

CAREER PATHWAYS GUIDE

YOUR GUIDE FOR THRIVING IN HIGH SCHOOL AND BEYOND!











Forest Lake Area Schools



CAREER PATHWAYS OFFERED AT FLAHS: DEVELOPING YOUR SKILLS AND PR

CLASS OF 2028 & BEYOND GRADUATION REQUIREMENTS: THESE COURSES GENERALLY NEED TO BE TAKEN IN THE ORDER LISTED BELOW.		
LANGUAGE ARTS (4.0 CREDITS)	English 9, English 10, English 11, Speaking Course, English Elective	
SCIENCE (3.0 CREDITS)	Earth and Space, Chemistry or Physics, and Biology	
MATH (3.0 CREDITS)	Algebra 9, Geometry, Algebra II	
SOCIAL STUDIES (3.0 CREDITS)	Geography, World History, U.S. History, Citizenship & Government	
PHY. ED./HEALTH (1.5)	Phy. Ed. 9, Phy Ed. 10, Health	
THE ARTS (1.0)	Music**, Theatre Arts, and Visual Arts	
ECONOMICS (.5)	Economics (variety of choices)	
PERSONAL FINANCE (.5)	Personal Finance	
ELECTIVES (9.5)	Your choice of courses that support your interests and goals	
TOTAL REQUIRED CREDITS	26	

AGRICULTURE, FOOD, AND NATURAL RESOURCES (p. 11-12)

- Animal Systems
- Agribusiness Systems
- Environmental Service Systems
- Food Products and Processing Systems
- Natural Resources Systems
- Plant Systems
- Power, Structural and Technical Systems

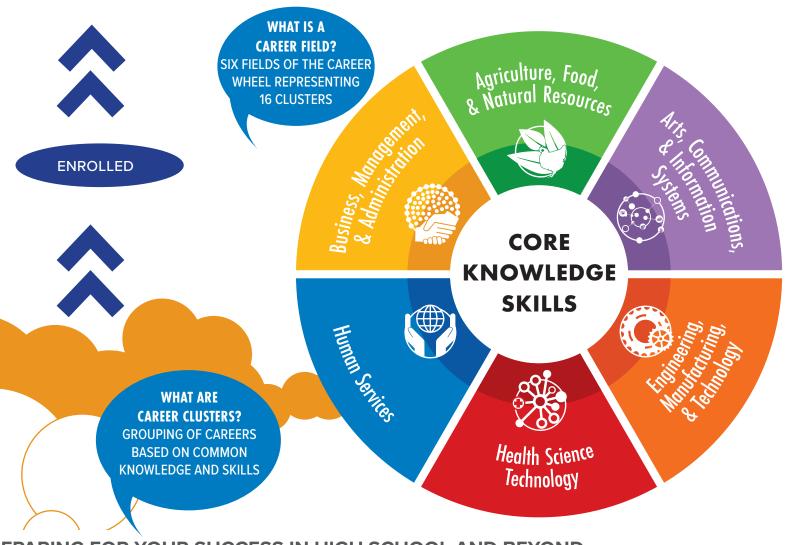
ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATION (p. 13)

- · Audio/Video Technology and Film
- · Journalism and Broadcasting
- Performing Arts
- Printing Technology
- Communication Technology
- Visual Arts

INFORMATION TECHNOLOGY (p. 14)

- Information Support and Services
- Network Systems Programming and Software Development
- Web and Digital Communications

^{*}Class of 2026, 2027: See the registration web page..**Does not include music theory or guitar. AP courses are offered for many course requirements.



EPARING FOR YOUR SUCCESS IN HIGH SCHOOL AND BEYOND

ARCHITECTURE AND CONSTRUCTION (p. 15)

- Construction
- Design/Pre-construction
- Maintenance/Operations

MANUFACTURING (p. 16)

- Production
- Manufacturing Production
- Process Development
- Maintenance, Installation and Repair
- Quality Assurance
- Logistics and Inventory Control
- · Health, Safety and Environmental Assurance

TRANSPORTATION AND LOGISTICS (AUTOMOTIVE) (p. 16)

- Equipment Maintenance
- · Logistics Planning and Management
- Sales and Services
- Transportation Systems

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (p. 17)

- Engineering and Technology
- Science and Mathematics

HEALTH SCIENCE (p. 18)

- Biotechnology Research and Development
- Diagnostic Services
- Health Informatics
- Therapeutic Services

EDUCATION AND TRAINING (p. 19)

- Administration and Administrative Support ADMINISTRATION (p. 21)
- Professional Support Services
- Teaching/Training

HUMAN SERVICES (p. 19)

- · Counseling and Mental Health
- Early Childhood Services
- Consumer Services
- Family and Community Services
- Personal Care Services

LAW, PUBLIC SAFETY, AND CORRECTIONS (p. 20)

- Emergency and Fire Services
- Law Enforcement
- Legal Services
- Security

GOVERNMENT AND PUBLIC ADMINISTRATION (p. 20)

- Revenue and Taxation
- Foreign Service
- Governance
- Public Administration

BUSINESS, MANAGEMENT AND

- Administrative Support
- Operations Management
- Business Information Management
- Human Resources Management
- General Management

HOSPITALITY AND TOURISM (p. 21)

- Lodging
- · Recreation, Amusements, and Attractions
- Restaurants and Food/Beverage Services

FINANCE (p. 22)

- Banking Services
- Business Finance
- · Securities and Investment
- Accounting
- Insurance

MARKETING (p. 22)

- Merchandising
- Marketing Management
- Marketing Communications
- · Marketing Research
- Professional Sales

EMPLOYABILITY SKILLS: DEVELOPING THE SKILLS EVERYONE NEEDS.

Skills critical for success in apprenticeship, college, military, or work and valuable to your well-being.

ADAPTABILITY



CAN YOU?

Manage and adjust to changing situations/responsibilities

Collaborate and respond to the strengths and needs of others in small and large group settings



COMMUNICATION

CAN YOU?

Effectively use verbal, oral, and visual communication

Convincingly express ideas and messages

INDEPENDENCE

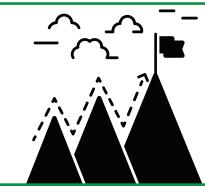
CAN YOU?

Meet expectations with minimal supervision

Set personal goals

and seek out resources to achieve them

PERSEVERANCE



CAN YOU?

