
NIASE029	ASE Collision Repair and Refinishing Technician: Painting and Refinishing (B2)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3021	CAPE Industry Certification		Waiver of work experience requirement	0.1
NIASE031	ASE Medium/Heavy Truck Technician: Preventive Maintenance Inspection (PMI) (T8)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification		Waiver of work experience requirement	0.1
NIASE033	ASE Medium/Heavy Truck Technician: Suspension and Steering (T5)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification		Waiver of work experience requirement	0.1
NIASE076	ASE Auto Maintenance and Light Repair (G1)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification			0.2
NIASE077	ASE Entry-level - Auto: Automatic Transmission/Transaxle (AT)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification			0.1
NIASE078	ASE Entry-level - Auto: Automobile Service Technology (AS)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification			0.1
NIASE079	ASE Entry-level - Auto: Brakes (BR)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification			0.1
NIASE080	ASE Entry-level - Auto: Electrical/Electronic Systems (EE)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification			0.1

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DOE Code	Certification/Credential Title	Issuing Organization/Provider	New to List	Primary Career Cluster <sup>1</sup>	Farm Occupation	Primary Standard Occupational Classification (SOC) Code <sup>2</sup>	Type (CAPE Industry Certification, CAPE Acceleration Industry Certification, CAPE Digital Tool Certificate)	Certification Version, if applicable	Differentiated Waiver of Certification Requirements <sup>3</sup>	Weight
NIASE081	ASE Entry-level - Auto: Engine Performance (EP)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification			0.1
NIASE082	ASE Entry-level - Auto: Engine Repair (ER)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification			0.1
NIASE083	ASE Entry-level - Auto: Heating and Air Conditioning (AC)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification			0.1
NIASE084	ASE Entry-level - Auto: Manual Drive Train and Axles (MD)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification			0.1
NIASE085	ASE Entry-level - Auto: Suspension and Steering (SS)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3023	CAPE Industry Certification			0.1
NIASE086	ASE Entry-level - Collision: Mechanical and Electrical (ME)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3021	CAPE Industry Certification			0.1
NIASE087	ASE Entry-level - Collision: Non-structural Analysis and Damage Repair (NS)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3021	CAPE Industry Certification			0.1
NIASE088	ASE Entry-level - Collision: Painting and Refinishing (PR)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3021	CAPE Industry Certification			0.1
NIASE089	ASE Entry-level - Collision: Structural Analysis and Damage Repair (SR)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3021	CAPE Industry Certification			0.1
NIASE090	ASE Entry-level - Truck: Brakes (TB)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification			0.1
NIASE091	ASE Entry-level - Truck: Diesel Engines (DE)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification			0.1
NIASE092	ASE Entry-level - Truck: Electrical/Electronic Systems (TE)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification			0.1
NIASE093	ASE Entry-level - Truck: Steering & Suspension (TS)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification			0.1
NIASE094	ASE Entry-level - Truck: Inspection, Maintenance, and Minor Repair (IM)	National Institute for Automotive Service Excellence		Transportation, Distribution & Logistics		49-3031	CAPE Industry Certification			0.1
NIFMS001	NIMS Machining Level I - CNC Milling: Programming Setup & Operations	National Institute for Metalworking Skills (NIMS)		Manufacturing		51-9162 (51-4012)	CAPE Industry Certification			0.2
NIFMS002	NIMS Machining Level I - CNC Turning: Programming Setup & Operations	National Institute for Metalworking Skills (NIMS)		Manufacturing		51-9162 (51-4012)	CAPE Industry Certification			0.2
NIFMS008	NIMS Machining Level I - Turning Operations: Turning Between Centers	National Institute for Metalworking Skills (NIMS)		Manufacturing		51-4034	CAPE Industry Certification			0.2
NIFMS010	NIMS Machining Level I - Turning Operations: Turning Chucking Skills	National Institute for Metalworking Skills (NIMS)		Manufacturing		51-4034	CAPE Industry Certification			0.2
NIFMS013	NIMS Machining Level I - Drill Press Skills I	National Institute for Metalworking Skills (NIMS)		Manufacturing		51-4032	CAPE Industry Certification			0.2
NIFMS014	NIMS Machining Level I - CNC Milling: Operations	National Institute for Metalworking Skills (NIMS)		Manufacturing		51-4035	CAPE Industry Certification			0.1
NIFMS016	NIMS Machining Level I - Grinding Skills I	National Institute for Metalworking Skills (NIMS)		Manufacturing		51-4033	CAPE Industry Certification			0.1
NIFMS017	NIMS Machining Level I - Manual Milling Skills I	National Institute for Metalworking Skills (NIMS)		Manufacturing		51-4035	CAPE Industry Certification			0.1
NIFMS019	NIMS Machining Level II - CNC Milling Skills II	National Institute for Metalworking Skills (NIMS)		Manufacturing		51-4035	CAPE Industry Certification			0.1
NRAEF003	Certified Food Protection Manager (ServSafe®)	National Restaurant Association Educational Foundation		Hospitality & Tourism		35-2014	CAPE Industry Certification			0.2
NREMT001	Emergency Medical Technician (EMT)	National Registry of Emergency Medical Technicians		Health Science		29-2042 (29-2041)	CAPE Industry Certification			0.2
NREMT003	Emergency Medical Responder	National Registry of Emergency Medical Technicians	Yes	Health Science		29-2042	CAPE Industry Certification			0.1
NREMT003	Emergency Medical Responder (EMR)	National Registry of Emergency Medical Technicians	Yes	Health Science			CAPE Industry Certification			0.1
NRFSP001	Certified Food Safety Manager	National Registry of Food Safety Professionals		Hospitality & Tourism		35-2014	CAPE Industry Certification			0.2
NRFSP002	HACCP Certification	National Registry of Food Safety Professionals		Hospitality & Tourism		19-4013	CAPE Industry Certification			0.2
OEDGP001	PCAP – Certified Associate in Python Programming	OpenEDG Python Institute	Yes	Information Technology		15-1251	CAPE Industry Certification			0.1
ORACL004	Oracle Certified Associate (OCA): Java Programmer	Oracle Corporation		Information Technology		15-1251 (15-1131)	CAPE Industry Certification			0.2
ORACL005	Oracle Certified Professional (OCP): Java Programmer	Oracle Corporation		Information Technology		15-1242 (15-1141)	CAPE Industry Certification			0.1
PRMIN004	PMI Project Management Ready	Project Management Institute (PMI)	Yes	Business Management and Administration		13-1082	CAPE Industry Certification			0.1
PROSO003	Certified Internet Web (CIW) E-Commerce Specialist	Certification Partners		Information Technology		15-1254 (15-1134)	CAPE Industry Certification			0.2
PROSO006	Certified Internet Web (CIW) Database Design Specialist	Certification Partners		Information Technology		15-1243 (15-1199)	CAPE Industry Certification			0.2
PROSO017	Certified Internet Web (CIW) JavaScript Specialist	Certification Partners		Information Technology		15-1251 (15-1131)	CAPE Industry Certification	Version 2.0 or later		0.2



