



# Innovation High

**SANTA ROSA DISTRICT SCHOOLS**

# Our Mission

- ▶ Utilize a career themed approach to talent development and college and career readiness that simultaneously meets the needs of our students and industry in Northwest Florida.
- ▶ Nurture innovation through Science, Technology, Engineering and Math (STEM); prepare students for high-skill, high-wage employment opportunities and those postsecondary college and career training opportunities available after graduation; and supply the talent needed to elevate our regional workforce.

# Student Benefits:

- ▶ Academic rigor
- ▶ Career exploration with multiple pathways for success
- ▶ Flexible choice programs
- ▶ Innovation, problem solving and collaboration
- ▶ Learning environments centered around real world problems provided by local business/industry
- ▶ Industry certification opportunities
- ▶ Industry involvement in the classroom setting
- ▶ Various options for transitioning to higher education

# Community Benefits:

- ▶ Graduates ready for Science, Technology, Engineering and Math postsecondary pathways/employment
- ▶ Develop entrepreneurial talent for our region
- ▶ Collaborative approach to long-term talent supply needs

# Community Benefits (cont'd):

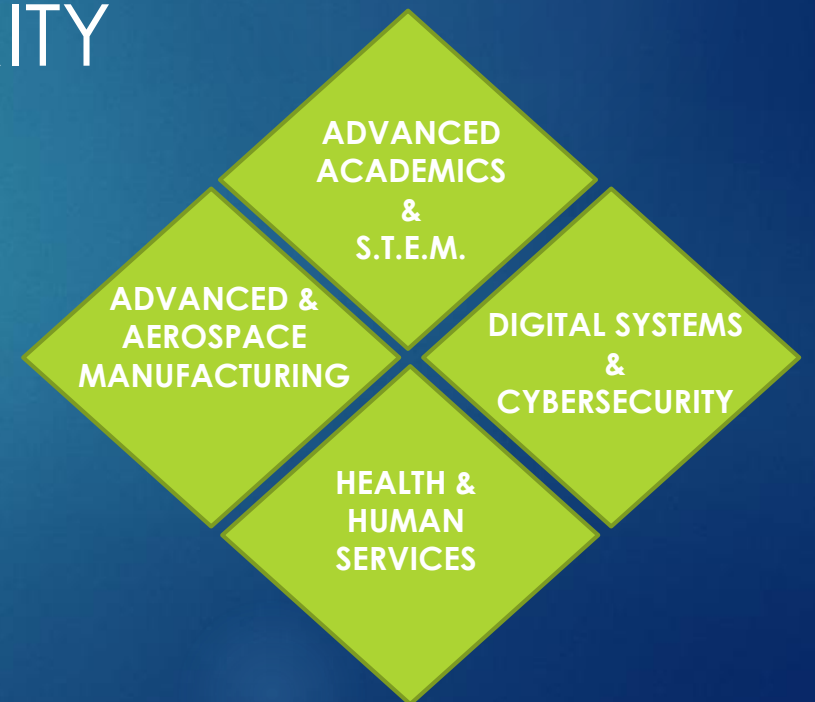
- ▶ Address critical workforce needs
- ▶ Contribute to a diverse and vibrant regional economy
- ▶ Responsiveness to needs of large employers looking to expand or relocate to our region
- ▶ Strengthen our region's competitiveness

# DIFFERENCES vs. traditional high school

- ▶ Career pathway selection for every student
- ▶ Small learning communities
- ▶ Curriculum infused with real problems from business and industry
- ▶ Project based learning focused on problem solving, collaboration and communication
- ▶ Innovative teaching methods centered around Science, Technology, Engineering and Mathematics
- ▶ Internship opportunities for all students