Demonstrate endurance and capacity to complete tasks

Exhibit initiative, grit, and self control

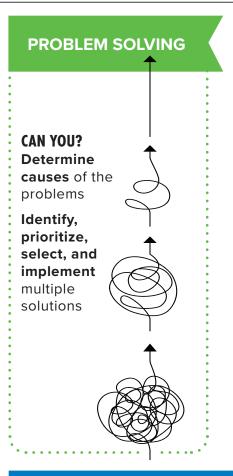
CRITICAL THINKING

CAN YOU?

Think analytically and creatively when solving problems and accomplishing tasks

Gather multiple perspectives and make informed decisions









CAN YOU? Plan and organize short and long-term goals Manage and adjust to changing situations and responsibilities

PROFESSIONALISM

CAN YOU?

Exemplify appropriate skills and behaviors at school and work

Be socially aware and ethically responsible when managing challenging school and work environments



PATHWAY TO SUCCESS





PATHWAY COURSES

RANGER U

College Credit

RANGER U + C

CTE

(Career Technical Education)

- RANGER C
 - C

Certifications

- Earn free college credit
- · Challenge yourself
- · Prove yourself to colleges
- Over 40 courses at FLAHS
- Hands on experiences
- · Develop technical skills
- Increase high school enjoyment
- Over 80 courses at FLAHS
- · Earn industry recognized credential
- Enhance your resume
- · Increase your employability
- Over 15 certifications at FLAHS

HOW TO FULFILL YOUR COLLEGE "GENERALS" IN HIGH SCHOOL:

(BASED ON THE MN TRANSFER CURRICULUM)

COLLEGE GENERAL EDUCATION REQUIREMENTS	RANGER U COURSE
Communication	AP Language and Composition, CIS University, CIS Public Speaking
Natural Sciences	AP Environmental Science, AP Biology, AP Chemistry, and/or AP Physics
Mathematics	AP Precalc, AP Calc I, AP Calc II, AP Stats, or CIS Algebra
History/Social/Behavioral Sciences	AP Microeconomics, AP Human Geography, AP World History, AP U.S. History, AP Psychology
Humanities/Fine Arts	AP Music Theory, Ranger U World Language courses, and/or CIS Literature
Themed Goals 1. Human Diversity 2. Global Perspectives 3. Ethical/Civic Responsibility 4. People and the Environment	Potential Courses 1. AP U.S. History 2. Ranger U World Language, AP Human Geography, AP World History 3. CIS Public Speaking 4. AP Environmental Science

Earn college credit and credentials for free at Forest Lake Area High School



Look for the (**U**) by classes in your pathway.

WHAT YOU NEED TO KNOW ABOUT EARNING COLLEGE CREDIT.

AΡ

- Most transferable
- Strong teacher/staff support
- Must take a test to earn credit
- Class is valuable without the test
- Search college name + AP credit to check transferability

CONCURRENT COURSES

- Transferability depends on program of study and college
- Strong teacher/staff support
- Credit earned if you earn
 C- or higher
- Use transferology.com to check transferability

PSEO

- Transferability depends on program of study and college
- Teacher support varies greatly
- Credit earned if you earn
 C- or higher
- Use transferology.com to check transferability

GIVE YOUR GPA A BOOST!

WEIGHTED GRADE VALUES FOR RANGER UNIVERSITY CLASSES		
GRADE	NON-WEIGHTED GRADE VALUE	WEIGHTED GRADE VALUE
A	4.0	5.0
A-	3.7	4.625
B+	3.3	4.125
В	3.0	3.75
B-	2.7	3.375
C+	2.3	2.875
С	2.0	2.5
C-	1.7	2.125
D+	1.3	1.625
D	1.0	1.25
D-	.7	.875

ARE YOU A CAREER PATHWAY CONCENTRATOR?

SOMEONE WHO TAKES
3 OR MORE COURSES IN
A PATHWAY

RANGER CERTIFICATION NOUSTRY RECOGNIZED

Look for the (C) by classes in your pathway.

WHAT YOU NEED TO KNOW ABOUT EARNING CERTIFICATIONS.

AVAILABLE CERTIFICATIONS:

Agriculture: Veterinary Assistant, Advanced Hunter

Art: Adobe Photoshop, Illustrator, InDesign

Business: Microsoft Office Specialist, IC3, Business Essentials

FACS: ServSafe, ProStart
Healthcare: CNA, EMR, EMT
Career Launch: OSHA-10

PhyEd: Personal Trainer & Group Fitness Instructor Certificate

PROCESS:

- Students prepare for the test through course content.
- Students register to take the certification test through ParentVue.
- May receive college credit for "prior learning". Ask your college.

BEGIN WITH THE END IN MIND. - STEPHEN COVEY

Use backwards design to plan for your future goals.



200 ELECTIVE CHOICES ACROSS ALL DEPARTMENTS

FINDING YOUR PATH

"COST OF LIVING FOR A SINGLE PERSON IN WASHINGTON COUNTY = \$37,080''

Source: mn.gov/deed/data/ (2023)

2024 **HOURLY WAGE RANGES FOR JOBS IN TWIN CITIES METRO BY TYPICAL EDUCATION** REQUIREMENTS

Source: DEED Occupational **Employment Statistics and** Educational Requirements, 2024

Use the following three pages (8-10) to help make decisions about your career goals, your educational and/or training goals, and your personal or lifestyle goals.



DO YOUR EDUCATION AND CAREER GOALS/CHOICES **PROVIDE YOU FINANCIAL** STABILITY?

FLAHS GRADUATES Source: SLEDS (2024) WHO WANT FLAHS GRADS TO OBTAIN A (2019)**CERTIFICATE OR** WHO HAVE DEGREE. **EARNED A**

CERTIFICATE OR DEGREE

IN 4 YEARS.

TWIN CITIES BREAKDOWN

OF JOBS BY

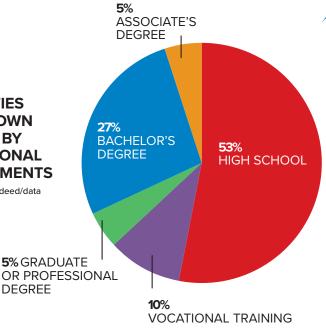
EDUCATIONAL

Source: mn.gov/deed/data

REQUIREMENTS

DEGREE

FLAHS GRADS (2022) WHO **ENROLLED** IN COLLEGE.