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PROSO021	Certified Internet Web (CIW) Web Design Professional	Certification Partners		Information Technology		15-1131	CAPE Industry Certification			0.1
PROSO022	Certified Internet Web (CIW) Web Design Specialist	Certification Partners		Information Technology		15-1254 (15-1134)	CAPE Industry Certification			0.2
PROSO023	Certified Internet Web (CIW) Web Development Professional	Certification Partners		Information Technology		15-1131	CAPE Industry Certification			0.1
PROSO024	Certified Internet Web (CIW) Web Foundations Associate	Certification Partners		Information Technology		15-1254 (15-1134)	CAPE Industry Certification			0.1
PROSO025	Certified Internet Web (CIW) Web Security Associate	Certification Partners		Information Technology		15-1212 (15-1199)	CAPE Industry Certification			0.1
PROSO027	Certified Internet Web (CIW) Advanced HTML5 & CSS3 Specialist	Certification Partners		Information Technology		15-1254 (15-1134)	CAPE Industry Certification			0.2
PROSO030	Certified Internet Web (CIW) Data Analyst Specialist	Certification Partners		Information Technology		15-2031	CAPE Industry Certification			0.2
PROSO031	Certified Internet Web (CIW) Social Media Strategist	Certification Partners		Marketing, Sales & Service		27-3031	CAPE Industry Certification			0.1
PROSO032	Certified Internet Web (CIW) User Interface Designer	Certification Partners		Information Technology		15-1254 (15-1134)	CAPE Industry Certification			0.1
PTCBD001	Pharmacy Technician	Pharmacy Technician Certification Board		Health Science		29-2052	CAPE Industry Certification			0.2
RECFN001	RECF Pre-Engineering Certification	Robotics Education and Competition Foundation		Engineering and Technology Education		17-3011	CAPE Industry Certification			0.1
RECFN002	RECF Robotics Certification	Robotics Education and Competition Foundation		Engineering and Technology Education		17-3024	CAPE Industry Certification			0.1
SALES001	Salesforce Certified Administrator	Salesforce		Marketing, Sales & Service		15-1142	CAPE Industry Certification			0.2
SOCTE004	Broadband Premises Installer (BPI)	Society of Cable Telecommunications Engineers		Arts, A/V Technology & Communication		49-2022	CAPE Industry Certification			0.1
SOLID003	Certified Solidworks Associate-Academic (CSWA-Academic)	Dassault Systems Solidworks Corporation		Engineering and Technology Education		17-3011	CAPE Industry Certification			0.2
SOLID004	Certified Solidworks Professional - Academic (CSWP-Academic)	Dassault Systems Solidworks Corporation		Engineering and Technology Education		17-3011	CAPE Industry Certification			0.2
TAFLP001	Accredited Legal Professional (ALP)	NALS...the Association for Legal Professionals		Business Management and Administration		23-2011	CAPE Industry Certification			0.2
TBOOM001	Toon Boom Certified Associate (Harmony Premium)	Toon Boom Animation		Arts, A/V Technology & Communication		27-1014	CAPE Industry Certification	Harmony Premium 12.2 or later		0.1
TBOOM003	Toon Boom Certified Associate (Storyboard Pro)	Toon Boom Animation		Arts, A/V Technology & Communication		27-1014	CAPE Industry Certification	Storyboard Pro 4.2 or later		0.1
TBOOM004	Toon Boom Certified Associate (Harmony Advanced)	Toon Boom Animation		Arts, A/V Technology & Communication		27-1014	CAPE Industry Certification			0.1
UNITY001	Unity Certified Associate	Unity Technologies		Information Technology		15-1299 (15-1199)	CAPE Industry Certification			0.2
UNITY002	Unity Certified User: Programmer	Unity Technologies		Information Technology		15-1251 (15-1131)	CAPE Industry Certification			0.2
UNITY003	Unity Certified User: Artist	Unity Technologies	Yes	Information Technology		27-1014	CAPE Industry Certification			0.1
UNITY004	Unity Certified User: VR Developer	Unity Technologies	Yes	Information Technology		15-1251	CAPE Industry Certification			0.1
USINS001	Small UAS (sUAS) Safety Certification: Level 1	Unmanned Safety Institute		Transportation, Distribution & Logistics		No corresponding SOC code yet for Drone operator.	CAPE Industry Certification			0.2
USINS002	Visual Line of Sight System Operator (VSO) Ground	Unmanned Safety Institute		Transportation, Distribution & Logistics		No corresponding SOC code yet for Drone operator.	CAPE Industry Certification			0.1
FEDAA004	FAA Aviation Mechanic Technician - Airframe	Federal Aviation Administration		Transportation, Distribution & Logistics		49-3011	CAPE Acceleration Industry Certification			1.0
FEDAA010	FAA Aviation Maintenance Technician - Powerplant	Federal Aviation Administration		Transportation, Distribution & Logistics		49-9071	CAPE Acceleration Industry Certification			0.5
MSSCN001	MSSC Certified Production Technician (CPT)	Manufacturing Skills Standards Council (MSSC)		Manufacturing		51-1011	CAPE Acceleration Industry Certification			0.5
CERTI802	IC3 Spark	Certiport, A Pearson VUE Business		N/A		not applicable	CAPE Digital Tool Certificate			0.025
CERTI803	IC3 - Computing Fundamentals	Certiport, A Pearson VUE Business		N/A		not applicable	CAPE Digital Tool Certificate	IC3 Global Standard 4 or later		0.025
CERTI804	IC3 - Key Applications	Certiport, A Pearson VUE Business		N/A		not applicable	CAPE Digital Tool Certificate	IC3 Global Standard 4 or later		0.025
CERTI805	IC3 - Living Online	Certiport, A Pearson VUE Business		N/A		not applicable	CAPE Digital Tool Certificate	IC3 Global Standard 4 or later		0.025
CERTI806	IC3 Digital Literacy Level 1	Certiport, A Pearson VUE Business		N/A		not applicable	CAPE Digital Tool Certificate			0.025
DIGIT802	Rapid Prototyping & 3D Design Beginner	DigitalQuest, Inc.		N/A		not applicable	CAPE Digital Tool Certificate			0.025