# 3 IN DEMAND CAREER CLUSTERS


- ▶ ADVANCED & AEROSPACE MANUFACTURING
- ▶ DIGITAL SYSTEMS & CYBERSECURITY
- ▶ HEALTH AND HUMAN SERVICES





# ADVANCED & AEROSPACE MANUFACTURING

- ▶ ADVANCED MANUFACTURING
- ▶ AEROSPACE TECHNOLOGIES
- ▶ ENGINEERING PATHWAYS



<b>Career Cluster:</b> Manufacturing				<b>CTE Program:</b> Advanced Manufacturing Technology				
<b>Career Cluster Pathway:</b> Manufacturing Production Process				<b>Industry Certification:</b> MSSC-Certified Production Technician, Certified SolidWorks Associate, CNC Production Specialist - IHK				
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL	<ul style="list-style-type: none"> <li>Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a>.</li> <li>Students are encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>							
	9 <sup>th</sup>	English 1/ English 1 Honors	Algebra 1/ Algebra 1 Honors	Biology 1/ Biology 1Honors	World History/ A.P. World History	HOPE	Advanced Manufacturing 1	Digital Information Technology
	10 <sup>th</sup>	English 2/ English 2 Honors	Geometry/ Geometry Honors	Chemistry/ Chemistry Honors with Lab	Psychology/ A.P. Psychology	Fine Arts Elective	Advanced Manufacturing 2	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	11 <sup>th</sup>	ENC1101 / 1102 Dual Enrollment or AP English Lit/Comp	Algebra 2/ Algebra 2 Honors	Physics/ Physic Honors w/Lab	U.S. History/ U.S. History Honors	Other elective course appropriate for student's career & education plan	Advanced Manufacturing 3	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	12 <sup>th</sup>	Met English Requirements Other Elective	Math Choice Or Industry Certification	Science Choice or Industry Certification	.5 U.S. Government .5 Economics with Financial Literacy	OJT or Dual Enrollment	Advanced Manufacturing 4	Advanced Manufacturing Capstone or other elective
MIDDLE	<b>Middle School Academy Feeder</b>							
	King Middle School - Manufacturing Academy							
POSTSECONDARY	<b>Postsecondary Opportunities</b>							
	<b>TECH CENTER PROGRAMS</b>		<b>COMMUNITY COLLEGE PROGRAM</b>			<b>UNIVERSITY PROGRAM</b>		
	Applied Welding Technology (PSAV) or Electrical & Instrumentation Technology (PSAV) at Locklin Tech		Manufacturing Technology, A.S. Degree Pensacola State College			Engineering Technology, BS Degree University of West Florida		
CAREER	<b>Career Opportunities</b>							
	Assembler, Designer, Fabricator, Welder		Process Control Technician, Industrial Maintenance, Operations Manager, Machinist			Electrical Engineer, Systems Engineer, Systems Software Developer		
CREDIT	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	<b>Secondary to Technical Center (PSAV)</b> (Minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS/BS/BAS</b> (Statewide and other local agreements may be included here)		
	200 Clock Hours towards a PSAV CCC in Electrical and Instrumentation Technology 1 to an Automation & Production Technology program completer at Locklin Technical Center		9 credit hours towards the Manufacturing Technology (AS) with MSSC CPT certification			B.S. Computer Science B.S. Electrical Engineering B.S. Mechanical Engineering at University of West Florida		
<b>Career and Technical Student Association</b>								
SkillsUSA								
<b>Internship/Work Experience Recommendations</b>								
Internship hours recommended with local manufacturer members of the Northwest Florida Manufacturer's Council								