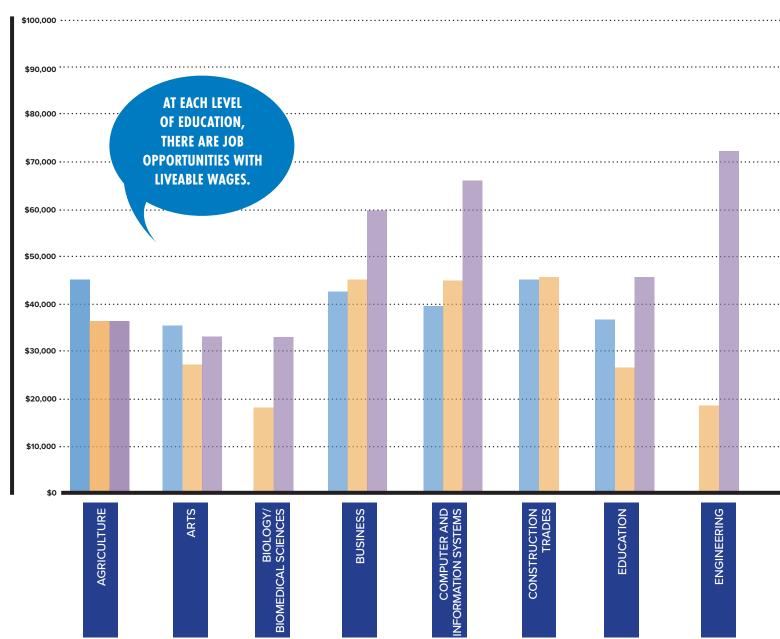
YOUR RECIPE FOR SUCCESS:

CHOOSE TO DO SOMETHING YOU ENJOY.

BE READY TO **BE A LIFELONG LEARNER**.

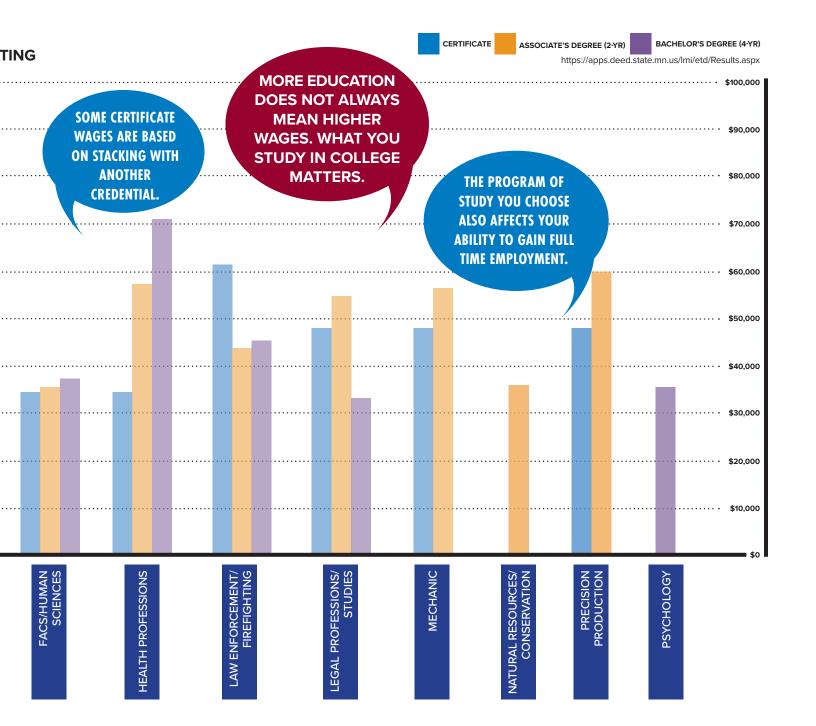
2025-26 FLASCHOOLS.ORG 8

MEDIAN WAGE BY DEGREE AND PROGRAM OF STUDY FOR 2021 GRADUATES 2 YEARS AFTER GRADUA



TWIN CITIES METRO AREA OCCUPATIONS IN HIGH DEMAND BY EDUCATION LEVEL

HIGH SCHOOL DIPLOMA/APPRENTICESHIP		VOCATIONAL TRAINING OR ASSOCIATE'S DEGREE	
Carpenter	\$77,672	Registered Nurse	\$103,847
Computer User Support Specialist	\$66,022	Dental Hygienist	\$97,477
Heavy & Tractor- Trailor Truck Driver	\$64,047	Electrician	\$85,697
Welder	\$60,006	Radiologic Technologist	\$83,266
Automotive Service Technician	\$58,858	Surgical Technician	\$80,249
Customer Service Representative	\$49,374	Industrial Engineering Technician	\$69,564
Landscaper/Groundskeeper	\$47,498	Paralegal	\$66,277
Home Health Aide	\$35,514	Veterinary Technician	\$48,503



BACHELOR'S DEGREE OR HIGHER			
Nurse Practitioner	\$135,884		
Software Developer	\$131,741		
Healthcare Administrator \$126,07			
Computer Systems Analyst	\$112,520		
Industrial Engineer	\$103,880		
Physical Therapist	\$99,797		
Accountant	\$81,809		
Secondary School Teacher	\$68,896		



UNDERSTAND WHAT OCCUPATIONS ARE IN HIGH OR GROWING DEMAND.

AGRICULTURE, FOOD AND NATURAL RESOURCES

- Animal Systems
- Agribusiness Systems
- Environmental Service Systems
- Food Products and Processing Systems
- Natural Resources Systems
- Plant Systems
- Power, Structural and **Technical Systems**



ANIMAL SCIENCE AND PLANT SCIENCE PATHWAYS

(U) Ranger University class

(C) Certification

RECOMMENDED CAREER AND **TECHNICAL COURSES**

ANIMAL SCIENCES

0300 - Animal Science (9-12) (C)

0306 - Companion Animal Science (9-12) (C)

0305 - Animal Health and Veterinary Science (11-12) (C)

0303 - CIS Animal Science (11-12) (U)

0400 - Horse & Horsemanship (9-12)

0205 - Fish & Wildlife Mgmt. (9-12) (C)

6611 - Human Anatomy and Physiology

6715 - Organic Chemistry (11-12)

0810 - Biotech in Agri-Science (11-12)

0650 - Agricultural Economics (11-12)

0001/0004 - Youth Leadership A/B (9-12)

0800 - Agriculture Today (11-12)

2415/2416 - AP Seminar A/B (10-12) (U)

2413/2414 - Career Launch A/B (11-12) (C)

PATHWAYS

PLANT SCIENCES

0504 - Greenhouse Technology (9-12) (U)

0505 - Floral Design (9-12)

0201 - Natural Resource Science (9-12)

0502 - Landscape Design and Construction (9-12) (U)

0501 - Plant Science - Concepts (10-12) (U)

0200 - Alternative Energy (11-12)

2050 - Business Computer Applications (10-12) (U) (C)

Course requirements may vary. Check course catalog.