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DIGIT803	GIS Essentials Certification	DigitalQuest, Inc.		N/A		not applicable	CAPE Digital Tool Certificate			0.025
FABLE801	Animation-ish	FableVision Learning		N/A		not applicable	CAPE Digital Tool Certificate			0.025
FABLE802	FabMaker Studio Certification	FableVision Learning		N/A		not applicable	CAPE Digital Tool Certificate			0.025
ISOGR801	TOSA@DigComp	Isograd		N/A		not applicable	CAPE Digital Tool Certificate			0.025
MICRO801	Microsoft Office Specialist: Microsoft Office Excel	Microsoft Corporation		N/A		not applicable	CAPE Digital Tool Certificate	Office 2016 or later		0.025
MICRO802	Microsoft Office Specialist: Microsoft Office Word	Microsoft Corporation		N/A		not applicable	CAPE Digital Tool Certificate	Office 2016 or later		0.025
MICRO803	Microsoft Office Specialist: Microsoft Office PowerPoint	Microsoft Corporation		N/A		not applicable	CAPE Digital Tool Certificate	Office 2016 or later		0.025
PRODL801	Coding in Minecraft	Prodigy Learning		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO801	ICT – Database Essentials	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO802	ICT – Gaming Essentials	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO803	ICT – Multimedia Essentials	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO804	ICT – Programming & Logic Essentials	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO805	ICT – Web Design Essentials	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO806	ICT - Communications Essentials	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO807	ICT - Computing Essentials	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO808	ICT - Cybersecurity Essentials	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO809	ICT - Spreadsheet Essentials	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO810	ICT - Word Processing Essentials	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO811	ICT - Fundamentals	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025
PROSO812	ICT Digital Citizenship and Ethics	Certification Partners		N/A		not applicable	CAPE Digital Tool Certificate			0.025

<sup>1</sup> Based on the skills needed to earn the certification and the area of CTE programs whose instruction best prepares for the certification. For certifications that align with more than one cluster, the cluster with programs most closely linked to the certification requirements was chosen.

<sup>2</sup> Based on the U.S. Bureau of Labor Statistics 2018 Standard Occupational Code System. For occupational titles with updated SOC Codes in the 2018 system, the former 2010 SOC Code is listed in parentheses.

<sup>3</sup> Section 1008.44(3), Florida Statutes gives the State Board of Education authority to differentiate age, work experience, and other requirements.

# National Merit® Scholarship Program

The National Merit® Scholarship Program is an academic competition for recognition and scholarships that began in 1955. Approximately 1.5 million high school students enter the program each year.

## How to Enter the Competition

High School students who meet published [program entry and participation requirements](#) enter the National Merit® Scholarship Program by taking the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) at the specified time in the high school program, usually as juniors. Each year's PSAT/NMSQT is the qualifying test designated for entry to a particular year's competition. For example, the 2020 PSAT/NMSQT is the qualifying test for entry to the competition for scholarships to be awarded in 2022.

Registration for the test is by high school rather than individual student. Interested students should see their counselor at the beginning of the school year to make arrangements to take the PSAT/NMSQT at the school in the fall. **Note:** For the 2022 National Merit Scholarship Program, the PSAT/NMSQT will be administered in October 2020 and January 2021.

**Note:** The PSAT 10 and PSAT 8/9 will not be considered for entry to the National Merit Scholarship Program. The PSAT/NMSQT is the official route of entry to the National Merit Scholarship Program.

## Student Entry Requirements

On test day, students are asked some questions to determine entry to the National Merit Scholarship Program. To participate in the National Merit Scholarship Program, a student must:

1. take the PSAT/NMSQT in the specified year of the high school program and no later than the third year in grades 9 through 12, regardless of grade classification or educational pattern;
2. be enrolled as a high school student (traditional or homeschooled), progressing normally toward graduation or completion of high school, and planning to accept admission to college no later than the fall following completion of high school; and
3. attend high school in the United States, the District of Columbia, or U.S. commonwealth and territory; or meet the citizenship requirements for students attending high school outside the United States (see below).

**Students attending high school outside the U.S.:** To be eligible for the National Merit Scholarship Program, students attending high school outside the United States must be a citizen of the United States; or be a U.S. lawful resident (or have applied for permanent residence, the application for which has not been denied) and intend to become a U.S. citizen at the earliest opportunity allowed by law.

