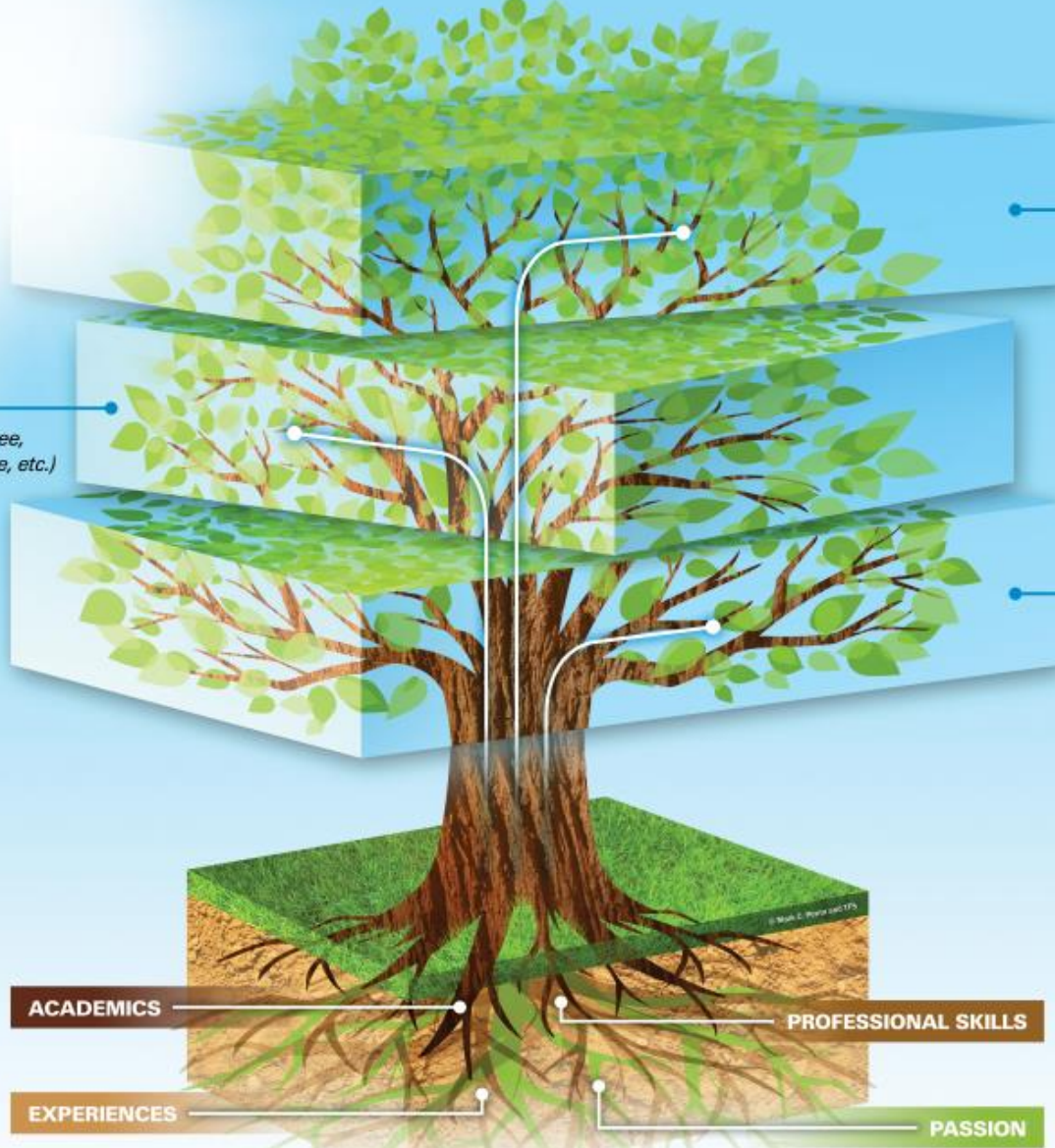




TECHNICAL CAREERS

(Apprenticeship, Associate's Degree, Advanced Certification, Experience, etc.)

- Cybersecurity Specialist
- Software Application Developer
- Help Desk Specialist (Level 2)
- Systems Administrator/Technician
- Java Developer
- Medical Records & Health Information Technician
- Web Developer
- Systems Engineer
- Cloud Architect/Engineer
- Electronics Engineering Technician
- Field Service Technician
- Network Technician



PROFESSIONAL CAREERS

(Bachelor's, Master's, Ph.D., Specialized Training, Experience, etc.)

- Software Developer/Engineer
- Software/Game Developer
- Cyber Security Analyst/Engineer
- Computer Forensics
- Network Engineer
- Web Developer
- Database Security Expert
- Computer & Information Research Scientist
- Artificial Intelligence Specialist
- Computer Programmer
- Database Architect
- IT Educator

ENTRY-LEVEL CAREERS

(with Program Completion)

- Customer Service Representative
- Data Entry Specialist
- IT Support Technician
- Software Tester
- Broadband Installer
- Computer Support Intern
- Computer Hardware Technician
- Network Technician (Level 1)
- User Support Specialist
- Database Administration Associate
- A/V Specialist
- Desktop Publisher

INFORMATION TECHNOLOGY



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Information Technology

Entry-level Pathway, meets FNSBSD graduation requirements

9 th		10 th		11 th		12 th		Next Steps
	English 9	English 10	English 10	American Lit	English Elective	Literature	Professional Writ	Data Entry Specialist IT Support Technician Broadband Installer Computer Support Technician Desktop Publisher
Earth Science	Earth Science	Biology	Biology	Science Elect	Science Elect	<i>Open Elective</i>	<i>Open Elective</i>	
Alg. 1.1/Alg I	Alg 1.2/Alg I	Alg 1.3 or Geometry	Alg 1.4 or Geometry	Math Elect	Math Elective	<i>Open Elective</i>	<i>Open Elective</i>	
Alaska Studies	Health	World Hist.	World Hist.	US History	US History	Government	Economics	
PE	PE	PE	<i>Open Elect.</i>	<i>Open Elect.</i>	<i>Open Elective</i>	<i>Open Elective</i>	<i>Open Elective</i>	
CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	

Technical Pathway, meets FNSBSD graduation requirements and APS minimum course requirements

9 th		10 th		11 th		12 th		UAF CTC UAA CTC AVTECH UAS
English 9	English 9	English 10	English 10	American Lit	English Elective	Literature	Professional Writ	
Earth Science	Earth Science	Biology	Biology	Chemistry	Chemistry	Science Elective	Science Elective	
Algebra I**	Algebra I**	Geometry**	Geometry**	Algebra II**	Algebra II**	Math Elective**	Math Elective**	
Alaska Studies	SS Elective	World Hist.	World Hist.	US History	US History	Government	Economics	
PE	PE	PE	<i>Open Elect.</i>	<i>Open Elect.</i>	<i>Open Elective</i>	<i>Open Elective</i>	<i>Open Elective</i>	
CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	

Professional Pathway, meets FNSBSD graduation requirements and APS minimum course requirements

9 th		10 th		11 th		12 th		UAF CTC UAA CTC UAS
English 9	English 9	English 10	English 10	American Lit	English Elective	Literature	Professional Writ	
Biology	Biology	Chemistry	Chemistry	Physics	Physics	Science Elective	Science Elective	
Algebra I	Algebra I	Geometry	Geometry	Algebra II	Algebra II	Math Elective	Math Elective	
Alaska Studies	SS Elective	World Hist.	World Hist.	US History	US History	Government	Economics	
PE	PE	PE	<i>Open Elect.</i>	<i>Open Elect.</i>	<i>Open Elective</i>	<i>Open Elective</i>	<i>Open Elective</i>	
CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	CTE Course	

CTE Courses, Information Technology (Courses may vary at each high school)

Foundation Courses	Pathway Courses	Pathway Courses	Capstone Courses	Dual Credit
Intro to Information Technology Careers and Employability	IT Essentials Hardware & Software IT Essential Operating Systems	Computer Networking Web Design	Mobile Apps Computer Networking Internship	UAF CTC

**Alg 1.1/Alg 1.2 Alg 1.3/Alg 1.4 Geometry/Geometry Algebra II/Algebra II *Taught off-site