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

FFA

Complete Veterinary Technician Certification (Animal Science

Environmental Club

Complete OSHA 10 Certification

Attend field trips/tours

Develop leadership skills through

clubs, sports, work, service, etc.



OCCUPATIONS (Twin Cities Metro Area Data from DEED)



LANDSCAPER MEDIAN SALARY

\$47,498

PROJECTED GROWTH:

5.5%

EDUCATION

HIGH SCHOOL DIPLOMA

BUTCHER MEDIAN SALARY

\$48,240

PROJECTED GROWTH:

-3%

EDUCATION

HIGH SCHOOL DIPLOMA

VET TECH MEDIAN SALARY

\$48,503 **PROJECTED GROWTH:**

21.5%

EDUCATION

ASSOCIATE'S DEGREE

FOOD SCIENTIST MEDIAN SALARY

\$106,924

PROJECTED GROWTH: 4.5%

EDUCATION BACHELOR'S DEGREE

VETERINARIAN MEDIAN SALARY

\$110,635

PROJECTED GROWTH: 22.8%

EDUCATION

GRADUATE DEGREE

https://mn.gov/deed/data/data-tools/career-pathways-tool/ For more agriculture career related information, visit https://www.agexplorer.com/

PLANT SCIENCES

AGRICULTURE, FOOD AND NATURAL RESOURCES

- Animal Systems
- Agribusiness Systems
- Environmental Service Systems
- Food Products and Processing Systems
- Natural Resources Systems
- Plant Systems
- Power, Structural and Technical Systems



NATURAL RESOURCES PATHWAY

(U) Ranger University class

(C) Certification

RECOMMENDED CAREER AND TECHNICAL COURSES
0201 – Natural Resource Science (9-12) 6605 – Environmental Science (11-12) 0205 – Fish and Wildlife Mgmt (9-12) 0501 – Plant Science - Concepts (10-12) (U) 6805 – Meteorology (10-12) 0200 – Alternative Energy (11-12) 0810 – Biotech in Agri-Science (11-12) 0650 – Agricultural Economics (11-12) 0001/0004 – Youth Leadership A/B (9-12) 0800 – Agriculture Today (11-12)
2415/2416 – AP Seminar A/B (10-12) (U) 2413/2414 – Career Launch A/B (11-12) (C)
6621/6622/6623 – AP Environmental Science A/B/C (9-12) (U)

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

FFA

Environmental Club

Complete OSHA 10 Certification

Attend field trips/tours

Develop leadership skills through clubs, sports, work,

Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



NATURAL **RESOURCES**

TREE TRIMMER MEDIAN SALARY

\$68,886

PROJECTED GROWTH:

6.5%

EDUCATION

DIPLOMA

WATER & WASTEWATER TREATMENT

MEDIAN SALARY

\$75,701

PROJECTED GROWTH:

-5.5%

EDUCATION

DIPLOMA

ENVIRONMENTAL SCIENCE TECH

MEDIAN SALARY

\$59,849

PROJECTED GROWTH:

7.3%

EDUCATION

ASSOCIATE'S DEGREE

ENVIRONMENTAL SCIENTIST

MEDIAN SALARY

\$85,156

PROJECTED

GROWTH: 7.3%

EDUCATION

BACHELOR'S DEGREE

CONSERVATION **SCIENTIST**

MEDIAN SALARY

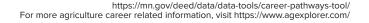
\$86,902

PROJECTED

GROWTH: 5.6%

EDUCATION

BACHELOR'S DEGREE





ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS

- Audio/Video Technology and Film
- Journalism and Broadcasting
- Performing Arts

- Printing Technology
- Communication Technology
- Visual Arts



ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS PATHWAY

(U) Ranger University class

(C) Certification

RECOMMENDED CAREER AND **TECHNICAL COURSES**

Music Electives

World Language Electives

English Electives

4407 - Introduction to Media (9-12)

4409 - Mass Communications (Digital Media Production) (9-12)

4405 - Technical Theatre (9-12)

4406 - Theater Directing & Performance (9-12)

1002 - Studio Art I (9-12)

1006 - Studio Art II (9-12)

1610 - Graphic Design I (9-12) (C)

1620 - Graphic Design II (10-12) (C)

1110 - Drawing and Painting I (9-12)

1120 - Drawing and Painting II (10-12)

1310 - Drawing and Printmaking I (9-12)

1320 - Drawing and Printmaking II (10-12)

1410 - Related Arts (Mixed-media and Jewelry) (10-12)

1200 - Photography I (9-12)

4701/4702 - Yearbook A/B (11-12)

2505 - Fashion Marketing and Design (10-12)

2700 - Interior Space and Design (10-12)

2415/2416 - AP Seminar A/B (10-12) (U)

2413/2414 - Career Launch A/B (11-12)

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

Digital Media Productions

Adobe Certification

School play

Speech

DECA

FFA

Develop leadership skills through clubs, sports, work, service, etc.



Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



PHOTOGRAPHER MEDIAN SALARY

\$55,958 **PROJECTED GROWTH:** 5.5%

EDUCATION

HIGH SCHOOL DIPLOMA

AUDIO/VIDEO **TECHNICIAN** MEDIAN SALARY

\$44.058

PROJECTED GROWTH: 6.1%

EDUCATION

ASSOCIATE'S DEGREE

SOUND **ENGINEERING TECHNICIAN**

MEDIAN SALARY

\$77,884 **PROJECTED GROWTH:**

1.7% **EDUCATION**

ASSOCIATE'S DEGREE

INTERIOR DESIGNER MEDIAN SALARY

\$64,756

PROJECTED GROWTH: 5.5%

EDUCATION

BACHELOR'S DEGREE

JOURNALIST/ REPORTER

MEDIAN SALARY

\$38,109

PROJECTED GROWTH:

.6%

EDUCATION

BACHELOR'S DEGREE

INFORMATION TECHNOLOGY

- Information Support and Services
- Network Systems
- Programming and Software Development
- Web and Digital Communications