## When to Take the PSAT/NMSQT®

- **Students who plan to spend the usual four years in high school (grades 9 through 12) before entering college full time** must take the PSAT/NMSQT in their third year (grade 11, junior year). They will be entering the competition that ends when awards are offered in the spring of their fourth high school year (grade 12, senior year), the same year they will leave high school and enter college.

Although some schools encourage their **sophomores** to take the PSAT/NMSQT for guidance purposes, these students must take the test again when they are juniors to enter the National Merit Scholarship Program if they are spending the usual four years of study in grades 9 through 12.

- **Students who plan to leave high school a year (or more) early to enroll in college full time** usually can participate in the National Merit Scholarship Program if they take the PSAT/NMSQT before they enroll in college. Such students must take the PSAT/NMSQT in either the **next-to-last year** or the **last year** they are enrolled in high school.
  - Those who take the PSAT/NMSQT in the **next-to-last year** of high school will be entering the competition for awards to be offered as they are finishing their final high school year.
  - Those who take the PSAT/NMSQT in their **last year** of high school will be entering the competition for awards to be offered as they are completing their first year of college.
- **Students who are dual enrolled in both high school and college** must take the PSAT/NMSQT in their third year of high school (grade 11, junior year) to enter the National Merit Scholarship Program. The high school determines whether a student is dual enrolled and confirms the student's status as a high school student.
- **Students who plan to spend five years in grades 9 through 12 before entering college full time** can participate in the National Merit Scholarship Program if they take the PSAT/NMSQT in the third year of high school and again in the fourth year. These students' Selection Index scores will not be eligible for the program until a written request for entry to the competition is approved by NMSC. The request should include

the student's name, high school name and location, year the student began high school, year the student will complete high school, and a brief explanation of the student's educational pattern.

NMSC will use the student's Selection Index score from the PSAT/NMSQT taken in the student's third year of grades 9 through 12 to determine the expected level of recognition. In order to be recognized in the fifth (final) year of high school, the student must take the PSAT/NMSQT again in the fourth year and earn a qualifying Selection Index score at or above the level achieved on the third year test. The level of recognition a student receives cannot exceed the level earned on the qualifying test taken during the student's third year in grades 9 through 12, the year in which all other competitors are considered.

**Note:** Because a student can participate (and be considered for a scholarship) in only one specific competition year, the year in which the student takes the PSAT/NMSQT to enter the competition is very important. If there is a question about whether a student can participate in the National Merit Scholarship Program because his or her educational plans do not fit one of the preceding descriptions, or for any other reason, contact NMSC immediately.

## If a Student Misses the PSAT/NMSQT Administration

A student who does not take the PSAT/NMSQT in October 2020 or January 2021 because of illness, an emergency, or other extenuating circumstance, but meets all other requirements for NMSC program participation, may still be able to enter the 2022 National Merit Scholarship Program. The student or a school official must visit the [Resources page](#) on NMSC's website after the PSAT/NMSQT administration to download information about procedures for alternate entry to the 2022 National Merit Scholarship Program. To be considered, a student must complete certain requirements before April 1, 2021.

## PSAT/NMSQT Scores Are Sent to NMSC

As cosponsor of the test, NMSC receives all PSAT/NMSQT scores and certain information students provide on their answer sheets. Score Reports provided for test takers and their schools show a student's Selection Index score (calculated by doubling the sum of the Reading, Writing and Language, and Math Test scores) and whether the student meets NMSC program entry requirements. An asterisk (\*) next to the Selection Index score means the student's scores will not be used for entry. A school official or the student should immediately notify NMSC of any error or change in reported information that may affect participation. The Selection Index scores of students who meet entry requirements are used to designate high scorers to receive recognition.

## Program Recognition

Of the 1.5 million entrants, some 50,000 with the highest PSAT/NMSQT® Selection Index scores (calculated by doubling the sum of the Reading, Writing and Language, and Math Test scores)

qualify for recognition in the National Merit Scholarship Program. In September, these high scorers are notified through their schools that they have qualified as either Commended Students or Semifinalists.

## Commended Students

In late September, more than two-thirds (about 34,000) of the approximately 50,000 high scorers on the PSAT/NMSQT receive Letters of Commendation in recognition of their outstanding academic promise. Commended Students are named based on a nationally applied Selection Index score that may vary from year to year and is typically below the level required for participants to be named Semifinalists in their respective states. Although Commended Students do not continue in the competition for National Merit Scholarships, some of these students do become candidates for Special Scholarships sponsored by corporations and businesses.

## Semifinalists

In early September, about 16,000 students, or approximately one-third of the 50,000 high scorers, are notified that they have qualified as Semifinalists. To ensure that academically talented young people from all parts of the United States are included in this talent pool, Semifinalists are designated on a state-representational basis. Semifinalists are the highest scoring entrants in each state. Qualifying scores vary from state to state and from year to year, but the scores of all Semifinalists are extremely high. NMSC provides scholarship application materials to Semifinalists through their high schools. To be considered for a National Merit Scholarship, Semifinalists must advance to Finalist standing in the competition by meeting high academic standards and all other requirements explained in the information provided to each Semifinalist. View the [Requirements and Instructions for Semifinalists in the 2021 National Merit Scholarship Program](#) for more information about what Semifinalists must do. ([Adobe Acrobat Reader is required.](#))

## Finalists

In February, some 15,000 Semifinalists are notified that they have advanced to Finalist standing. High school principals are also notified and provided with a Certificate of Merit to present to each Finalist.

## Winner Selection

All winners of Merit Scholarship awards (Merit Scholar® designees) are chosen from the Finalist group based on their abilities, skills, and accomplishments—without regard to gender, race, ethnic origin, or religious preference. A variety of information is available for NMSC to evaluate: The Finalist's academic record, information about the school's curriculum and grading system, PSAT/NMSQT Selection Index score, the high school official's written recommendation, information about the student's activities and leadership, and the Finalist's own essay.