Career Cluster: Engineering & Technology Education				CTE Program: Aerospace Technologies				
Career Cluster Pathway: PLTW Engineering				Industry Certification: FES PLTW Engineering, Autodesk Certified User-Inventor				
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL	<ul style="list-style-type: none"> <li>Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a>.</li> <li>Students are encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>							
	9 <sup>th</sup>	English 1/ English 1 Honors	Algebra 1/ Algebra 1 Honors	Biology 1/ Biology 1Honors	World History/ A.P. World History	HOPE	Principals of Engineering	Elective appropriate for student's career and education plan
	10 <sup>th</sup>	English 2/ English 2 Honors	Geometry/ Geometry Honors	Chemistry/ Chemistry Honors with Lab	Psychology/ A.P. Psychology	Fine Arts Elective	Aerospace Technologies I	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	11 <sup>th</sup>	ENC1101 / 1102 Dual Enrollment or AP English Lit/Comp	Algebra 2/ Algebra 2 Honors	Physics/ Physic Honors w/Lab	U.S. History/ U.S. History Honors	Other elective course appropriate for student's career & education plan	Aerospace Technologies II	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	12 <sup>th</sup>	Met English Requirements Other Elective	Math Choice Or Industry Certification	Science Choice or Industry Certification	.5 U.S. Government .5 Economics with Financial Literacy	OJT or Dual Enrollment	Aerospace Technologies III	DCT/OJT
POSTSECONDARY	<b>Postsecondary Opportunities</b>							
	<b>TECH CENTER PROGRAMS</b>		<b>COMMUNITY COLLEGE PROGRAM</b>			<b>UNIVERSITY PROGRAM</b>		
	Electrical & Instrumentation Technology		Mechanical Design and Fabrication, A.A.S./Mechanical Designer Programmer, C.T. Pensacola State College			Pre-Engineering, A.A./ Engineering Technology, B.S. University of West Florida		
CAREER	<b>Career Opportunities</b>							
	Tester, Sorter, First Line Supervisor		Civil Engineer Technician, Electrical Engineer Technician, Electronic Engineer Technician			Professional Engineer, Engineering Faculty Positions, Research and Development Engineers		
CREDIT	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	<b>Secondary to Technical Center (PSAV)</b>		<b>Secondary to College Credit Certificate or Degree</b>			<b>PSAV/PSV to AAS or AS/BS/BAS</b>		
	Aviation Maintenance at George Stone Technical Center		A.S. Aeronautics at Embry Riddle University A.S. Industrial Management at Pensacola State College			B.S. Aerospace Engineering at Embry Riddle University B.S. Mechanical Engineering at University of West Florida		
<b>Career and Technical Student Association</b>								
SkillsUSA								
<b>Internship/Work Experience Recommendations</b>								
Internship hours and/or job shadowing								


Career Cluster: Engineering & Technology Education				CTE Program: Engineering Pathways				
Career Cluster Pathway: PLTW Engineering				Industry Certification: FES PLTW Engineering, Autodesk Certified User-Inventor				
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL	<ul style="list-style-type: none"> <li>Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a>.</li> <li>Students are encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>							
	9 <sup>th</sup>	English 1/ English 1 Honors	Algebra 1/ Algebra 1 Honors	Biology 1/ Biology 1 Honors	World History/ A.P. World History	HOPE	Introduction to Engineering Design	Elective appropriate for student's career and education plan
	10 <sup>th</sup>	English 2/ English 2 Honors	Geometry/ Geometry Honors	Chemistry/ Chemistry Honors with Lab	Psychology/ A.P. Psychology	Fine Arts Elective	Principals of Engineering	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	11 <sup>th</sup>	ENC1101 / 1102 Dual Enrollment or AP English Lit/Comp	Algebra 2/ Algebra 2 Honors	Physics/ Physic Honors w/Lab	U.S. History/ U.S. History Honors	Other elective course appropriate for student's career & education plan	Digital Electronics; Aerospace Engineering; Biotechnical Engineering	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	12 <sup>th</sup>	Met English Requirements Other Elective	Math Choice Or Industry Certification	Science Choice or Industry Certification	.5 U.S. Government .5 Economics with Financial Literacy	OJT or Dual Enrollment	Engineering Design and Development	DCT/OJT
POSTSECONDARY	<b>Postsecondary Opportunities</b>							
	<b>TECH CENTER PROGRAMS</b>		<b>COMMUNITY COLLEGE PROGRAM</b>			<b>UNIVERSITY PROGRAM</b>		
	Electrical, HVAC, Welding, Automotive, Electrical & Instrumentation Technology Locklin Tech		Mechanical Design and Fabrication, A.A.S. Mechanical Designer Programmer, C.T. Pensacola State College			Pre-Engineering, A.A. Engineering Technology, B.S. University of West Florida		
CAREER	<b>Career Opportunities</b>							
	Civil Engineer Technician, Electrical Engineer Technician, Electronic Engineer Technician, Professional Engineer, Engineering Faculty Positions, Research and Development Engineers							
CREDIT	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	<b>Secondary to Technical Center (PSAV)</b> (Minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS/BS/BAS</b> (Statewide and other local agreements may be included here)		
	Electrical & Instrumentation Technology at Locklin Tech		Mechanical Design and Fabrication, A.A.S. Mechanical Designer Programmer, C.T. Pensacola State College			Engineering Technology, B.S. University of West Florida		
<b>Career and Technical Student Association</b>								
SkillsUSA								
<b>Internship/Work Experience Recommendations</b>								
Internship hours and/or job shadowing								


