

# LOCAL ARTICULATION AGREEMENT

## (Manatee and Sarasota County Schools with State College of Florida, Manatee-Sarasota)

In the spirit of partnership, collaboration and communication, the State College of Florida, Manatee-Sarasota (SCF), the School District of Manatee County and the Sarasota School District agree to provide, at no cost to eligible students, college credit for the Associate in Science (AS) Degree/Certificate programs listed in the charts beginning on page three of this document.

### CONDITIONS OF AGREEMENT:

1. Student must enroll and be admitted to State College of Florida, Manatee-Sarasota (SCF) in the Program of Study leading to the Associate in Science (AS) degree or certificate program as indicated in this agreement within two (2) calendar years from either graduation from high school **OR** completion of the postsecondary adult vocational program.
2. To apply for SCF credit under this Agreement, the student must meet the eligibility requirement iterated above and have official transcripts sent to SCF showing work previously completed at Manatee or Sarasota County Schools.
3. Course curriculum frameworks showing student performance outcomes and standards will be available in the Career Pathways offices at SCF, and/or Manatee/Sarasota County Schools.
4. The student must complete an Articulated Credit form and submit it with their high school transcript and CTE certificate(s) of completion to the Office of Career and Technical Education,
5. The articulated credit will be placed on the student's SCF transcript upon completion of the conditions listed in items 1, 2 and 4.
6. Statewide PSAV to AS Degree agreements can be found and viewed at [http://www.fldoe.org/workforce/dwdframe/artic\\_frame.asp](http://www.fldoe.org/workforce/dwdframe/artic_frame.asp)

### REVIEW PROCESS:

This articulation agreement will be reviewed every two years unless superseded by a statewide articulation agreement. If curricular **OR** programmatic modifications are made, **OR** new programs/or academies are added, then the articulation agreement is to be updated annually. Once initially established and appropriate approvals are secured, the articulation agreement shall remain in effect until revised **OR** revoked. Sixty (60) days written notice must be given by a party to revoke an articulation agreement, provided, however, in the event of any revocation, currently enrolled students shall be allowed to complete the applicable degree program.

State College of Florida CTE Website:

[www.scf.edu/CTE](http://www.scf.edu/CTE)

Manatee County Schools CTE Website:

[http://www.manateeschools.net/pages/SDMC/Departments/Teaching Learning/ACT](http://www.manateeschools.net/pages/SDMC/Departments/Teaching_Learning/ACT)

Sarasota County Schools CTE Website:

<http://sarasotacountyschools.net/schools/cte/>

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AUTOMOTIVE SERVICE MANAGEMENT TECHNOLOGY HOSPITALITY MANAGEMENT/CULINARY ARTS EMERGENCY MEDICAL SERVICES FIRE SCIENCE TECHNOLOGY	These articulated degrees are currently not offered through SCF

High school students are encouraged to make an appointment with State College of Florida's Office of Career & Technical Education for further information about articulated college credit.

*A.S. Recruiter/Advisor*

*State College of Florida, Manatee-Sarasota*

*Phone: 941-363-7216*

CLUSTER: ARCHITECTURE AND CONSTRUCTION				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA-MANATEE, SARASOTA	
<b>BUILDING TRADES &amp; CONSTRUCTION DESIGN TECHNOLOGY 8722000</b>	<b>BUILDING CONSTRUCTION TECHNOLOGY I460401</b>	OCP	<b>CONSTRUCTION MANAGEMENT TECHNOLOGY</b>	<b>ASSESSMENTS</b>
Building Trades and Construction Design Technology 1-2 (8722010, 8722020)	Building Construction Helper BCV0400	A	ETI 1701 Industrial Safety—3 credits BCN 2230 Building Construction Materials and Methods—3 credits	OSHA Certification NCCER—Core NCCER—Carpentry NCCER--Construction Technology
Building Trades and Construction Design Technology 3-4 (8722030, 8722040)	Building Construction Technician (1 or 2) BCV0401 Building Construction Technician (2 of 2) BCV0402	B	BCT 2770 Building Construction Estimating—3 credits	NCCER Carpentry 2
			<b>TOTAL ARTICULATED CREDITS: 3-9 CREDITS</b>	

CLUSTER: ARCHITECTURE & CONSTRUCTION				
SECONDARY PROGRAM	TECHNICAL CENTER PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
<b>DRAFTING 8725000</b>	<b>DRAFTING C100200</b>		<b>CONSTRUCTION MANAGEMENT TECHNOLOGY</b>	
8725010 Drafting 1	Blueprint Reader TDR0070	A	ETD 1320 Intro to AutoCAD –3 credits ETD 1340 AutoCAD II—3 credits	ADESK002 Autodesk Certified User AutoCAD
8725020 Drafting 2	Drafting Assistant TDR0370	B	ETD 1390 Autodesk Revit—3 credits ETD 2392 Advanced Architectural Revit—3 credits	ADESK008 Autodesk Certified User-Revit
8725030 Drafting 3	Drafting Detailer 1 & 2 Architectural Drafter/civil Drafter	C	ETD 2364 Intro to SolidWorks—3 credits ETD 2930—3 credits	AMDDA002 Certified Apprentice Drafter-Architectural
8725040 Drafting 4	Mechanical Drafter	D	EGS 2930 Selected Topics in Technology-- 3 credits	AMDDA003 Certified Drafter Architectural
	Structural Drafter	E	ETD 1395C- Architectural Computer Aided Design -- 3 credits	AMDDA004 Certified Drafter Mechanical AMDDA005 Certified Apprentice Drafter Mechanical
			<b>TOTAL ARTICULATED CREDITS: 3-24 CREDITS</b>	