## Types of Merit Scholarship Awards

Beginning in March and continuing to mid-June, NMSC notifies approximately 7,600 Finalists that they have been selected to receive a Merit Scholarship® award. Merit Scholarship awards are of three types:

- **National Merit® \$2500 Scholarships**  
Every Finalist competes for these single-payment scholarships, which are awarded on a state-representational basis. Winners are selected by a committee of college admission officers and high school counselors without consideration of family financial circumstances, college choice, or major and career plans.
- [Corporate-sponsored Merit Scholarship awards](#)  
Corporate sponsors designate their awards for children of their employees or members, for residents of a community where a company has operations, or for Finalists with career plans the sponsor wishes to encourage. These scholarships may either be renewable for four years of undergraduate study or one-time awards.
- [College-sponsored Merit Scholarship awards](#)  
Officials of each sponsor college select winners of their awards from Finalists who have been accepted for admission and have informed NMSC by the published deadlines that the sponsor college or university is their first choice. These awards are renewable for up to four years of undergraduate study. The published deadlines for reporting a sponsor college as first choice can be viewed on page 4 of the [Requirements and Instructions for Semifinalists in the 2021 National Merit® Scholarship Program](#). ([Adobe Acrobat Reader is required.](#))

Merit Scholarship awards are supported by some 400 independent sponsors and by NMSC's own funds. Sponsor organizations include corporations and businesses, company foundations, professional associations, and colleges and universities.

## Special Scholarships

Every year some 1,100 National Merit Program participants, who are outstanding but not Finalists, are awarded Special Scholarships provided by corporations and business organizations. To be considered for a Special Scholarship, students must meet the sponsor's criteria and the entry requirements of the National Merit Scholarship Program. They also must submit an entry form to the sponsor organization. Subsequently, NMSC contacts a pool of high-scoring candidates through their respective high schools. These students and their school officials submit detailed scholarship applications. NMSC's professional staff evaluates information about candidates' abilities, skills, and accomplishments and chooses winners of the sponsor's Special Scholarships. These scholarships may either be renewable for four years of undergraduate study or one-time awards.

A list of corporate organizations that sponsor National Merit Scholarships and/or Special Scholarships is given in the [PSAT/NMSQT® Student Guide](#).

## **Additional Information**

More information about the PSAT/NMSQT® and National Merit Scholarship Corporation can be found in the [PSAT/NMSQT® Student Guide](#) sent to high schools for distribution to students before the test. The NMSC section gives requirements for entry to the National Merit Scholarship Program, explains steps in the competition, and describes groups of students honored and scholarships offered. The Test-Taking Help section provides important information about the PSAT/NMSQT, including test regulations, sample test questions with directions and tips for answering them, and a pull-out practice test for self-scoring. College Board, which cosponsors the test, provides more test-taking information at [collegeboard.org](http://collegeboard.org).



# Other Options for Gaining College Credits

## Dual Enrollment:

The Dual Enrollment Program at Broward College (BC) is an accelerated program that allows eligible public/charter, private high school and home school education students to earn high school and college credits at the same time, saving both time and money!

Tuition, laboratory and student fees are waived for program participants. Textbook fees are also waived for public school students.

**\*\*\*9<sup>TH</sup> AND 10<sup>TH</sup> GRADERS ARE NOW LIMITED TO ONE DUAL ENROLLMENT CLASS A SEMESTER, WHICH MUST BE TAKEN AT THEIR HIGH SCHOOL**

**\*\*\*11<sup>TH</sup> AND 12<sup>TH</sup> GRADERS ARE NOW LIMITED TO TWO DUAL ENROLLMENT CLASSES A SEMESTER, ONE OF WHICH MUST BE TAKEN AT THEIR HIGH SCHOOL**

## Initial Eligibility Requirements

- Must be enrolled as a Broward County Public School student
- Minimum 3.0 unweighted high school grade point average (GPA)
- Qualifying scores on SAT, ACT, or PERT exam **\*\***(in lieu of SAT, ACT, or PERT exam scores, qualifying scores on the PSAT, FSA, or EOC may be used until December 31, 2020)\*\*

## Once you are already dual enrolled you must maintain the following requirements:

- Completed Dual Enrollment Recommendation form for each term (signed by parent/legal guardian, student, school counselor, and principal)
- Maintain a 3.0 unweighted GPA in high school academic work
- Maintain a 2.0 Broward College GPA
- Earn a grade of a "C" or better in each college-level course
- Dual Enrolled students who receive a "D" or "F" grade are no longer eligible to participate in the program

## Early Admission:

Early Admission, a form of dual enrollment, allows eligible high school senior students to enroll in at least 12 credits per term, Fall and Spring, and maintain a college GPA of 2.0 or greater. The difference between Dual Enrollment and Early Admission is that for early admission you are exclusively taking classes at the college. Early admission students wishing to matriculate to BC will need to submit their final high school transcript showing their graduation date.

**SEE YOU GUIDANCE COUNSELOR FOR MORE INFORMATION, DEADLINES AND OTHER REQUIREMENTS**

## College Academy:

The [College Academy at BC](#), located at the Central Campus in Davie and the North Campus in Coconut Creek, offers high school juniors enrolled as full-time in the program, the opportunity to receive a high school diploma from the School Board of Broward County, Florida and an Associate in Arts (A.A.) degree from Broward College. Visit the College Academy website below for more information, eligibility requirements and application information.

### Eligibility Criteria

#### Application Criteria - Part I: Initial Screening (must meet all criteria)

- Must be a Broward County Resident at time of application.
- Must be registered as a 10th grader at time of application.
- Have earned a minimum cumulative unweighted 3.25 GPA.
- Record of excellent attendance and excellent citizenship.