# DIGITAL SYSTEMS & CYBERSECURITY



- ▶ APPLIED CYBERSECURITY
- ▶ APP DEVELOPMENT
- ▶ COMPUTER SYSTEMS & INFORMATION TECHNOLOGY

Career Cluster: Information Technology				CTE Program: Applied Cybersecurity				
Career Cluster Pathway: Network Systems				Industry Certification: Microsoft Office Specialist (MOS)				
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL	<ul style="list-style-type: none"> <li>Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a>.</li> <li>Students are encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>							
	9 <sup>th</sup>	English 1/ English 1 Honors	Algebra 1/ Algebra 1 Honors	Biology 1/ Biology 1 Honors	World History/ A.P. World History	HOPE	Computer & Network Security Fundamentals	Digital Information Technology
	10 <sup>th</sup>	English 2/ English 2 Honors	Geometry/ Geometry Honors	Chemistry/ Chemistry Honors with Lab	Psychology/ A.P. Psychology	Fine Arts Elective	Cybersecurity Essentials	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	11 <sup>th</sup>	ENC1101 / 1102 Dual Enrollment or AP English Lit/Comp	Algebra 2/ Algebra 2 Honors	Physics/ Physic Honors w/Lab	U.S. History/ U.S. History Honors	Other elective course appropriate for student's career & education plan	Operational Cybersecurity	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	12 <sup>th</sup>	Met English Requirements Other Elective	Math Choice Or Industry Certification	Science Choice or Industry Certification	.5 U.S. Government .5 Economics with Financial Literacy	OJT or Dual Enrollment	Cybersecurity Planning & Analysis	DCT/OJT
MIDDLE	<b>Middle School Academy Feeder</b> Avalon, Central, Gulf Breeze, Hobbs, Holley Navarre, King, Sims and Woodlawn Beach Middle School's Microsoft I.T. Academy							
POSTSECONDARY	<b>Postsecondary Opportunities</b>							
	<b>TECH CENTER PROGRAMS</b>		<b>COMMUNITY COLLEGE PROGRAM</b>			<b>UNIVERSITY PROGRAM</b>		
	Applied Cybersecurity (PSAV) at Locklin Tech		Computer Programming and Analysis, A.S. Pensacola State College			Computer Engineering, B.S. Cybersecurity, M.S.A. University of West Florida		
CAREER	<b>Career Opportunities</b>							
	Data Entry Keyer, Inspector, Tester, Sorter, Sampler		Applications Software Developer, Computer Programmer, Computer Systems Analyst, Computer User Support Specialist			Engineer, Computer & Information Systems Manager, Systems Software Developer		
CREDIT	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	<b>Secondary to Technical Center (PSAV)</b> (Minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS/BS/BAS</b> (Statewide and other local agreements may be included here)		
	Computer Systems and Information Technology at Locklin Tech		Computer Information Systems, A.A. Computer Programming and Analysis, A.S. Pensacola State College			Computer Engineering, B.S. University of West Florida		
<b>Career and Technical Student Association</b>								
SkillsUSA								
<b>Internship/Work Experience Recommendations</b>								
Internship hours and/or job shadowing								