CLUSTER: ARCHITECTURE AND CONSTRUCTION				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM		STATE COLLEGE OF FLORIDA-MANATEE, SARASOTA	
N/A	Air Conditioning, Refrigeration & Heating Technology	OCP	CONSTRUCTION MANAGEMENT TECHNOLOGY	ASSESSMENTS
	Air Conditioning, Refrigeration & Heating Helper	A	ETI 1701 Industrial Safety—3 credits	OSHA Certification CPR; First Aid; EPA
	Air Conditioning, Refrigeration & Heating Mechanic Assistant			
	Air Conditioning, Refrigeration & Heating Mechanic 1 Air Conditioning, Refrigeration & Heating Mechanic 2	B	BLN1502 Energy Efficiency HVAC Engineer—3 credits	HVAC Excellence Electrical & Residential A/C Certifications
	Air Conditioning, Refrigeration & Heating Mechanic Technician OR Refrigeration Mechanic			
			TOTAL ARTICULATED CREDITS: 6 CREDITS	

CLUSTER: ARTS, AV TECHNOLOGY & COMMUNICATION			
SECONDARY PROGRAM	TECHNICAL PROGRAM	STATE COLLEGE OF FLORIDA-MANATEE,SARASOTA	
DIGITAL MEDIA/MULTIMEDIA DESIGN		DIGITAL CINEMA	
Digital Media/Multimedia Design		FIL1000 Intro to Film—3 credits	Premiere Pro
Digital Media/Multimedia Design		FIL1420 Digital Film Production—3 credits	Illustrator
Digital Media/Multimedia Design		RTV 1421 Basic TV Production—3 credits	
Digital Media/Multimedia Design			
		TOTAL ARTICULATED CREDITS: 3-9 CREDITS	

CLUSTER: ARTS, AV TECHNOLOGY & COMMUNICATION			
SECONDARY PROGRAM	TECHNICAL PROGRAM	STATE COLLEGE OF FLORIDA-MANATEE,SARASOTA	
DIGITAL MEDIA Technology	N/A	DIGITAL CINEMA	
Digital Media/Multimedia Design		FIL1000 Intro to Film—3 credits GRA1100C Intro to Graphics—3credits	Premiere Pro Photoshop
Digital Media Fundamental		FIL1420 Digital Film Production—3 credits	Illustrator
Digital Media Production Systems		RTV 1421 Basic TV Production—3 credits	Flash or After Effects
Digital Media Delivery Systems			
		TOTAL ARTICULATED CREDITS: 3-12 CREDITS	

CLUSTER: ARTS, AV TECHNOLOGY & COMMUNICATION				
SECONDARY PROGRAM	TECHNICAL PROGRAM	OCP	STATE COLLEGE OF FLORIDA-MANATEE,SARASOTA	
DIGITAL VIDEO PRODUCTION 8772400	DIGITAL VIDEO PRODUCTION 1100240		DIGITAL CINEMA	
Digital Video Production 1 8772410	Digital Video Fundamentals	A	FIL1000 Intro to Film—3 credits	
Digital Video Production 2 8772420	Audio & Video Equipment Technician	B	FIL 1537 Audio Design—3 credits	
Digital Video Production 3 8772430	Camera Operator	C	FIL 2461 Cinematography—3 credits	
Digital Video Production 4 8772440	Video Editor	D	FIL 2571 Post Production Workshop—3 credits FIL2580 Film Style Production—3 credits	Premiere Pro CC
Industrial Cooperative Education OJT 8700400			FIL 2949 Internship—3 credits	Employers evaluation of intern's performance (SCF Assessment Instrument)
			TOTAL ARTICULATED CREDITS: 3-18 CREDITS	

CLUSTER: ARTS, AV TECHNOLOGY & COMMUNICATION				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
DIGITAL DESIGN 8209600	DIGITAL DESIGN B070600		GRAPHIC DESIGN SUPPORT CERTIFICATE	
Digital Design 1 8209510	Production Assistant	B	GRA1100C Introduction to Computer Graphics—3 credits	Portfolio Evaluation <b>OR</b> Proctored GRA1100C (Introduction to Computer Graphics)Department Exam/Practicum Portfolio Evaluation
Digital Design 2 8209520	Digital Assistant Designer (300 hours)	C	GRA2190C Graphic Design Basics—3 credits	Portfolio Review
Digital Design 3 8209530	Graphic Designer (300 hours)	D	GRA2150C – Photoshop – 3 credits	Portfolio Evaluation and Adobe Certified Associate—Photoshop <b>OR</b> proctored department exam/practicum
Digital Design 4 8209540	Graphic Designer	E		
			<b>TOTAL ARTICULATED CREDITS: 3-9 CREDITS</b>	