#### Application Criteria: Part 2: Testing Requirements

- Testing scores on three sections of the Postsecondary Education Readiness Test (PERT) or SAT/ACT that will result in placement for College level courses. Scores must be within two years.

PERT SCORES	Reading Comprehension	106 - 150
	Writing	103 - 150
	Math	123 - 150
ACT SCORES	Math 21+      Reading 19+	
	English 17+	
SAT SCORES	Math 26.5      Reading 24+	
	Writing 25+	

- Minimum test scores are established by the Florida Department of Education and are subject to change without notice.

#### Final Eligibility Criteria: Part 3 - Continue to Meet Admissions Criteria

- The offer of admission is contingent upon students maintaining academic, attendance, and behavioral qualifications throughout the admission process.

Final Transcripts must reflect Geometry, World History, HOPE or HS PE/Fitness Lifestyle Design (equivalent) prior to fall admissions. Students must complete any missing required course work (such as FLVS/BVS) prior to fall admissions.

For more information visit: <http://collegeacademy.browardschools.com/>

## SAT IMPORTANT INFO

### Connect to College

The SAT is the nation's most widely used college admission test. Used in combination with high school GPA, SAT scores are the best predictors of a student's potential to succeed in college.

### Register for the SAT

- The test costs \$55.00.
- Additional fees are as follows:
  - Change fee is \$35.00
  - Late Registration Fee is an additional \$30.00
- You will need to upload a photo when you register.
- Students with disabilities who want to test with accommodations must request them from the College Board at least seven weeks before test day.

### Fee Waivers

- SAT fee waivers will continue to be available to students who need them. If you are on free or reduced lunch, you will need to see your Brace Advisor to receive the waivers before registering for the test. Some test dates are waiving the application fee, however, double check with Guidance or Brace Advisor from your school to make sure you are receiving this service. **In addition, every student who takes the SAT (NOT ACT) with a fee waiver will receive FOUR (4) college application fee waivers directly from their College Board account.** Seniors will access these waivers through their online College Board account. If you sign up to take the test with the fee waiver and do not take it, you will not be able to receive the free college application waivers when you need them.

### Sending Your Scores to Colleges

- It is very important that when you sign up for the SAT and ACT that you send your test scores directly to the colleges you think you will plan to apply. **If this is NOT requested, you will have to pay \$12 for the scores to be sent afterwards.** Every time you sign up to take the test, send scores to the colleges.

### Preparing for the Test

- **Get Free, personalized SAT practice from Khan Academy** - Students who take any test in the SAT Suite — or an online practice test — will receive personalized SAT study resources based on their results. This Khan Academy practice experience will be adaptive and tailored to meet each student's individual needs. [Learn more about our partnership with Khan Academy.](#)
- **Urban League of Broward County offers free prep classes to Students.** Go to <http://www.ulbroward.org/> to see about available programs.
- **Public Libraries of Broward County – Search your local library to see what type of Free services they have for prep classes.**

# Top 10 College Majors

College offers you many academic freedoms. You can cultivate existing passions and explore new interests—and [find a major](#) that will put you on the career path you want.

Whatever [major](#) you choose, don't pick based on the courses that come easiest to you, or what your friends are studying, because you'll be cheating yourself out of some great opportunities and self-discovery!

We compiled this list of best college majors based on research covering job prospects, alumni salaries, and popularity. That does not mean every course of study listed here will guarantee you a job, or a huge paycheck—but each of these majors does offer unique intellectual challenges and will help you develop skill sets that will be applicable in a variety of professional positions.

## 1. Computer Science

Not only will you learn more about computers—hardware and software—but you will also learn about the applications of such knowledge, such as how technology fits into a business scenario. As a [computer science major](#), you will be exposed to areas such as robotics, natural language recognition programs, artificial intelligence, programming languages, numerical analysis, and gaming technology. Problem solving is a major component of computer science, no matter which segment of the industry you want to pursue.

## 2. Communications

[Communications majors](#) tend to be great storytellers with quick wits and fiery personalities. You will spend a significant amount of time scrutinizing different kinds of presentations—such as speeches and scripts—and the strategies behind the messages that speakers and writers use to make their points. You will learn about verbal and nonverbal messages, audience reaction, and the varied effects of different communication environments. It will prepare you for a wealth of career options in business, advertising, human resources, public relations, government, education, media, and social services.

## 3. Government/Political Science

Because it often deals with current events and sophisticated statistical analysis, political science is timely, fascinating, and perpetually changing. In a nutshell, it is the study of politics of government, and some of the common concentrations are American government, public policy, foreign affairs, political philosophy, and comparative government. [Political science majors](#) develop excellent critical thinking and communication skills, and more broadly, an understanding of history and culture. There will be lots of reading, writing, and math. Possible career paths are diverse—from lawyer to politician to journalist.

## 4. Business

Think you are a born leader? You will need stellar people skills—no room for shrinking violets here—and talents in problem solving, number crunching, and decision-making. In addition, do not forget great communication skills! While studying business, you will get a thorough grounding in the theories and principles of accounting, finance, marketing, economics, statistics, and human resources functions. You will be a whiz on how to budget, organize, plan, hire, direct, control, and manage various kinds of organizations—from entrepreneurial-type start-ups to multi-million-dollar corporations. The [business major](#) will also get you thinking about issues such as diversity, ethics, politics, and other dynamics that play a role in every work environment. Make sure those competitive juices are flowing; the business world is all, well, business.

## 5. Economics

[Economics](#) is the study of choices—those of individuals, businesses, governments, and societies and how they choose to spend their time and money and otherwise allocate their resources. In addition, you guessed it: Economics involves heavy doses of critical thinking and math. This study of the production, distribution, and consumption of goods and services is an indispensable tool for making sense of the intricacies of the modern world. It is also an excellent preparation for a future in business, as well as for graduate studies in law, public policy, and international studies.