INFORMATION TECHNOLOGY PATHWAY

(U) Ranger University class

(C) Certification

RECOMMENDED CAREER AND **TECHNICAL COURSES**

2022 - Web Design & Social Media Marketing (9-12)

2040 - Business Information Systems (10-12) (U) (C)

2050 - Business Computer Applications (10-12) (U) (C)

5430/5431 - IT Explorations A/B (9-12) (C)

5436 - Intro to C++ (9-12)

5440/5441 - AP Computer Science Principles A/B (9-12) (U)

5445/5446 - AP Computer Science A/B (11-12) (U)

5252/5253/5254 - AP Pre-Calculus A/B/C (10-12) (U)

5255/5256 - AP Calculus I - A/B (11-12) (U)

3600 - Robotics and Automation (9-12)

1610 - Graphic Design I (C)

1620 - Graphic Design II (10-12) (C)

2415/2416 - AP Seminar A/B (10-12) (U)

2413/2414 - Career Launch A/B (11-12) (C)

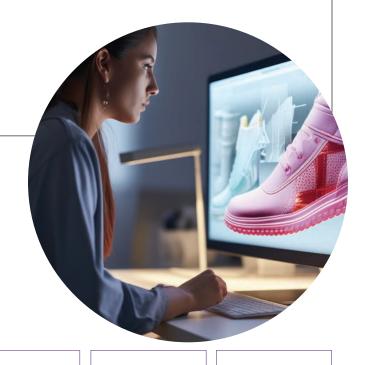
Course requirements may vary. Check course catalog.

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

Complete IC3 Certification

Complete Microsoft Office Specialist Certification (MOS)

Develop leadership skills through clubs, sports, work, service, etc.



OCCUPATIONS (Twin Cities Metro Area Data from DEED)



COMPUTER USER SUPPORT SPECIALIST MEDIAN SALARY

\$64,563

PROJECTED GROWTH:

4.9%

EDUCATION

ASSOCIATES'S DEGREE

COMPUTER **NETWORK SUPPORT SPECIALIST** MEDIAN SALARY

\$75,277

PROJECTED GROWTH:

6.6%

EDUCATION

ASSOCIATES'S DEGREE

TECHNICAL WRITER MEDIAN SALARY

\$77,358

PROJECTED GROWTH:

5.9%

EDUCATION

BACHELOR'S DEGREE

COMPUTER SYSTEMS ANALYST

MEDIAN SALARY

\$110,160

PROJECTED GROWTH:

7.3%

EDUCATION

BACHELOR'S DEGREE

INFORMATION SYSTEMS MANAGER MEDIAN SALARY

\$173,211

PROJECTED GROWTH:

14.7%

EDUCATION

BACHELOR'S DEGREE

ARCHITECTURE/CONSTRUCTION

- Construction
- Design/Pre-construction
- Maintenance/Operations



ARCHITECTURE AND CONSTRUCTION PATHWAYS

(U) Ranger University class

(C) Certification

RECOMMENDED CAREER AND **TECHNICAL COURSES**

3700 - Introduction to Computer Aided Drafting (9-12)

3995 - 9th Grade Metals & Woods

3000 - Cabinetmaking I (10-12)

3010 - Cabinetmaking II (10-12)

3020 - Cabinetmaking III (10-12)

3998 - 9th Grade Carpentry (9)

3015 - Carpentry I (10-12)

3025/3026 - Carpentry II A/B (11-12)

3710 - Architecture I (10-12)

3720 - Architecture II (10-12)

3730 - Architecture III (10-12))

3151 - Metals I (10-12)

3152 - Metals II (10-12)

3153 - Metals III (11-12)

3300 - Electricity/Electronics I (9-12)

3310 - Electricity/Electronics II (10-12)

1110 - Drawing & Painting I (9-12) and

1120 - Drawing & Painting II (10-12)

1310 - Drawing & Printmaking I (9-12) and

1320 - Drawing & Printmaking II (10-12)

2415/2416 - AP Seminar A/B (10-12) (U)

2413/2414 - Career Launch A/B (11-12) (C)

Course requirements may vary. Check course catalog.

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

Complete OSHA 10 Certification

Attend field trip/tours

Develop leadership skills through clubs, sports, work, service, etc.



OCCUPATIONS (Twin Cities Metro Area Data from DEED)



CARPENTER MEDIAN SALARY

\$77,672

PROJECTED GROWTH:

4.9%

EDUCATION

HIGH SCHOOL DIPLOMA

HEAVY EQUIPMENT OPERATOR MEDIAN SALARY

\$87,031

PROJECTED GROWTH: 9.2%

EDUCATION

HIGH SCHOOL DIPLOMA

PLUMBER, **PIPEFITTER STEAMFITTER** MEDIAN SALARY

\$98,813 **PROJECTED**

GROWTH: 5.2%

EDUCATION

VOCATIONAL TRAINING

ARCHITECTURAL & CIVIL DRAFTER

MEDIAN SALARY

\$72,213

PROJECTED GROWTH:

3.3%

EDUCATION

ASSOCIATE'S DEGREE

CONSTRUCTION **MANAGER**

MEDIAN SALARY

\$107,493

PROJECTED GROWTH:

7.5%

EDUCATION

BACHELOR'S DEGREE

MANUFACTURING/AUTOMOTIVE

- Production
- Manufacturing Production
- Process Development
- Maintenance, Installation, and Repair
- Logistics and Inventory Control
- Quality Assurance
- · Health, Safety and **Environmental Assurance**



MANUFACTURING AND AUTOMOTIVE PATHWAYS

(U) Ranger University class

(C) Certification

RECOMMENDED CAREER AND **TECHNICAL COURSES**

MANUFACTURING

3700 - Introduction to Computer Aided Drafting (9-12)

3995 - 9th Grade Metals & Woods

3151 - Metals I (10-12)

3152 - Metals II (10-12

3153 - Metals III (11-12)

3600 - Robotics and Automation (9-12)

3997 - 9th Grade Engineering (9)

3800 - Engineering & Drafting I (10-12) (U)

3810 - Engineering & Drafting II (10-12)

3820 - Engineering Design (11-12)

5440/5441 - AP Computer Science Principles A/B (9-12) (U)

5445/5446 - AP Computer Science A/B (11-12) (U)

2413/2414 - Career Launch A/B (11-12) (C)

AUTOMOTIVE

3500 - Power Mechanics I (10-12) (C)

3510 - Power Mechanics II (10-12) (C)

3520 - Consumer Auto (10-12) (C)

3521/3522 - Auto Technology A/B (11-12) (C)

Course requirements may vary. Check course catalog.