CLUSTER: ARTS, AV TECHNOLOGY & COMMUNICATION				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
DIGITAL DESIGN 8209600	DIGITAL DESIGN B070600		INTERACTIVE MEDIA CERTIFICATE	
Digital Design 1 8209510	Production Assistant GRA0024	B	GRA1100C Introduction to Computer Graphics—3 credits	Portfolio Evaluation <b>OR</b> Proctored GRA1100C (Introduction to Computer Graphics)Department Exam/Practicum Portfolio Evaluation
Digital Design 2 8209520 Digital Design 3 8209530	Digital Assistant Designer GRA0025	C	GRA2190C Graphic Design Basics—3 credits	Portfolio Review
Digital Design 4 8209540 Digital Design 5 8209550	Graphic Designer GRA0026	D	GRA2150C Photoshop - 3 credits GRA2151C Illustrator - 3 credits	Portfolio Evaluation and Adobe Certified Associate—Photoshop Portfolio Evaluation and Adobe Certified Associate—Illustrator <b>OR</b> proctored GRA 2151C department exam/practicum
Web Design 1	Multimedia Designer		GRA 2142C Web Design—3 credits	Portfolio Evaluation and ADOBE certified Associate--Dreamweaver
			<b>TOTAL ARTICULATED CREDITS: 3-15 CREDITS</b>	

CLUSTER: ARTS, AV TECHNOLOGY & COMMUNICATION				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
DIGITAL DESIGN 8209600	DIGITAL DESIGN B070600		GRAPHIC DESIGN TECHNOLOGY	
Introduction to Information Technology 8207310	BTE Core OTA0040	A		
Digital Design 1 8209510	Production Assistant GRA0024	B	GRA1100C Introduction to Computer Graphics—3 credits	Portfolio Evaluation OR Proctored GRA1100C (Introduction to Computer Graphics)Department Exam/Practicum Portfolio Evaluation
Digital Design 2 8209520 Digital Design 3 8209530	Digital Assistant Designer GRA0025	C	GRA2190C Graphic Design Basics—3 credits	Portfolio Review
Digital Design 4 8209540 Digital Design 5 8209550	Graphic Designer GRA0026	D	GRA2150C Photoshop – 3 credits  GRA2151C Illustrator – 3 credits	Portfolio Evaluation and Adobe Certified Associate— Photoshop OR proctored GRA 2150C Photoshop department exam/practicum Portfolio Evaluation and Adobe Certified Associate— Illustrator OR proctored GRA 2151C Illustrator department exam/practicum
Digital Design 6 8209560 Digital Design 7 8209570	Media Designer GRA0027	E	GRA2122C Desktop Publishing—3 credits	Adobe Certified Associate— InDesign
Business Cooperative Education OJT 8200410			GRA 2949 Graphic Design Internship—3 credits	Portfolio Review
			<b>TOTAL ARTICULATED CREDITS: 3-18 CREDITS</b>	

CLUSTER: BUSINESS MANAGEMENT & ADMINISTRATION				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA PROGRAM	ASSESSMENTS
ACCOUNTING APPLICATIONS 8302100	ACCOUNTING OPERATIONS B070110		ACCOUNTING CERTIFICATE	
Digital Information Technology	Information Technology Assistant	A	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits	Microsoft Excel (MOS) <b>OR</b> Excel Expert (MOS) Certified Internet Web (CIW) <b>OR</b> higher
Accounting Applications 1 8203310	Accounting Clerk ACO0040	B	ACG 2021C Principles of Financial Accounting—3 credits	Accounting Applications Certificate (8302100) or Accounting Operations Certificate (B070110) with a grade of "B" or higher
Accounting Applications 2 8203320	Accounting Associate ACO0041	C	APA 2141 Computers for Accounting Applications—3 credits	QuickBooks Certified User (2015 or higher)
Accounting Applications 3 8203330	Accounting Assistant ACO0042	D	GEB 2210 Business Presentations & Communications—3 credits  GEB 2949 Internship in Business—1-3 credits	Portfolio of Business Writing and Presentations Employer evaluation of intern's performance (SCF Assessment Instrument)
			TOTAL ARTICULATED CREDITS: 3-15 CREDITS	