Career Cluster: Information Technology				CTE Program: App Development				
Career Cluster Pathway: Game, Simulation & Animation Programming				Industry Certification: Adobe-Flash, Photoshop, Illustrator, Dreamweaver, MTA HTML5, Software Development Fundamentals, Microsoft Office Specialist (MOS)				
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL	<ul style="list-style-type: none"> <li>Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a>.</li> <li>Students are encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>							
	9 <sup>th</sup>	English 1/ English 1 Honors	Algebra 1/ Algebra 1 Honors	Biology 1/ Biology 1 Honors	World History/ A.P. World History	HOPE	Game & Simulation Foundations	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	10 <sup>th</sup>	English 2/ English 2 Honors	Geometry/ Geometry Honors	Chemistry/ Chemistry Honors with Lab	Psychology/ A.P. Psychology	Fine Arts Elective	Game & Simulation Design	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	11 <sup>th</sup>	ENC1101 / 1102 Dual Enrollment or AP English Lit/Comp	Algebra 2/ Algebra 2 Honors	Physics/ Physic Honors w/Lab	U.S. History/ U.S. History Honors	Other elective course appropriate for student's career & education plan	Game & Simulation Programming	Digital Design
	12 <sup>th</sup>	Met English Requirements Other Elective	Math Choice Or Industry Certification	Science Choice or Industry Certification	.5 U.S. Government .5 Economics with Financial Literacy	OJT or Dual Enrollment	Multi-User Game & Simulation Programming	Digital Information Technology
MIDDLE	<b>Middle School Academy Feeder</b> Avalon, Central, Gulf Breeze, Hobbs, Holley Navarre, Jay, King, Sims and Woodlawn Beach Middle School's Microsoft I.T. Academy							
POSTSECONDARY	<b>Postsecondary Opportunities</b>							
	<b>TECH CENTER PROGRAMS</b> Computer Systems Technology Locklin Tech	<b>COMMUNITY COLLEGE PROGRAM</b> Computer Programming and Analysis, A.S. Computer Programming Technical Certificate Pensacola State College			<b>UNIVERSITY PROGRAM</b> Computer Science, B.S. Computer Information Systems, B.S. Software Engineering, B.S. University of West Florida			
CAREER	<b>Career Opportunities</b>							
	Game Tester	Game Simulation Designer, Game Programmer, Game Software Developer				Game Simulation Designer, Game Programmer, Game Software Developer		
CREDIT	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	<b>Secondary to Technical Center (PSAV)</b> (Minimum # of clock hours awarded) Applied Cybersecurity or Computer Systems Technology Locklin Tech	<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded) Computer Programming Technical Certificate Pensacola State College				<b>PSAV/PSV to AAS or AS/BS/BAS</b> (Statewide and other local agreements may be included here) Software Engineering, B.S. University of West Florida		
<b>Career and Technical Student Association</b>								
SkillsUSA								
<b>Internship/Work Experience Recommendations</b>								
Internship hours and/or job shadowing								


Career Cluster: Information Technology				CTE Program: Computer Systems & Information Technology (CSIT)				
Career Cluster Pathway: Network Systems				Industry Certification: Microsoft Office Specialist, CompTIA A+, Network +, Security +				
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL	<ul style="list-style-type: none"> <li>Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a>.</li> <li>Students are encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>							
	9th	English 1/ English 1 Honors	Algebra 1/ Algebra 1 Honors	Biology 1/ Biology 1 Honors A.P. Biology	World History/ A.P. World History	HOPE	CSIT Foundations	Digital Information Technology
	10th	English 2/ English 2 Honors	Geometry/ Geometry Honors	Chemistry/ Chemistry Honors w/Lab A.P. Chemistry	U.S. History/ U.S. History Honors A.P. U.S. History	Fine Arts Elective	CSIT Network Systems Configuration	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	11th	ENC1101 / 1102 Dual Enrollment or AP English Lit/Comp	Algebra 2/ Algebra 2 Honors	Physics/ Physics Honors w/Lab A.P. Physics	Psychology/ A.P. Psychology	Other elective course appropriate for student's career & education plan	CSIT Network Systems Design & Administration	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	12th	Met English Requirements Other Elective	Math Choice or Industry Certification	Science Choice or Industry Certification	.5 U.S. Government/ A.P. .5 Economics with Financial Literacy	OJT or Dual Enrollment	CSIT Cybersecurity Essentials	DCT/OJT
MIDDLE	<b>Middle School Academy Feeder</b> Avalon, Central, Gulf Breeze, Hobbs, Holley Navarre, Jay, King, Sims and Woodlawn Beach Middle School's Microsoft I.T. Academy							
POSTSECONDARY	<b>Postsecondary Opportunities</b>							
	<b>TECH CENTER PROGRAMS</b> Applied Cybersecurity (PSAV) at Locklin Tech	<b>COMMUNITY COLLEGE PROGRAM</b> Computer Information Systems, A.A. Computer Programming and Analysis, A.S. Pensacola State College				<b>UNIVERSITY PROGRAM</b> Computer Engineering, B.S. Computer Science (Specialization in Cybersecurity), B.S. Cybersecurity, M.S.A. University of West Florida		
CAREER	<b>Career Opportunities</b>							
	Computer Network Support Specialist	Network and Computer Systems Administrators				Information Security Analysts		
CREDIT	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	<b>Secondary to Technical Center (PSAV)</b> (Minimum # of clock hours awarded)	<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded)				<b>PSAV/PSV to AAS or AS/BS/BAS</b> (Statewide and other local agreements may be included here)		
	Computer Systems & I.T. Locklin Tech	Computer Information Systems, A.A. Pensacola State College				Computer Science, B.S. Cybersecurity, M.S.A. University of West Florida		
<b>Career and Technical Student Association</b>								
SkillsUSA								
<b>Internship/Work Experience Recommendations</b>								
Internship hours and/or job shadowing								