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

Complete OSHA 10 Certification

Attend field trip/tours

Develop leadership skills through clubs, sports, work, service, etc.





OCCUPATIONS (Twin Cities Metro Area Data from DEED)



PRODUCTION WORKER MEDIAN SALARY

\$40,060

PROJECTED GROWTH:

-8.8%

EDUCATION

HIGH SCHOOL DIPLOMA

WELDER MEDIAN SALARY

\$60,006

PROJECTED GROWTH:

2.4%

EDUCATION

HIGH SCHOOL DIPLOMA

DIESEL **MECHANIC** MEDIAN SALARY

\$65,931

PROJECTED GROWTH:

2.7%

EDUCATION

VOCATIONAL TRAINING

LOGISTICIAN MEDIAN SALARY

\$84,806

PROJECTED GROWTH:

19.3%

EDUCATION

BACHELOR'S DEGREE

INDUSTRIAL **PRODUCTION MANAGER** MEDIAN SALARY

\$128,661

PROJECTED GROWTH:

4.8%

EDUCATION

BACHELOR'S DEGREE

TECHNOLOGY/SCIENCE/MATHEMATICS

- Engineering and Technology
- Science and Mathematics



ENGINEERING/TECHNOLOGY AND SCIENCE/MATHEMATICS PATHWAYS

(U) Ranger University class

(C) Certification

RECOMMENDED CAREER AND **TECHNICAL COURSES**

ENGINEERING + TECHNOLOGY

3700 - Introduction to Computer Aided Drafting (9-12)

3997 - 9th Grade Engineering (9)

3800 - Engineering & Drafting I (10-12) (U)

3810 - Engineering & Drafting II (10-12)

3820 - Engineering Design (11-12)

3300 - Electricity/Electronics I (9-12)

3310 - Electricity/Electronics II (10-12)

3995 - Woodworking and Metals (9)

3151 - Metals I (10-12)

3152 - Metals II (10-12

3153 - Metals III (11-12)

3500 - Power Mechanics I (10-12)

3510 - Power Mechanics II (10-12)

3600 - Robotics and Automation (9-12)

6907/6908/6909 - AP Physics A/B/C (9-12) (U)

6910/6911 - AP Physics - Mechanics A/B (Calc based) (11-12) (U)

6712/6713/6714 - AP Chemistry A/B/C (10-12) (U) or

6702 - Chemistry B (10-12)

6615/6616/6617 - AP Biology A/B/C (11-12) (U)

6621/6622/6623 - AP Environmental Science A/B/C (9-12) (U)

5252/5253/5254 - AP Pre-Calculus A/B/C (10-12) (U)

5255/5256 - AP Calculus I - A/B (11-12) (U)

5258/5259 - AP Calculus II - A/B and/or (**U**)

5440/5441 - AP Computer Science Principles A/B (U) and/or

5445/5446 - AP Computer Science A/B (11-12) (U)

2415/2416 - AP Seminar A/B (10-12) (U)

2413/2414 - Career Launch A/B (11-12) (C)

SCIENCE + MATHEMATICS

Science Electives

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

Complete OSHA 10 Certification

Attend field trips/tours

Develop leadership skills through clubs, sports, work, service, etc.



COURSES ARE RECOMMENDED

Math Electives

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



BIOLOGICAL TECHNICIAN MEDIAN SALARY

\$56,161

PROJECTED GROWTH:

7.9%

EDUCATION

ASSOCIATE'S DEGREE

ELECTRONIC ENG. TECH. MEDIAN SALARY

\$74,713

PROJECTED GROWTH:

.2%

EDUCATION

ASSOCIATE'S DEGREE

CHEMIST MEDIAN SALARY

\$83,512

PROJECTED GROWTH: 7.5%

EDUCATION

BACHELOR'S DEGREE

MECHANICAL ENGINEER MEDIAN SALARY

\$102,019

PROJECTED GROWTH: 12.1%

EDUCATION

BACHELOR'S DEGREE

ELECTRICAL ENGINEER MEDIAN SALARY

\$106,869

PROJECTED GROWTH: 4.3%

EDUCATION

GRADUATE DEGREE

Course requirements may vary. Check course catalog.

HEALTH SCIENCE

- Biotechnology Research and Development
- Diagnostic Service
- Health Informatics
- Therapeutic Services



HEALTH SCIENCE PATHWAY

(U) Ranger University class

(C) Certification

RECOMMENDED CAREER AND **TECHNICAL COURSES**

2430 - Exploring Medical Careers (9-12)

2440 - Nursing Assistant Comprehensive (CNA) (11-12) (U) (C)

2450 - Emergency Medical Responder (11-12) (U) (C)

2451/2452 – Emergency Medical Technician A/B (12) (U) (C)

2431 - Medical Dosages (11-12) (U)

2432 - Medical Terminology (10-12) (U)

2433 - Pharmacology (11-12) (U)

6701/6702 - Chemistry A/B (10-11) and/or

6712/6713/6714 - AP Chemistry A/B/C (10-12) (U)

6715 - Organic Chemistry (11-12)

6615/6616/6617 - AP Biology A/B/C (11-12) (U)

6611 – Human Anatomy and Physiology (11-12)

6612 - Criminalistics (10-12)

6613 - Genetics in Medicine (11-12)

0303 - CIS Animal Science (11-12) (U)

0305 - Animal Health and Veterinary Science (11-12) (C)

5449/5450 - AP Statistics A/B (10-12) (U)

7306 - Psychology (10-12) and/or

7316/7317 - AP Psychology A/B (11-12) (U)

6118 - Cardio, Core and Conditioning (11-12) and/or (C)

6119 - Aerobic & Strength Training I (11-12) (C)

6129 - Aerobic & Strength Training II (11-12) (C)

World Language Electives

2415/2416 - AP Seminar A/B (10-12) (U)

2413/2414 - Career Launch A/B (11-12) (C)

Course requirements may vary. Check course catalog.

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

Complete Registered Nursing Assistant Certification (CNA)

Complete Emergency Medical Response Certification (EMR)

Complete Emergency Medical Technician Certification (EMT)

Complete OSHA 10 Certification

Complete Personal Trainer & Group Fitness Instructor Certification

Health Occupations Students of America (HOSA) Club

Emergency Medical Service (EMS) Club

Work or volunteer in a medical setting (nursing homes, hospitals, etc.)