CLUSTER: BUSINESS MANAGEMENT & ADMINISTRATION				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA PROGRAM	ASSESSMENTS
ACCOUNTING APPLICATIONS 8302100	ACCOUNTING OPERATIONS B070110		ACCOUNTING TECHNOLOGY	
Digital Information Technology	Information Technology Assistant	A	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits	Microsoft Excel (MOS) <b>OR</b> Excel Expert (MOS) Certified Internet Web (CIW) <b>OR</b> higher
Accounting Applications 1 8203310	Accounting Clerk ACO0040	B	CGS1570 Integrated Business Applications—3 credits	Microsoft Office Specialist (MOS) (must include Excel)
Accounting Applications 2 8203320	Accounting Associate ACO0041	C	ACG 2021C Principles of Financial Accounting—3 credits	Accounting Applications Certificate (8302100) or Accounting Operations Certificate (B070110) with a grade of "B" or higher
Accounting Applications 3 8203330	Accounting Assistant ACO0042	D	APA 2141 Computers for Accounting Applications—3 credits	QuickBooks Certified User (2015 or higher)
			GEB 2210 Business Presentations & Communications—3 credits	Portfolio of Business Writing and Presentations
			<b>TOTAL ARTICULATED CREDITS: 3-15 CREDITS</b>	

CLUSTER: BUSINESS MANAGEMENT & ADMINISTRATION				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
INTERNATIONAL BUSINESS 8216100	INTERNATIONAL BUSINESS B060901		BUSINESS ADMINISTRATION/MANAGEMENT	
Introduction to Information Technology 8207310	BTE Core OTA0040	A	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits	Microsoft Office Specialist (MOS) 1 of 5 Word, Excel, Power Point, Outlook or Access (MOS) <b>OR</b> Certified Internet Web (CIW) <b>OR</b> higher certification
Accounting Applications 1 8203310 International Business Systems 8216110 International Finance & Law (level 3) 8216120	Manager Trainee (1 of 2) MNA0000 Manager Trainee (2 of 2) MNA 0001	B	GEB2350 Introduction to International Business-3 credits	Pass proctored Department final exam
Business Internship 8216130			GEB 2949 Internship in Business—1-3 credits	Employer evaluation of intern's performance (SCF Assessment Instrument)
			<b>TOTAL ARTICULATED CREDITS: 3-9 CREDITS</b>	

CLUSTER: BUSINESS MANAGEMENT & ADMINISTRATION				
SECONDARY PROGRAM	TECHNICAL CENTER PROGRAM	OCP	STATE COLLEGE OF FLORIDA- MANATEE, SARASOTA PROGRAM	
MEDICAL ADMINISTRATIVE SPECIALIST 8212300	MEDICAL ADMINISTRATIVE SPECIALIST B070300		BUSINESS ADMINISTRATION MANAGEMENT	
Digital Information Technology	BTE Core OTA0040	A	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits	Microsoft Office Specialist (MOS) one of five —Word, Access, Power Point, Outlook or Excel) <b>OR</b> Certified Internet Web (CIW) <b>OR</b> higher certification
Administrative Office Technology 1 8212110 Business Software Application 1 821220	Front Desk Specialist OTA0041	B	CGS1570 Integrated Business Applications Software—3 credits	Microsoft Office Specialist (MOS) must include Excel
Medical Office Technology 1 8212201 Medical Office Technology 2 8212202	Medical Office Technologist OTA631	C		
Medical Office Technology 3 8212203 Medical Office Internship	Medical Administrative Specialist OTA0651 Documented in field volunteer and work experience	D	GEB 2949 Internship in Business— 3 credits	Employer evaluation of intern's performance (SCF Assessment Instrument)
			TOTAL ARTICULATED CREDITS: 3-9 CREDITS	

CLUSTER: BUSINESS MANAGEMENT & ADMINISTRATION				
Secondary Program	Technical College Program	OCP	State College of Florida	ASSESSMENTS
MARKETING 8827100	MARKETING		BUSINESS ADMINISTRATION/MARKETING	
Marketing Essentials 8827110 Marketing Applications 8827120 (CORE) and E-Commerce	M200500 Marketing, Management & Entrepreneurship	A	MAR 2011 Principles of Marketing—3 credits	Proctored Department Final Exam for MAR 2011 (no industry certification available at state level)
			TOTAL ARTICULATED CREDITS: 3 CREDITS	

CLUSTER: BUSINESS MANAGEMENT & ADMINISTRATION				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA PROGRAM	ASSESSMENTS
BUSINESS MANAGEMENT and ANALYSIS 8301100	BUSINESS MANAGEMENT and ANALYSIS B060200		BUSINESS ADMINISTRATION/MANAGEMENT	
Digital Information Technology	BTE Core OTA0040	A	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits	Microsoft Office Specialist MOS- one of the five - Word, Excel, Access, PowerPoint or Outlook <b>OR</b> Certified Internet Web (CIW) <b>OR</b> higher certification
Business & Entrepreneurial Principles 9215120 Accounting Applications 1 8203310	Supervisor/Manager Trainee MNA0080	B	GEB1011 Introduction to Business—3 credits MNA Management & Supervision—3 credits	Pass proctored Department Final Exam (no appropriate industry certification at state level)
Management and Human Resources 8301110	Supervisor MNA0082	C	MAN2300 Management and Personnel-3 credits	Pass proctored Department Final Exam (no appropriate industry certification at state level)
Business Analysis 8301120				
Legal Aspects of Business 8215130			BUL2131 Legal Environment of Business – 3 credits	Pass proctored Department Final Exam (no appropriate industry certification at state level)
Business Cooperative Education OJT 8200410	Documented in field volunteer and work experience	C	GEB 2949 Internship in Business—1-3 credits	Employer's evaluation of intern's performance (SCF Assessment Instrument)
			<b>TOTAL ARTICULATED CREDITS: 3-18 CREDITS</b>	