# HEALTH & HUMAN SERVICES

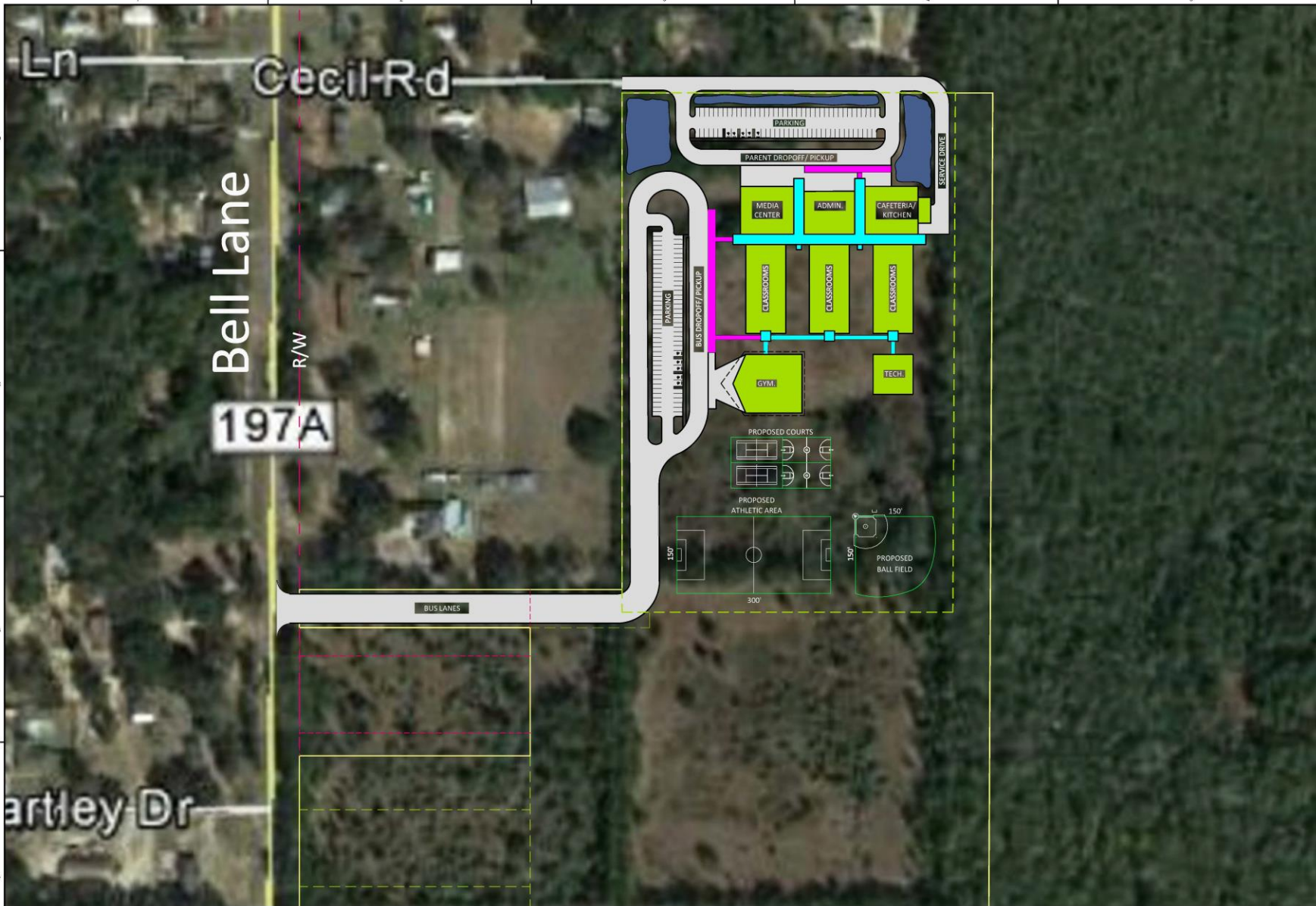
- ▶ BIOTECHNOLOGY
- ▶ EMERGENCY MEDICAL RESPONDER
- ▶ PRE-PROFESSIONAL HEALTH SCIENCE




Career Cluster: Manufacturing				CTE Program: Biotechnology				
Career Cluster Pathway: Manufacturing or Healthcare				Industry Certification: Biotechnician's Assistant				
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a> .								
<ul style="list-style-type: none"> <li>Students are encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>								
<b>HIGH SCHOOL</b>	9 <sup>th</sup>	English 1/ English 1 Honors	Algebra 1/ Algebra 1 Honors	Biology 1/ Biology 1Honors	World History/ A.P. World History	HOPE	Principals of Biotechnology	Digital Information Technology
	10 <sup>th</sup>	English 2/ English 2 Honors	Geometry/ Geometry Honors	Chemistry/ Chemistry Honors with Lab	Psychology/ A.P. Psychology	Fine Arts Elective	Biotechnology 1	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	11 <sup>th</sup>	ENC1101 / 1102 Dual Enrollment or AP English Lit/Comp	Algebra 2/ Algebra 2 Honors	Physics/ Physic Honors w/Lab	U.S. History/ U.S. History Honors	Other elective course appropriate for student's career & education plan	Biotechnology 2	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	12 <sup>th</sup>	Met English Requirements Other Elective	Math Choice Or Industry Certification	Science Choice or Industry Certification	.5 U.S. Government .5 Economics with Financial Literacy	OJT or Dual Enrollment	Biotechnology 3	Elective appropriate for student's career and education plan
<b>POSTSECONDARY</b>	<b>Postsecondary Opportunities</b>							
	<b>UNIVERSITY PROGRAMS</b>							
	University of West Florida, Chemistry B.S. University of Florida, Biotechnology B.S. Florida State University, Biomedical Engineering							
<b>CAREER</b>	<b>Career Opportunities</b>							
	Lab technician, food inspection technician, genomes technician, cell culture technician, quality assurance specialist, validation specialist, biochemist, biomedical engineer							
<b>CREDIT</b>	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded)							
	Florida's Gold Standard Career Pathways Statewide Articulation Agreement guarantees the minimum award of course credits or a block of credit toward an AAS/AS Biotechnology program is <b>3</b> hours of credit.							
<b>Career and Technical Student Association</b>								
SkillsUSA								
<b>Internship/Work Experience Recommendations</b>								
Internship hours and/or job shadowing								

Career Cluster: Health Science				CTE Program: Emergency Medical Responder				
Career Cluster Pathway: Health Care Industry				Industry Certification: Emergency Medical Responder, Emergency Medical Technician				
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL	<ul style="list-style-type: none"> <li>Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a>.</li> <li>Students are encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>							
	9 <sup>th</sup>	English 1/ English 1 Honors	Algebra 1/ Algebra 1 Honors	Biology 1/ Biology 1 Honors	World History/ A.P. World History	HOPE	Medical Skills and Services (elective)	Elective appropriate for student's career and education plan
	10 <sup>th</sup>	English 2/ English 2 Honors	Geometry/ Geometry Honors	Chemistry/ Chemistry Honors with Lab	Psychology/ A.P. Psychology	Fine Arts Elective	Health Science Anatomy & Physiology	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	11 <sup>th</sup>	ENC1101 / 1102 Dual Enrollment or AP English Lit/Comp	Algebra 2/ Algebra 2 Honors	Physics/ Physic Honors w/Lab	U.S. History/ U.S. History Honors	Other elective course appropriate for student's career & education plan	Health Science Foundations	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	12 <sup>th</sup>	Met English Requirements Other Elective	Math Choice Or Industry Certification	Science Choice or Industry Certification	.5 U.S. Government .5 Economics with Financial Literacy	OJT or Dual Enrollment	Emergency Medical Responder 3	DCT/OJT
POSTSECONDARY	<b>Postsecondary Opportunities</b>							
	TECH CENTER PROGRAMS		COMMUNITY COLLEGE PROGRAM			UNIVERSITY PROGRAM		
	Pre Nursing		Related Healthcare Programs, Pensacola State College			Health Degree Programs University of West Florida		
CAREER	<b>Career Opportunities</b>							
	Healthcare Support Worker, EMT, Ambulance Driver, Ambulance Attendant							
CREDIT	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded)							
	Florida's Gold Standard Career Pathways Statewide Articulation Agreement guarantees the minimum award of course credits or a block of credit toward the above AAS/AS program is 9 hours of credit.							
<b>Career and Technical Student Association</b>								
Health Occupations Students of America (HOSA)								
<b>Internship/Work Experience Recommendations</b>								
Clinical training senior year of high school								

Career Cluster: Health Science				CTE Program: Pre-Professional Health Science				
Career Cluster Pathway: Health Care Industry				Industry Certification: Certified Medical Administrative Assistant Certified Nursing Assistant, Emergency Medical Responder				
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL	<ul style="list-style-type: none"> <li>Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://mycareershines.org">mycareershines.org</a>.</li> <li>Students are encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements.</li> <li>One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program</li> </ul>							
	9 <sup>th</sup>	English 1/ English 1 Honors	Algebra 1/ Algebra 1 Honors	Biology 1/ Biology 1 Honors	World History/ A.P. World History	HOPE	Medical Skills and Services (elective)	Elective appropriate for student's career and education plan
	10 <sup>th</sup>	English 2/ English 2 Honors	Geometry/ Geometry Honors	Chemistry/ Chemistry Honors with Lab	Psychology/ A.P. Psychology	Fine Arts Elective	Health Science Anatomy & Physiology A.P. A. & P.	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	11 <sup>th</sup>	ENC1101 / 1102 Dual Enrollment or AP English Lit/Comp	Algebra 2/ Algebra 2 Honors	Physics/ Physic Honors w/Lab	U.S. History/ U.S. History Honors	Other elective course appropriate for student's career & education plan	Health Science Foundations	Foreign Language for SUS admission or other elective appropriate for student's career & education plan
	12 <sup>th</sup>	Met English Requirements Other Elective	Math Choice Or Industry Certification	Science Choice or Industry Certification	.5 U.S. Government .5 Economics with Financial Literacy	OJT or Dual Enrollment	Allied Health Assisting	DCT/OJT
POSTSECONDARY	<b>Postsecondary Opportunities</b>							
	<b>TECH CENTER PROGRAMS</b>		<b>COMMUNITY COLLEGE PROGRAM</b>			<b>UNIVERSITY PROGRAM</b>		
	Any related Healthcare Program		Any related Healthcare Program Pensacola State College			Any related Healthcare Program University of West Florida		
CAREER	<b>Career Opportunities</b>							
	Healthcare Support Workers, Pharmacy Tech, CAN, LPN, EMT		RN, LPN, Radiology, Pharmacy Tech, PTA, OTA, Ultrasound, etc.			Any related Healthcare Program of Study		
CREDIT	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	<b>Secondary to Technical Center (PSAV)</b> (Minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS/BS/BAS</b> (Statewide and other local agreements may be included here)		
	CNA, LPN and Pharmacy Technician at Locklin Tech		CNA, LPN, B.S. Nursing, B.A.S. Healthcare Management at Pensacola State College			B.S. Clinical Lab Sciences, Master of Public Health Doctor of Physical Therapy University of West Florida		
<b>Career and Technical Student Association</b>								
Health Occupations Students of America (HOSA)								
<b>Internship/Work Experience Recommendations</b>								
Clinical training senior year of high school								





DAG ARCHITECTS INC.  
 45TH HARBORVIEW AVE., PANAMA CITY, FL 32381  
 TEL: (904) 962-1488  
 FAX: (904) 962-1488

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**Santa Rosa County School District**  
**High School Study**  
 Bell Lane  
 Milton, FL

Revision		
Date	No.	Description

Drawn By: pcb  
 Checked By:  
 Date: 5/10/17  
 Project No.: 1700\*  
 Drawing Title: SITE PLAN STUDY HS

Drawing No.: **S101**

**SITE PLAN STUDY HIGH SCHOOL - OPT. B**

  
NORTH  
SCALE 1:100

# BUSINESS/INDUSTRY PARTNERS



- ▶ AppRiver
- ▶ Ascend Performance Materials
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- ▶ Northwest Florida Manufacturer's Council
- ▶ Santa Rosa Economic Development
- ▶ University of West Florida



# Tim Wyrosdick, Superintendent

5086 CANAL STREET  
MILTON, FL 32570

WYROSDICKT@SANTAROSA.K12.FL.US

850-983-5000