## 6. English Language and Literature

If you find yourself generally immersed in some book—anything from Shakespeare to Cheryl Strayed—you will likely find others just like you in the English department studying the trochaic octameter of Edgar Allan Poe's "The Raven," the stunning word choices of narrative nonfiction author Annie Dillard, or the experimental elements of the writings of Walter Abish. English programs focus on literature, language, and writing, and an [English major](#) will encounter a wide array of absorbing works of fiction, poetry, and nonfiction from around the world and throughout history. Analyzing the works of the greatest minds and imaginations that human civilization has produced will surely sharpen your critical, emotional, creative, and moral faculties. The study of literature also helps to shed some light on the answers to the enduring questions of the human condition. This degree is tremendous preparation for a future in law, journalism, publishing, graduate studies, and just about anything else.

## 7. Psychology

If you find yourself delving into why certain people react to certain aspects of their environments in a certain way, then studying psychology will help you learn about the biology of our brains. [Psychology majors](#) focus on such features of the human mind as learning, cognition, intelligence, motivation, emotion, perception, personality, mental disorders, and the ways in which our individual preferences are inherited from our parents or shaped by our environment. Within the field, psychologists seek to educate, communicate, and resolve many of the problems surrounding human behavior. In the job market, this degree can set you up to be a therapist or counselor, obviously, but also a teacher, child development specialist, lawyer, or consultant, depending on the experiences and post-grad studies with which you complement your degree.

## 8. Nursing

Compassionate individuals with a great mind for the intricate—and sometimes heartbreaking—world of medicine will be well suited for a nursing career. In the course of evaluating, diagnosing, and treating health problems, there is also the chance to work with ever-evolving and ultra-sophisticated technology. [Nursing majors](#) take the traditional science and liberal arts courses as a first-year student and begin clinical rotations at hospitals and other health care facilities during the second semester of their sophomore year. Certification exams are required after graduation from an accredited nursing program before you can be officially registered. In addition, the job prospects for nurses are not only plentiful but also varied, available in fields such as geriatrics, neurology, oncology, obstetrics, and pediatrics.

## 9. Chemical Engineering

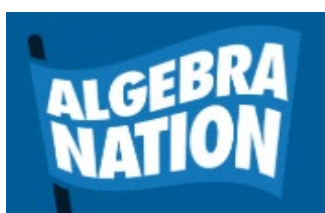
Chemical engineers harness chemical reactions to produce things people want. It is a very broad field that overlaps considerably with other branches of [engineering](#), [chemistry](#), and [biochemistry](#). [Chemical engineering majors](#) learn how to reorganize the structure of molecules and how to design chemical processes through which chemicals, petroleum, foods, and pharmaceuticals can undergo. You will learn how to build and operate industrial plants where raw materials are chemically altered. You will learn how to keep the environment safe from potential pollution and hazardous waste, too. Paper mills, manufacturers of fertilizers, pharmaceutical companies, plastics makers, and tons of other kinds of firms will be looking for your expertise.

## 10. Biology

From microscopic organisms to cloning procedures, biology encompasses pretty much the whole world. [Biology majors](#) can study human, plants, animals, and the environments in which they live, and studies are conducted at the cellular level, the ecosystem level or anywhere in between. You might find yourself looking to uncover secrets and for ways to solve problems, such as finding a cure for a disease. Biology majors may find themselves in med school, or in one of many growing fields such as genetics and biotechnology or working as a veterinarian, optometrist, ecologist, or environmentalist.

## Tutoring Resources

- ❖ Khan Academy is an online tool that provides free tutoring for a variety of subjects. It also has a prep course **preparing for SAT testing**. Visit <https://www.khanacademy.org/>
- ❖ Algebra Nation is another on-line resource service for TSIC students only. Use **ALGEBRA NATION** to help in math subjects: 6th-8th Grade Mathematics, Algebra 1, Geometry, and Algebra 2. Log in to <https://www.algebranation.com/fl/>. Once you log in, you will be prompted to enter your high school name and will then log in through your pinnacle account.



- ❖ Broward County Public Libraries <http://www.broward.org/library/mylibraryonline/pages/tutoringprograms.aspx>
- ❖ The Urban League of Broward County <http://www.ulbroward.org/>
- ❖ Broward College offers free tutoring services for BC students doing dual enrollment and Early Admissions. <http://www.broward.edu/studentresources/lrc/Pages/default.aspx>
- ❖ ALEKS- <https://www.aleks.com> (check if your school offers this resource)
- ❖ Be sure to check with your school resources regarding tutoring offered at your school

# Local Volunteer Opportunities- You NEED Service Hours

- **Broward County Library** <http://www.broward.org/Library/Organizations/Volunteers/Pages/Default.aspx>

If you're interested in honing your leadership skills, you can join our Teen Advisory Board. Almost every Broward County Library location has one, and they provide valuable input on teen programs and events as well as the selection of books and other materials.

To fast track your involvement, just stop by any branch library and see a Youth Services Librarian for details. For more information: [LibraryVolunteers@browardlibrary.org](mailto:LibraryVolunteers@browardlibrary.org)

- **HandsOn Broward**  
[http://www.handsonbroward.org/special\\_events](http://www.handsonbroward.org/special_events)

HandsOn Broward inspires, equips and mobilizes people to take action to positively affect change in Broward County. We connect individuals and groups to meaningful hands-on service opportunities at over 600 nonprofit organizations in Broward County, Florida. Call us at **(954) 233-1300** or send an email to [contactus@handsonbroward.org](mailto:contactus@handsonbroward.org) and we will be happy to refer you to one of our new volunteer orientations. There is no limit to the variety of volunteer openings available.

- **Broward Center for the Performing Arts**  
[www.browardcenter.org](http://www.browardcenter.org)

Join the Broward Center's volunteer team and meet exciting people who share your passion for live theater. Welcome our guests as an usher, or share your skills in the administration offices. We offer positions for all ages and interests. New volunteer ushers attend an orientation session and commit to a shift for the entire season. Please contact the Volunteer Department for upcoming orientation dates and times. For more information, email [volunteer@browardcenter.org](mailto:volunteer@browardcenter.org) or call 954.468.2684.

## Other opportunities to earn hours:

- After school clubs or programs
- Assisting teachers/ school personnel
- Community volunteering:
  - Animal shelters
  - Senior citizen centers
  - Community centers
  - Churches
  - Blood banks
  - Shelters
  - Food banks
  - Parks and Recreation Department
  - Habitat for Humanity
  - Crisis hotlines

## Other sites to check out for opportunities:

- <http://www.volunteens.com/>
- <http://www.broward.org/volunteer/pages/default.aspx>
- [www.Voa.org/volunteer](http://www.Voa.org/volunteer)
- [www.volunteermatch.org](http://www.volunteermatch.org)

# What to Look for in a Game Design School

PRESENTED BY OUR PARTNER SCHOOLS

Why pursue a degree in game design? Some of the most rewarding career choices couple a passion for the subject matter with a promising job that is both enjoyable and pays the bills. With the right skills and preparation, including an [undergraduate degree in game design](#), becoming a Game Designer could be an excellent career choice for the passionate gamer.

## Key Game Design Program Features

Many game design schools in this area emphasize a strong mix of skills learned in the classroom and in practical application, resulting in a blend of the two at many programs. In other words, the best way to learn game design is to spend a lot of time designing games.

Here are some features to look for in a Game Design program that maximize your opportunities for learning and developing games:



### 1. Cutting edge technology

One advantage to learning game design in a university environment is having early access to new technologies, or even developing those technologies. At [Drexel University](#), for example, faculty go beyond teaching AI for games by involving students in NSF-funded research, developing AI beyond its current applications. “Rather than being “new,” our students have been working with immersive technologies like VR and AR for many years, so the depth of knowledge in these spaces extends into our cohorts of Masters and PhD students that are working and sharing in the same spaces as our undergraduates. Our students are constantly making games, LOTS of games, and those games could be entirely entertainment, or ways to challenge physical therapy patients to strive for their next goal, or help programming engineers learn the intricacies of parallel computing.” By seizing these unique opportunities, Drexel students can graduate with a standout portfolio of skills and working experiences, which is incredibly valuable in a crowded industry.

### 2. Hands-on projects in game development

[Bradley University](#) offers two exciting opportunities for hands-on learning in a collaborative game design environment: “Catapult Project” and “Hollywood Semester.” “Catapult” funds up to \$15,000 for each of ten games that students can use as portfolio pieces when applying to internships and jobs. The funds are used to purchase virtual reality equipment, arcade cabinets, multi-touch tables, HoloLens or whatever the student-team needs to realize its vision. Bradley’s “Hollywood Semester,” where “game students live in Los Angeles, intern at video game companies (such as Dreamworks Animation and Sony Interactive Entertainment), and study with industry professionals.”

You also want to make sure that your hands-on projects culminate in a portfolio for your job search. At [Cogswell Polytechnic College](#), the program culminates with students creating a strong portfolio and working in Game Studio. “In Game Studio, students work with an external client to make a shippable game. A recent example is a game made for AC Transit, a major transportation authority in the eastern region of the San Francisco Bay Area. In collaboration with their executives, students designed a playable game for people riding their bus line. The game will ship in both the Apple Store and the Google Play Store.”



### 3. Interdisciplinary studies with a collaborative, team approach

The ability to work successfully in a team is a beneficial “soft” skill that employers look for in game design and development, and in many careers. At the [University of Utah EAE](#), students from a variety of disciplines come together in classes to create games, and take courses allied areas such as Videogames and Storytelling, Intro to Design Thinking, and Intro to Interpersonal Communication. “This interdisciplinary work fosters understanding between students who are pursuing very different passions, and at the same time teaches the fundamental building blocks of great teamwork. These “soft” skills are put to the test in a yearlong capstone class where students work in large teams to build a video game from inception to public release.”

### 4. Preparing students for careers inside and outside of the game industry

Not every major pursues game design as a career. Many programs work with other on-campus programs to leverage skills and technologies in different areas. At [Worcester Polytechnic Interactive Media and Game Design \(IMGD\)](#), “students learn all of the components needed to succeed with the skills they acquire here (design, coding, art, writing, and sound, as well as leadership and entrepreneurship).” They can double major, or benefit from strong connections with degrees like Learning Sciences and Robotics. “Though many of our undergraduate and graduate students go into game development, they have found opportunities to apply their knowledge to medical augmented reality via HoloLens development at UMass Medical Center, to work at the New York Times on mobile app development, to enter the robotics industry, to do Android development for Google, to become animators, and so much more” inside and outside the games industry.

Researching different game design programs can help you refine your list of target schools. Here are some more [things to think about when comparing different colleges](#).

Keep in mind that Game Design majors can also consider an advanced degree in Game Design. (The Princeton Review ranks the [best graduate programs in Video Game Design](#).) We asked [SMU Guildhall](#), the #1 Graduate Program in Game Design, about the graduate school curriculum and experience they offer their students:

“Teamwork and specialized learning are the core of SMU Guildhall’s curriculum. SMU Guildhall offers 50 graduate classes annually dedicated to game design masters students with specializations in Art Creation, Level Design, Production, and Programming. Each cohort completes four core courses that teach the theory & practice of game development. These courses include three team game projects (one 2D and two 3D) in which teams build and iterate their game designs based on robust user research. Students then take 11 courses related to their specialization of interest in order to become masters of game art, programming, design, or production. In addition, master’s students complete three thesis-based courses to focus their projects on advancing the field of game research. Further, SMU Guildhall students enroll in 2 professional development and ethics courses related to a professional career in game development.”

<https://www.princetonreview.com/college-advice/top-ten-college-majors>