CLUSTER: BUSINESS MANAGEMENT & ADMINISTRATION				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA PROGRAM	ASSESSMENTS
ADMINISTRATIVE OFFICE SPECIALIST 8212500	ADMINISTRATIVE OFFICE SPECIALIST B070330	OCP	BUSINESS ADMINISTRATION/MANAGEMENT	
Digital Information Technology	BTE Core OTA0040 MICRO069	A	CGS 1000 (Computer Information Systems) – Computer Information Systems—3 credits	Microsoft Office Specialist (MOS)—must include Excel <b>OR</b> Certified Internet Web (CIW) <b>OR</b> higher certification
Administrative Office Technology 1 8212110 Business Software Applications 1 8212120	Front Desk Specialist OTA0041 MICRO017	B	CGS 1570 Integrated Business Applications Software—3 credits	Microsoft Office Specialist (MOS)-must include Excel
Digital Design 1 8209510	Assistant Digital Production Designer OTA0030 HTML & Publisher	C	CGS 2820C Web Page Development—3 credits	
Administrative Office Technology 2-3 (8212410 & 8212420) Business Software Applications 2 8212160	Administrative Office Specialist OTA0043 Business Essentials Pearson	D		
Business Cooperative Education OJT 8200410	Internship (80 hrs) BCE 150 hrs		GEB 2949 Internship in Business—1-3 credits	Career Portfolio/Employer Assessment
			<b>TOTAL ARTICULATED CREDITS: 3-12 CREDITS</b>	

CLUSTER: EDUCATION & TRAINING				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA PROGRAM	ASSESSMENTS
EARLY CHILDHOOD EDUCATION 8405100	EARLY CHILDHOOD EDUCATION V200210		EARLY CHILDHOOD EDUCATION	
Early Childhood Education 1 8405110	Child Care Worker HEV0117 Child Care Teacher Aide HEV0101	A/B		
Early Childhood Education 2 8405120 Early Childhood Education 3 8405130	Preschool Teacher HEV0156	C	HSC 2401 Emergency First Aid and CPR—3 credits	Current National CDA or CCAC or ECPC or FCCPC certification
Early Childhood Education 4 8405140	Child Care Development Specialist HEV0162	D	2 Electives to be determined by Program Manager—6 credits	
Family and Consumer Science Cooperative OJT 8500410 <b>OR</b> Guided Workplace Learning 8300430	Family and Consumer Science Cooperative OJT <b>OR</b> Guided Workplace Learning 8300430		EEC 1319 Portfolio Development & Performance Observation—3 credits	Passing grade on mid-term and final exam(s) & Performance Observation & 2 competency completions to be determined by Program Manager
			<b>TOTAL ARTICULATED CREDITS:</b> 3-12 CREDITS <i>after completing 12 credit hours</i>	

CLUSTER: INFORMATION TECHNOLOGY				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
N/A	.NET APPLICATION DEVELOPMENT 7 PROGRAMMING Y700400		Computer Programming and Analysis (or any other Computer Science Program for which these courses are required)	
	Information Technology Assistant OTAA0040 (150 hours)	A	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits	
	Computer Programmer Assistant CTS0041 (300 hours)	B	COP 2510 Programming Concepts—3 credits COP2170—3 credits	MTA Microsoft Development Fundamentals 98-361
	Computer Programmer CTS044 (150 hours)	C	COP 2510 Programming Concepts—3 credits COP 2224C C++ OR COP2250C Java I—3 credits	MTA Microsoft Development Fundamentals 98-361
	.Net Programmer CTS0032 (450 hours)	D	COP 2510 Programming Concepts—3 credits COP 2228C C++ II OR COP2805C Java II—3 credits	MTA Microsoft Development Fundamentals 98-361
			<b>TOTAL ARTICULATED CREDITS: 3-21 CREDITS</b>	

CLUSTER: INFORMATION TECHNOLOGY				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
N/A	APPLIED CYBERSECURITY Y100300		ALL COMPUTER SCIENCE PROGRAMS	
	Cybersecurity Associate CTS0018 (600 hours)	A	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits CTS 1150 Microcomputer Hardware and Maintenance—3 credits CET 1600 Networking Fundamentals—3 credits	CompTIA A+ CompTIA/Networks+
	Information Security Manager CTS0019 (150 hours)	B	CIS 1355 Security Engineering—3 credits	CompTIA Security +
			<b>TOTAL ARTICULATED CREDITS: 3-12 CREDITS</b>	