Attend field trips/tours

Develop leadership skills through clubs, sports, work, service, etc.



OCCUPATIONS (Twin Cities Metro Area Data from DEED)



MEDICAL ASSISTANT MEDIAN SALARY

\$52,350

PROJECTED GROWTH:

11.8%

EDUCATION

VOCATIONAL TRAINING

DENTAL HYGIENIST MEDIAN SALARY

\$97,477

PROJECTED GROWTH: 6.8%

EDUCATION

ASSOCIATE'S DEGREE

REGISTERED NURSE MEDIAN SALARY

\$103.847

PROJECTED GROWTH: 5.5%

EDUCATION

ASSOCIATE'S DEGREE

PHYSICAL THERAPIST MEDIAN SALARY

\$99,797

PROJECTED GROWTH: 9.2%

EDUCATION

GRADUATE DEGREE

NURSE PRACTITIONER MEDIAN SALARY

\$135.884

PROJECTED GROWTH: 39.8%

EDUCATION

GRADUATE DEGREE

EDUCATION/HUMAN SERVICES

- Administration and Administrative Support
- Professional Support Services
- Teaching/Training



EDUCATION/HUMAN SERVICES PATHWAY

(U) Ranger University class

(C) Certification

RECOMMENDED CAREER AND **TECHNICAL COURSES**

2805 - Family Dynamics (9-12)

2800 - Psychology of Childhood (10-12)

2813/2814 - Exploring Education A/B (11-12) (U)

2419 - Exploring the Teaching Profession I (11-12) (U)

xxxx - Exploring the Teaching Profession II (11-12) (U)

7306 - Psychology (9-12)

7316/7317 - AP Psych A/B (11-12) (U)

7205 - Anthropology (9-12)

7307 - Sociology (9-12)

7300 - Contemporary Social Issues (11-12)

7488/7489 - AP Human Geography A/B (9-12) (U)

World Language Electives

4115 - CIS Advanced Public Speaking (11-12) (U)

4221 - CIS University Writing (12) (U)

2415/2416 - AP Seminar A/B (10-12) (U)

*If you plan to be a content area teacher, take as many content area classes as possible.

Course requirements may vary. Check course catalog.

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

4-H YTY (Youth Teaching Youth)

Creative Minds

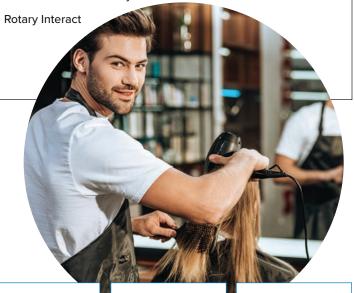
GSA

Student Council

Volunteer/Work with young people: coach a sport, church groups, childcare, etc.

Develop leadership skills through clubs, sports, work, service, etc.

National Honors Society



OCCUPATIONS (Twin Cities Metro Area Data from DEED)



CHILDCARE MEDIAN SALARY

\$34,826

PROJECTED GROWTH: 3.5%

EDUCATION

HIGH SCHOOL DIPLOMA

EXERCISE TRAINER MEDIAN SALARY

\$50,890

PROJECTED GROWTH:

14.5%

EDUCATION

HIGH SCHOOL DIPLOMA

HAIRSTYLIST & COSMETOLOGIST

MEDIAN SALARY

\$35,527

PROJECTED GROWTH: 10.3%

EDUCATION

VOCATIONAL TRAINING

MORTICIAN MEDIAN SALARY

\$83,924

PROJECTED GROWTH: 6.8%

EDUCATION

BACHELOR'S DEGREE

SOCIAL WORKER

MEDIAN SALARY

\$67,178

PROJECTED GROWTH:

5.9%

EDUCATION

GRADUATE DEGREE

LAW/GOVERNMENT

- Correction Services
- Emergency and Fire Management Services
- Law Enforcement Services

- Legal Services
- Security and Protective Services



LAW/GOVERNMENT PATHWAY

(U) Ranger University class

(C) Certification

RECOMMENDED CAREER AND **TECHNICAL COURSES**

2300 - Business and Personal Law I (9-12) 2310 - Business and Personal Law II (9-12)

7300 - Contemporary Social Issues (11-12)

7205 - Anthropology (9-12)

7307 - Sociology (9-12)

7306 - Psychology (9-12)

7316/7317 - AP Psych A/B (11-12) (U)

7488/7489 - AP Human Geography A/B (9-12) (U)

7051/7052 - AP World History A/B (10-12) (U)

7012/7013 - AP U.S History A/B (11-12) (U)

7211/7212 - AP Microeconomics A/B (11-12) (U)

7027 - International Relations (9-12)

4115 - CIS Advanced Public Speaking (11-12) (U)

4221 - CIS University Writing (12) (U)

2415/2416 - AP Seminar A/B (10-12) (U)

2450 - Emergency Medical Responder (10-12) (U) (C)

Course requirements may vary. Check course catalog

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

History Day

Rotary Interact

Speech

Student Council

National Honors Society

Law Enforcement Exploring

Develop leadership skills through clubs, sports, work, service, etc.



OCCUPATIONS (Twin Cities Metro Area Data from DEED)



COURT **CLERK** MEDIAN SALARY

\$53,103

PROJECTED GROWTH:

3.0%

EDUCATION

HIGH SCHOOL DIPLOMA

PARALEGAL MEDIAN SALARY

\$66,277

PROJECTED GROWTH: 3.2%

EDUCATION

ASSOCIATE'S DEGREE

COMPLIANCE OFFICER MEDIAN SALARY

\$84,669

PROJECTED GROWTH: 6.1%

EDUCATION

BACHELOR'S DEGREE

PROBATION OFFICER MEDIAN SALARY

\$87,301

PROJECTED GROWTH: 4.7%

EDUCATION

BACHELOR'S DEGREE

LAWYER MEDIAN SALARY

\$161,292

PROJECTED GROWTH: 8.3%

EDUCATION

GRADUATE DEGREE

BUSINESS, MANAGEMENT AND ADMINISTRATION

- Administrative Support
- Operations Management
- Business Information Management
- Human Resources Management
- General Management