CLUSTER: INFORMATION TECHNOLOGY				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA-MANATEE, SARASOTA	ASSESSMENTS
WEB DEVELOPMENT 9001100	WEB DESIGN B070500		COMPUTER INFORMATION ADMINSTRATOR COMPUTER INFORMATION TECHNOLOGY OPTION (or any other Computer Science Program for which these courses are required)	
Introduction to Information Technology 8207310	BTE Core OTA0040	A	CGS 1000 (Computer Information Systems) Computer Information Systems— 3 credits	Any portion of Microsoft Office Specialist (MOS)
Foundations of Web Design 9001110 User Interface Designs 9001120	Web Design 1 CTS0076	B	CGS 2820C Web Page Development—3 credits GRA2721C Web Design – 3 credits GRA2124C Web Design I – 3 credits	Adobe Certified Associate – Dreamweaver Adobe Certified Associate – Photoshop
Web Scripting Fundamentals 9001130 Media Integration Essentials 9001140	Web Design 2 CTS0077	C	GRA2143C Web Design 2 – 3 credits	Adobe Flash or Adobe Animate
E-Commerce & Marketing Essentials 9001150 Interactivity Essentials 9001160	Web Design 3 CTS0078	D	CGS 2172-Implementing a Commerce Enabled Website—3 credits	
Information Technology Directed Study 9000100 and/or Information Technology Cooperative Education OJT 9000420			CGS 1949 Internship in Computer Science— 3 credits	Employer evaluation of intern's performance (SCF Assessment Instrument)
			<b>TOTAL ARTICULATED CREDITS: 3-21 CREDITS</b>	

CLUSTER: INFORMATION TECHNOLOGY				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
N/A	APPLIED CYBERSECURITY Y100300		ALL COMPUTER SCIENCE PROGRAMS	
	Cybersecurity Associate CTS0018 (600 hours)	A	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits CTS 1150 Microcomputer Hardware and Maintenance—3 credits CET 1600 Networking Fundamentals—3 credits	
	Information Security Manager CTS0019 (150 hours)	B	CIS 1355 Security Engineering—3 credits	CompTIA Security +
			<b>TOTAL ARTICULATED CREDITS: 3-12 CREDITS</b>	

CLUSTER: INFORMATION TECHNOLOGY				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
N/A	COMPUTER SYSTEMS INFORMATION TECHNOLOGY Y100300		ALL COMPUTER SCIENCE PROGRAMS	
	Computer Systems Technician CTS0082	A	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits	
	Computer Network Technician CTS0083	B	CTS 1150 Microcomputer Hardware and Maintenance—3 credits	CompTIA A+
	Computer Networking Specialist CTS0084	C	CET 1600 Networking Fundamentals—3 credits	CompTIA Network+
	Computer Security Technician CTS0069	D	CET 1600 Networking Fundamentals—3 credits	CompTIA Network+
			<b>TOTAL ARTICULATED CREDITS: 3-12 CREDITS</b>	

CLUSTER: INFORMATION TECHNOLOGY				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
INFORMATION TECHNOLOGY 8207300	INFORMATION TECHNOLOGY Y300300		COMPUTER INFORMATION TECHNOLOGY-or any other Computer Science Program for which these courses are required	
Introduction to Information Technology 8207310	BTE Core OTA0040	A	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits	Any portion of Microsoft Office Specialist (MOS) <b>OR</b> Certified Internet Web (CIW) <b>OR</b> higher
IT Programming/Database 8207320 IT Technical Support/Networking 8203051	IT Programming and Database CTS0040 IT Technical Support/Networking CTS0099	B	CGS 2820C Web Page Development—3 credits CTS 1150 Microcomputer Hardware and Maintenance—3 credits	CompTIA A+ <b>OR</b> CompTIA Network +
IT Internship 8207350 IT Web/Digital Media 8207360	IT Internship CTS0940 IT Web/Digital Media CTS0079	C	CGS 1949 Internship in Computer Science—3 credits	Employer evaluation of intern's performance (SCF Assessment Instrument)
			<b>TOTAL ARTICULATED CREDITS: 3-12 CREDITS</b>	



CLUSTER: INFORMATION TECHNOLOGY				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
JAVA DEVELOPMENT & PROGRAMMING 9007200	BUSINESS COMPUTER PROGRAMMING B070320		COMPUTER PROGRAMMING & ANALYSIS (or any other Computer Science Program for which these courses are required)	
Digital Information Technology	BTE Core OTA0040	A	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits	Any portion of Microsoft Office Specialist (MOS) <b>OR</b> Certified Internet Web (CIW) <b>OR</b> higher
Foundations of Programming 9007210	Computer Programmer Assistant CTS0041	B	COP 2510 Programming Concepts—3 credits	Oracle Certification OCAJP 720-803
Procedural Programming 907220	Junior Programmer CTS0042	C	COP 2250C Java Programming—3 credits	
Object Oriented Programming 9007230	Junior Programmer 2 CTS0043	D	COP 2805C Java Programming 2 -3 credits	
	Computer Programmer CTS0044	E		
			<b>TOTAL ARTICULATED CREDITS: 3-12 CREDITS</b>	

CLUSTER: LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM-MTC	OCP	STATE COLLEGE OF FLORIDA-- MANATEE, SARASOTA	ASSESSMENTS
LEGAL ADMINISTRATIVE SPECIALIST 8212000	LEGAL ADMINISTRATIVE SPECIALIST B072000		PARALEGAL/LEGAL ASSISTING	
Digital Information Technology	Information Technology Assistant	A		
	BTE Expert Micro0017			
Administrative Office Technology 1 8212110 Business Software Applications 1 8212120	Front Desk Specialist OTA0041	B	CGS 1000 (Computer Information Systems) Computer Information Systems—3 credits CGS1570 Integrated Business Software – 3 credits	
Legal Aspects of Business 8215130	Administrative Support OTA0042	C	BUL 2131 Legal Environment of Business (elective)—3 credits	
Legal Office Technology 1 8212230 Legal Office Technology 2 8212240 Legal Office Technology 3 8212250	Legal Administrative Specialist OTA0050	D	PLA 2763 Law Office Management—3 credits PLA 2949 Internship in Paralegal/Legal Assisting (elective)—3 credits PLA 2732 Law Office Computer Applications—3 credits (A.S.) GEB 2210 - Business Presentations and Communications -3 credits PLA 1949 - Career Decision Work Experience in Legal Assisting – 3credits	Microsoft Master
Business Cooperative Education OJT 8200410	Business Cooperative Education OJT			
Business Education Directed Study 8200100	Business Education Directed Study			
			<b>TOTAL ARTICULATED CREDITS: 3-27 CREDITS</b>	

CLUSTER: SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS				
SECONDARY PROGRAM	TECHNICAL INSTITUTE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
<b>BIOMEDICAL SCIENCES 8708100</b>			<b>BIOTECHNOLOGY</b>	
Principles of Biomedical Sciences 8708110				
Human Body Systems 8708120			BSC 1008 Human Body—3 credits	
Medical Interventions 8708130			BSC 2420 C Introduction to Biotechnology Methods—3 credits	Biotechnology Assistant/skills evaluation by SCF Assessment Instrument
Biomedical Innovation 8708140				
Health Science Education Cooperative OJT 8400410 OR Health Science Education Directed Study 8400100				
			<b>TOTAL ARTICULATED CREDITS: 3-6 CREDITS</b>	

CLUSTER: SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS				
SECONDARY PROGRAM	TECHNICAL CENTER PROGRAM	OCP	SCF-MANATEE, SARASOTA	ASSESSMENTS
ELECTRONICS TECHNOLOGY 8600900	Electronics		Certificate: Electronics	ASSESSMENTS
Electronics Technology 1 8600910	Electronics Assembly		EET 1084-Introduction to Electronics—3 credits	ACET (Skills)
Electronics Technology 2 8600920	Electronics Tester			
Electronics Technology 3 8600930	Electronics Equipment Repair			
Advanced Applications in Technology 8601900				
Work Based Experience 8601800				
			TOTAL ARTICULATED CREDITS: 3 CREDITS	

CLUSTER: SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS			
TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA PROGRAM	ASSESSMENTS
ELECTRICITY I460312		Certificate Engineering Technology Support Specialist	
Electrical Helper BCV0603	A	ETI 1701 Industrial Safety—3 credits	OSHA/NCCER Core
Residential Electrician	B		
Commercial Electrician BCV0652	C	EET 1084-Introduction to Electronics—3 credits	NCCER Electrical Levels 1-4
		TOTAL ARTICULATED CREDITS: 3-6 CREDITS	

CLUSTER: SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
APPLIED ENGINEERING TECHNOLOGY 8401100	N/A	N/A	Certificate: ENGINEERING TECHNOLOGY Support Specialist	
Applied Engineering Technology 1 8401110			ETI 1701 Industrial Safety—3 credits	MSSC Safety
Applied Engineering Technology 2 8401120			ETD 1320C Introduction to AutoCAD—3 credits	MSSC Quality Practices & Measurement
Applied Engineering Technology 3 8401130			ETM 1010C Mechanical Measurement & Instrumentation—3 credits	MSSC Manufacturing Processes & Production
Advanced Applications in Technology 8601900			ETD 2368C Advanced Solidworks—3credits	CSWA Solidworks & Portfolio
			TOTAL ARTICULATED CREDITS: 3-12 CREDITS	

CLLUSTER: SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
<b>APPLIED ENGINEERING TECHNOLOGY 84401100</b>	N/A	N/A	<b>ENGINEERING TECHNOLOGY</b>	
Applied Engineering Technology 1 8401110			ETI 1701 Industrial Safety—3 credits	OSHA 30 Certification MSSC Safety
Applied Engineering Technology 2 8401120			ETD 1320C Introduction to AutoCAD—3 credits EGN 1111C Engineering Drawing—3 credits	Autodesk Certified User (AutoCAD) Portfolio MSSC Quality Practices & Measurement
Applied Engineering Technology 3 8401130			Upon Program Completion: ETM 1010C Mechanical Measurement & Instrumentation—3 credits ETI 1110 Quality—3 credits ETI 1701 Industrial Safety—3 credits EET 1084 Introduction to Electronics—3 credits ETI 1420C Manufacturing & Materials Processes—3 credits	MSSC Manufacturing Processes & Production MSSC Maintenance Awareness SolidWorks CSWA or AutoCAD User or Inventor User or Revit User MasterCAM RECFN001 Pre-Engineering RECFN002 Robotics
Advanced Applications in Technology 8601900			ETD 2368C Advanced Solidworks—3credits	CSWA Solidworks & Portfolio
8601800 Work Based Experience				
			<b>TOTAL ARTICULATED CREDITS: 3-24 CREDITS</b>	

CLUSTER: SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS				
SECONDARY PROGRAM	TECHNICAL CENTER PROGRAM	OCP	SCF-MANATEE, SARASOTA	ASSESSMENTS
ELECTRONICS TECHNOLOGY 8600900			ENGINEERING TECHNOLOGY	ASSESSMENTS
Electronics Technology 1 8600910			CGS1000 Computer Info Systems—3 credits	
Electronics Technology 2 8600920				
Electronics Technology 3 8600930			BCN1251C Construction Drafting OR EGN1111C Engineering Drawing OR ETD1320C Intro to CAD OR ETD 1390 C Autodesk Revit OR ETD 2364 C Solidworks (up to 11 credits)	
Advanced Applications in Technology 8601900				
Work Based Experience 8601800			ETM 1010 C Mechanical Measurements & Instrumentation--3 credits	

CLUSTER: SCIENCE TECHNOLOGY AND ENGINEERING MATHEMATICS				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
ENGINEERING PATHWAYS 940030	N/A	N/A	ENGINEERING TECHNOLOGY	
8600550 Introduction to Engineering				
8600520 Principles of Engineering				
8600530 Digital Electronics			*ETD 1390C Autodesk Revit – 3 credit hours	Autodesk Revit
8600560 Computer Integrated Manufacturing or 8600590 Civil Engineering & Architecture or 8600620 Aerospace Technology or 8600630 Biotechnical Engineering			*ETD 1320C Introduction to AutoCAD –3credits	Autodesk Inventor
8600650 Engineering Design & Development				
			TOTAL ARTICULATED CREDITS: 6 CREDITS	

CLUSTER: SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS				
SECONDARY PROGRAM	TECHNICAL COLLEGE PROGRAM	OCP	STATE COLLEGE OF FLORIDA	ASSESSMENTS
APPLIED Robotics 9410100	N/A	N/A	ENGINEERING TECHNOLOGY	
Foundation of Robotics 9410110				OSHA 30 Certification
Robotic Design Essentials 9410120			*ETD 1320C Introduction to AutoCAD – 3credits	Autodesk Inventor CSWA Solidworks
Applied Engineering Technology 3 8401130				RECFN001 Pre-Engineering or RECFN002 Robotics
			*ETD 2368C Advanced Solidworks— 3credits	CSWA Solidworks & Portfolio
			<b>TOTAL ARTICULATED CREDITS: 6 CREDITS</b>	

**BOARD APPROVALS**

**STATE COLLEGE OF FLORIDA**

**MANATEE-SARASOTA**

 4/19/17  
\_\_\_\_\_  
Dr. Carol Probstfeld, President Date

  
\_\_\_\_\_  
M. Rick Hager, Chair, Board of Trustees Date



THE SCHOOL BOARD OF  
MANATEE COUNTY

  
\_\_\_\_\_  
Dr. Dianna Green, Superintendent of Schools  
Manatee County

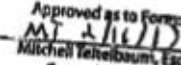
3-16-17

Date

  
\_\_\_\_\_  
Charles Kennedy, Chair, School Board of Manatee  
County

3/15/17

Date

Approved as to form:  
  
Mitchell Teitelbaum, Esq.  
General Counsel

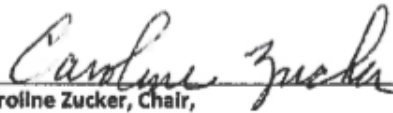
  
2/2/2017

**THE SCHOOL BOARD OF  
SARASOTA COUNTY**



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**Dr. Todd Bowden, Superintendent of Schools  
Sarasota County**



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**Caroline Zucker, Chair,  
School Board of Sarasota County**

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Approved for Legal Content,  
April 3, 2017, by Matthews Eastmoore,  
Attorneys for The School Board  
of Sarasota County, Florida  
Signed: ASH