MANAGEMENT/ADMINISTRATION AND HOSPITALITY/TOURISM PATHWAYS

(U) Ranger University class (C) Certification

RECOMMENDED CAREER AND **TECHNICAL COURSES**

BUSINESS/MANAGEMENT/ADMINISTRATION

2040 - Business Information Systems (10-12) (U) (C)

2250 - Principles of Management (10-12) (U)

2050 - Business Computer Applications (10-12) (U) (C)

2220 - Principles of Marketing (10-12) (U) (C)

2230 - College Introduction to Business (10-12) (U) (C)

2240 - Human Relations in Business (10-12) (U) (C)

2300 - Business and Personal Law I (9-12)

2310 - Business and Personal Law II (9-12)

7211/7212 - AP Microeconomics A/B (11-12) (U)

2415/2416 - AP Seminar A/B (10-12) (U)

2413/2414 - Career Launch A/B (11-12) (C)

HOSPITALITY AND TOURISM

2317 - Hospitality and Tourism Mgmt (9-12)

2614/2615 - Introduction to Culinary Arts A/B (10-12) (C)

2616/2617 - Advanced Culinary Arts A/B (11-12) (C)

5430/5431 - IT Exploration A/B (9-12) (C)

7211/7212 - AP Microeconomics A/B (11-12) (U)

7306 - Psych (10-12) and/or

7316/7317 - AP Psych A/B (11-12) (U)

2415/2416 AP Seminar A/B (10-12) (U)

2413/2414 - Career Launch A/B (11-12) (C)

World Languages Electives

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

Complete Business Essentials Certification

Complete Microsoft Office Specialist Certification (MOS)

Complete IC3 Certification

DECA

Student Council

Develop leadership skills through clubs, sports, work, service, etc.

Complete ServSafe Certification (Hospitality/Tourism only)

Complete Prostart Certification (Hospitality/Tourism only)



Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



JANITOR MEDIAN SALARY

\$39,304

PROJECTED GROWTH:

3.5%

EDUCATION

HIGH SCHOOL DIPLOMA

COOK MEDIAN SALARY

\$39,721

PROJECTED GROWTH:

11.1%

EDUCATION

HIGH SCHOOL DIPLOMA

EVENT PLANNER MEDIAN SALARY

\$56,717

PROJECTED GROWTH: 8.5%

EDUCATION

VOCATIONAL TRAINING

MANAGEMENT **ANALYST** MEDIAN SALARY

\$100.289

PROJECTED GROWTH: 9.9%

EDUCATION

BACHELOR'S DEGREE

HEALTHCARE ADMINISTRATION

MEDIAN SALARY

\$126,072

PROJECTED GROWTH: 26.4%

EDUCATION

BACHELOR'S DEGREE

FINANCE/MARKETING

- Banking Services
- Business Finance
- Securities and Investment
- Accounting

- Insurance
- Merchandising
- Marketing Management
- Marketing Communications
- Marketing Research
- Professional Sales



FINANCE AND MARKETING PATHWAYS

(U) Ranger University class

(C) Certification

RECOMMENDED CAREER AND **TECHNICAL COURSES**

FINANCE

2100 - Accounting I (9-12)

2110 - Accounting II (9-12)

2120 - Computerized Accounting III (10-12)

2230 - College Introduction to Business (10-12) (U) (C)

2040 - Business Information Systems (10-12) (U) (C)

2050 - Business Computer Applications (10-12) (U) (C)

5449/5450 - AP Statistics A/B (10-12) (U)

2027 - Personal Money Management (11-12) or

2706 - Financial Skills for Life (11-12)

7211/7212 - AP Microeconomics A/B (11-12) (U)

2415/2416 AP Seminar A/B (10-12) (U)

2413/2414 - Career Launch A/B (11-12) (C)

MARKETING

2022 - Web Design & Social Media Marketing (9-12)

2220 - Principles of Marketing (10-12) (U) (C)

2317 - Hospitality and Tourism Mgmt (9-12)

2230 - College Introduction to Business (10-12) (U) (C)

2240 - Human Relations in Business (10-12) (U) (C)

2040 - Business Information Systems (10-12) (U)

2050 - Business Computer Applications (10-12) (U) (C)

5449/5450 - AP Statistics A/B (10-12) (U)

2505 - Fashion Marketing and Design (10-12)

1610 - Digital Imaging (Graphic Design) (9-12)

1620 - Advanced Digital Imaging (10-12)

7306 - Psych (10-12) and/or

7316/7317 - AP Psych A/B (11-12) (U)

2415/2416 AP Seminar A/B (10-12) (U)

2413/2414 - Career Launch A/B (11-12) (C)

RECOMMENDED ACTIVITIES/ **CREDENTIALS**

Complete Business Essentials Certification

Complete Microsoft Office Specialist Certification (MOS)

Investment Club

DECA

Develop leadership skills through clubs, sports, work,

service, etc.



Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



SERVICE SALES MEDIAN SALARY

\$75,118

PROJECTED GROWTH:

6.7%

EDUCATION

HIGH SCHOOL DIPLOMA

INSURANCE SALES AGENT MEDIAN SALARY

\$84.878

PROJECTED GROWTH:

7.3%

EDUCATION

HIGH SCHOOL DIPLOMA

CLAIMS **ADJUSTER** MEDIAN SALARY

\$76.871

PROJECTED GROWTH: -4.6%

EDUCATION

VOCATIONAL TRAINING

GRAPHIC DESIGNER MEDIAN SALARY

\$65.239

PROJECTED GROWTH: 4.9%

EDUCATION

BACHELOR'S DEGREE

PERSONAL FINANCIAL ADVISOR MEDIAN SALARY

\$103.312

PROJECTED GROWTH: 11.1%

EDUCATION

BACHELOR'S DEGREE

MAXIMIZE YOUR OPPORTUNITIES AT FOREST LAKE AREA HIGH SCHOOL!



ADVANCED EDUCATION/TRAINING



CAREER EXPOSURE & EXPERIENCE



Career Days • Field Trips • Internships • Job Shadows

TECHNICAL SKILLS: HARD SKILLS



Computer • Mechanical • Tool Proficiency • World Languages

ACADEMIC SKILLS: YOUR CORE REQUIREMENTS



Language Arts • Economics • Fine Arts • Math • Phy Ed/Health • Science • Social Studies

EMPLOYABILITY SKILLS: SOFT SKILLS



Communication • Critical Thinking • Perseverance • Professionalism • Teamwork • Time Management



FOR GUIDANCE: