



# CAREER PATHWAYS GUIDE

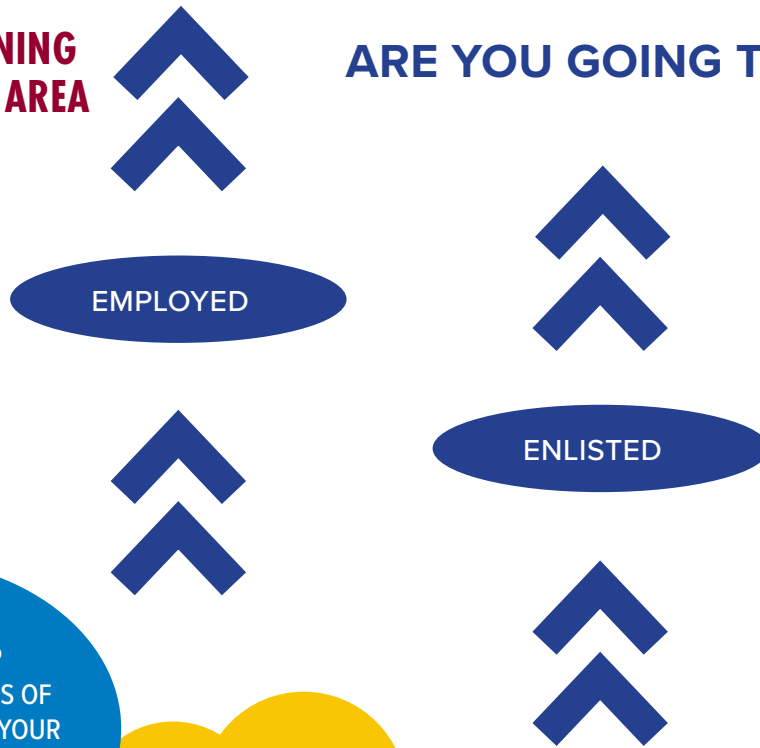
YOUR GUIDE FOR THRIVING IN HIGH SCHOOL AND BEYOND!



# RANGER TERRITORY

**PATHWAY PLANNING  
AT FOREST LAKE AREA  
HIGH SCHOOL**

**ARE YOU GOING TO BE...?**



**WHAT IS A  
CAREER PATHWAY?**  
FLAHS OFFERS A SERIES OF  
COURSES TO SUPPORT YOUR  
CAREER CLUSTER INTEREST.  
FIND **YOUR** COURSES  
ON PAGES 11-22.



**CAREER LAUNCH**  
EXPOSURE • READINESS • EXPERIENCE

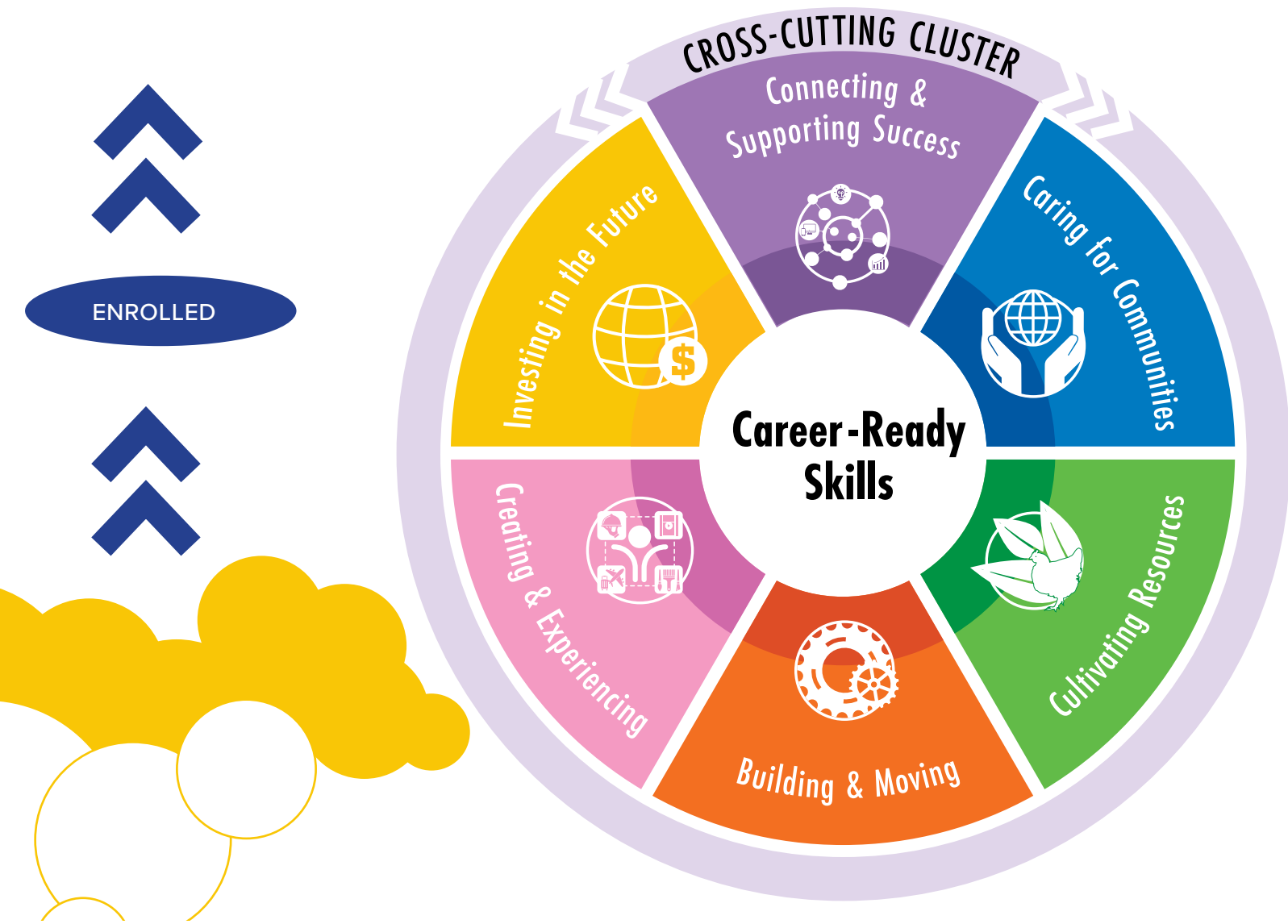
**FEATURED CAREER CLUSTERS OFFERED AT FLAHS: DEVELOPING YOUR SKILLS**

**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 & 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 and Government
PHY. ED./HEALTH (1.5)	Phy. Ed. 9, Phy Ed. 10, Health
FINE ARTS (1.0)	Music**, Theatre Arts, 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
<b>TOTAL REQUIRED CREDITS</b>	<b>26</b>

Class of 2027: See the registration web page.

\*\* Does not include Music Theory or Guitar. AP courses are offered for many course requirements.



**AND PREPARING FOR YOUR SUCCESS IN HIGH SCHOOL AND BEYOND**

- MANAGEMENT & ENTREPRENEURSHIP** (p. 11)
- Business Information Management
  - Entrepreneurship & Small Business
  - Leadership & Operations
  - Project Management

- DIGITAL TECHNOLOGY** (p. 11)
- Network Systems & Cybersecurity
  - IT Support & Services
  - Software Solutions
  - Web & Cloud

- MARKETING & SALES** (p. 12)
- Marketing & Advertising
  - Retail & Customer Experiences
  - Strategic Sales

- EDUCATION** (p. 13)
- Early Childhood Development
  - Learner Support & Community Engagement
  - Teaching, Training, & Facilitation

- HEALTHCARE & HUMAN SERVICES** (p. 14)
- Physical Health
  - Behavioral & Mental Health
  - Community & Social Services

- PUBLIC SERVICE & SAFETY** (p. 15)
- Emergency Response
  - Public Safety
  - Judicial Systems
  - Local, State, & Federal Services
  - Military & National Security

- AGRICULTURE** (p. 16)
- Animal Systems
  - Plant Systems
  - Food Science & Processing
  - Water Systems
  - Agribusiness

- ENERGY & NATURAL RESOURCES** (p. 17)
- Clean & Alternative Energy
  - Conservation & Land Management

- ARCHITECTURE** (p. 18)
- Architecture & Civil Engineering
  - Skilled Trades

- ADVANCED MANUFACTURING** (p. 19)
- Engineering
  - Production & Automation
  - Robotics

- SUPPLY CHAIN & TRANSPORTATION** (p. 20)
- Transportation
  - Maintenance & Repair

- HOSPITALITY, EVENTS, & TOURISM** (p. 21)
- Culinary & Food Services
  - Accommodations, Travel, & Conferences

- ARTS, ENTERTAINMENT, & DESIGN** (p. 21)
- Design & Digital Arts
  - Fashion & Interiors
  - Fine & Performing Arts
  - Lighting & Sound Technology
  - Media Production & Broadcasting

- FINANCIAL SERVICES** (p. 22)
- Accounting
  - Banking & Credit
  - Financial Strategy & Investments
  - Real Estate

# 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

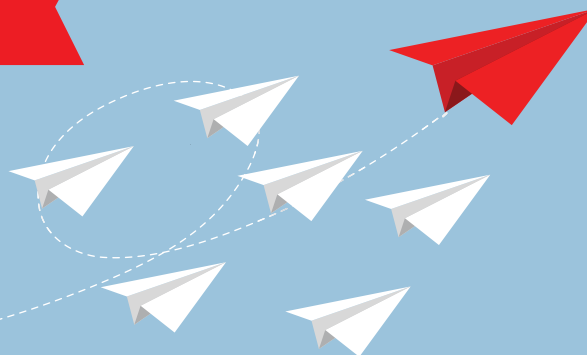
**Convincingly express** ideas and messages

## INDEPENDENCE

### CAN YOU?

**Meet expectations** with minimal supervision

**Set personal goals** and seek out resources to achieve them



## CRITICAL THINKING

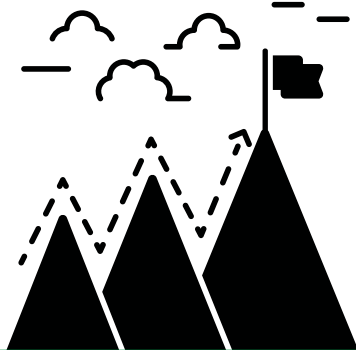
### CAN YOU?

**Think analytically and creatively** when solving problems and accomplishing tasks

**Gather multiple perspectives** and make informed decisions



## PERSEVERANCE



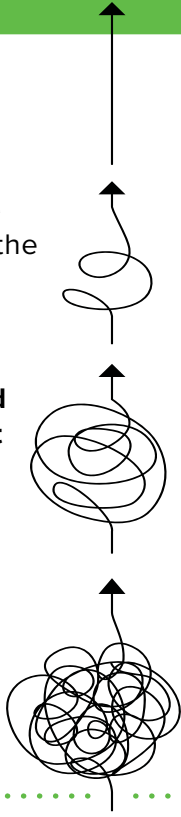
### CAN YOU?

**Demonstrate endurance** and capacity to complete tasks

**Exhibit initiative, grit,** and self control

## PROBLEM SOLVING

**CAN YOU?**  
Determine causes of the problems  
Identify, prioritize, select, and implement multiple solutions



## TEAM WORK

**CAN YOU?**  
Productively work with diverse teams  
Demonstrate empathy and cultural sensitivity



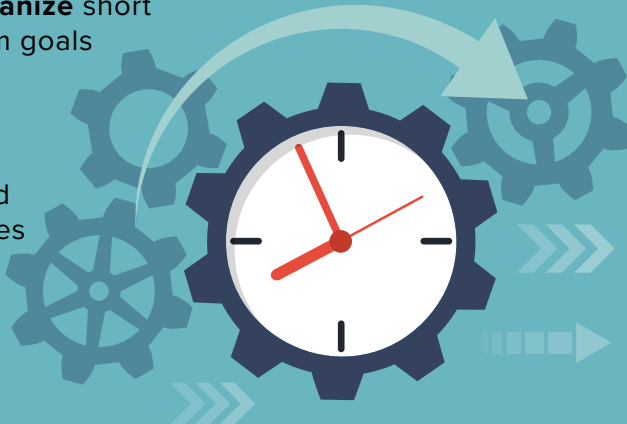
## INITIATIVE

**CAN YOU?**  
Self motivate and self direct  
Proactively support classmates and teachers



## TIME MANAGEMENT

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



## PROFESSIONALISM

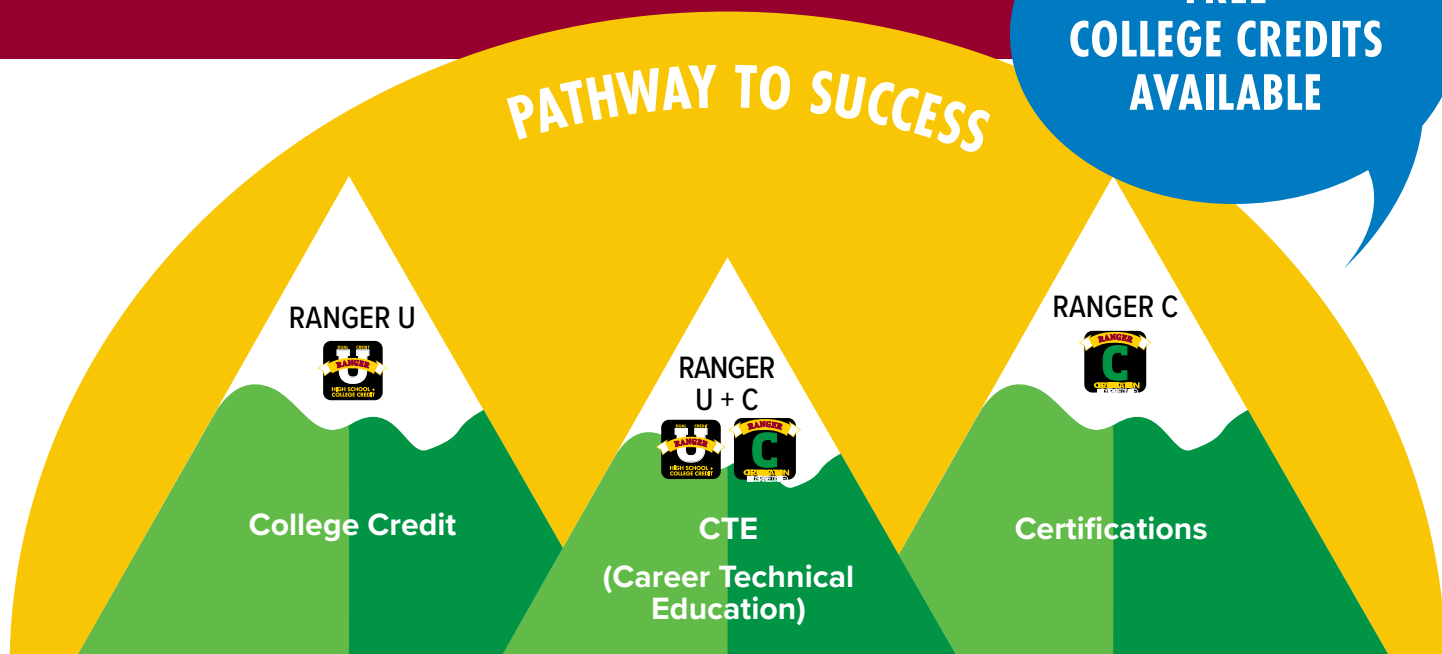
**CAN YOU?**  
Exemplify appropriate skills and behaviors at school and work  
Be socially aware and ethically responsible when managing challenging school and work environments



# LEVERAGING FREE COLLEGE CREDIT IN HIGH SCHOOL

Earn over 4 years of FREE college credit at Forest Lake Area High School (FLAHS).

**165  
FREE  
COLLEGE CREDITS  
AVAILABLE**



- 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)

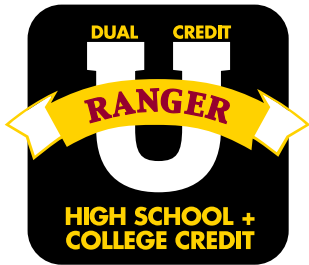
COLLEGE GENERAL EDUCATION REQUIREMENTS	RANGER U COURSE
<b>Goal Area 1:</b> Communication	AP Language and Composition, CIS Advanced Public Speaking, CIS University Writing
<b>Goal Area 2:</b> Critical Thinking	AP Chemistry, AP Physics, AP Statistics
<b>Goal Area 3:</b> Natural Sciences	AP Biology, AP Chemistry, AP Physics
<b>Goal Area 4:</b> Mathematical/Logical Reasoning	AP Computer Science, AP Calc I, AP Calculus II, AP Statistics
<b>Goal Area 5:</b> History/Social/Behavioral Sciences	AP Microeconomics, AP Human Geography, AP World History, AP U.S. History, AP Psychology
<b>Goal Area 6:</b> Humanities/Fine Arts	Ranger U World Language courses, CIS Literature, AP English Language & Composition
<b>Goal Area 7:</b> Human Diversity, Race, Power & Justice in the US	AP U.S. History
<b>Goal Area 8:</b> Global Perspective	AP Human Geography, AP World History, Ranger U World Language, AP Environmental Science
<b>Goal Area 9:</b> Ethical & Civic Responsibility	
<b>Goal Area 10:</b> People & the Environment	AP Environmental Science



# WHAT IS RIGHT FOR YOU?

Consider your learning style, transferability, what will help you meet your career goals

[hs.flaschools.org/academicplanning](https://hs.flaschools.org/academicplanning)



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

## WHAT YOU NEED TO KNOW ABOUT EARNING COLLEGE CREDIT.

AP	CONCURRENT COURSES	PSEO
<ul style="list-style-type: none"> <li>• Most transferable</li> <li>• Strong teacher/staff support</li> <li>• Must take a test to earn credit</li> <li>• Class is valuable without the test</li> <li>• Search college name + AP credit to check transferability</li> </ul>	<ul style="list-style-type: none"> <li>• Transferability depends on program of study and college</li> <li>• Strong teacher/staff support</li> <li>• Credit earned if you earn C- or higher</li> <li>• Use transferology.com to check transferability</li> </ul>	<ul style="list-style-type: none"> <li>• Transferability depends on program of study and college</li> <li>• Teacher support varies greatly</li> <li>• Credit earned if you earn C- or higher</li> <li>• Use transferology.com to check transferability</li> </ul>



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
B	3.0	3.75
B-	2.7	3.375
C+	2.3	2.875
C	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



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*
- Engineering: *SOLIDWORKS*
- FACS: *ServSafe*
- 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.



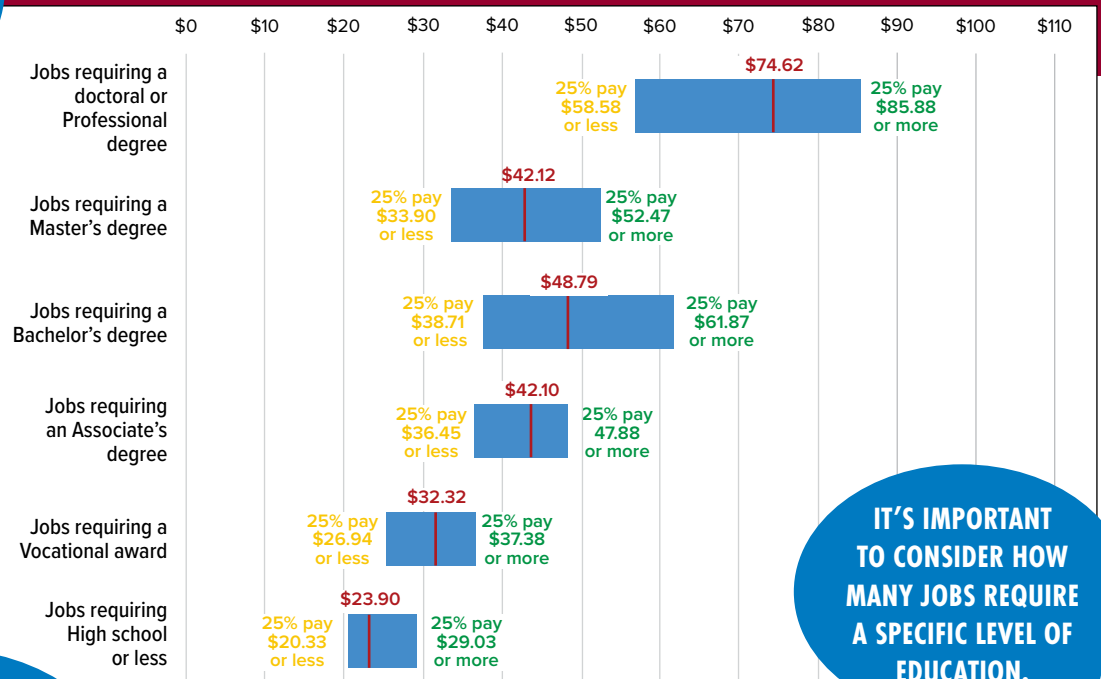
200 ELECTIVE CHOICES ACROSS ALL DEPARTMENTS

**"COST OF LIVING FOR A SINGLE PERSON IN WASHINGTON COUNTY = \$39,947"**

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.

## 2025 HOURLY WAGE RANGES FOR JOBS IN TWIN CITIES METRO BY TYPICAL EDUCATION REQUIREMENTS

Source: DEED Occupational Employment Statistics and Educational Requirements, 2025



**IT'S IMPORTANT TO CONSIDER HOW MANY JOBS REQUIRE A SPECIFIC LEVEL OF EDUCATION.**

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

### FLAHS GRADUATES

Source: SLEDS

FLAHS GRADS (2020) WHO HAVE EARNED A CERTIFICATE OR DEGREE IN 4 YEARS.

**42%**

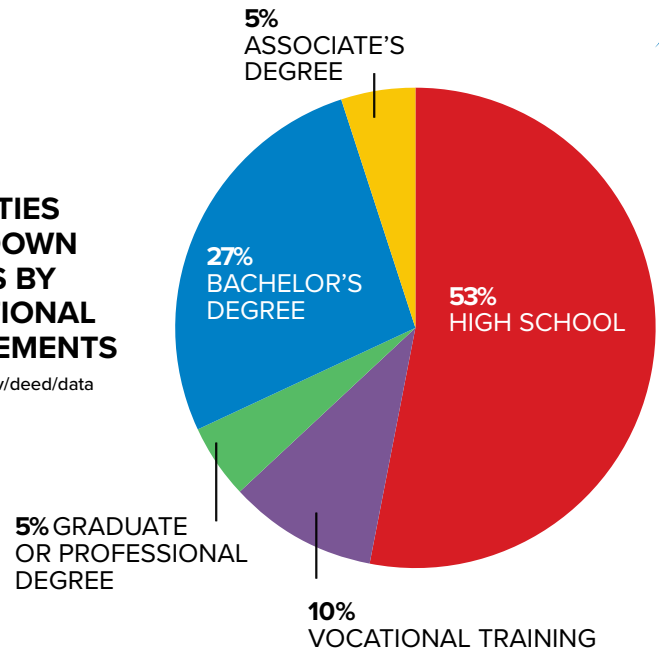
**69%**  
FLAHS GRADS (2025) WHO WANT TO OBTAIN A CERTIFICATE OR DEGREE.

**61%**

FLAHS GRADS (2023) WHO ENROLLED IN COLLEGE.

## TWIN CITIES BREAKDOWN OF JOBS BY EDUCATIONAL REQUIREMENTS

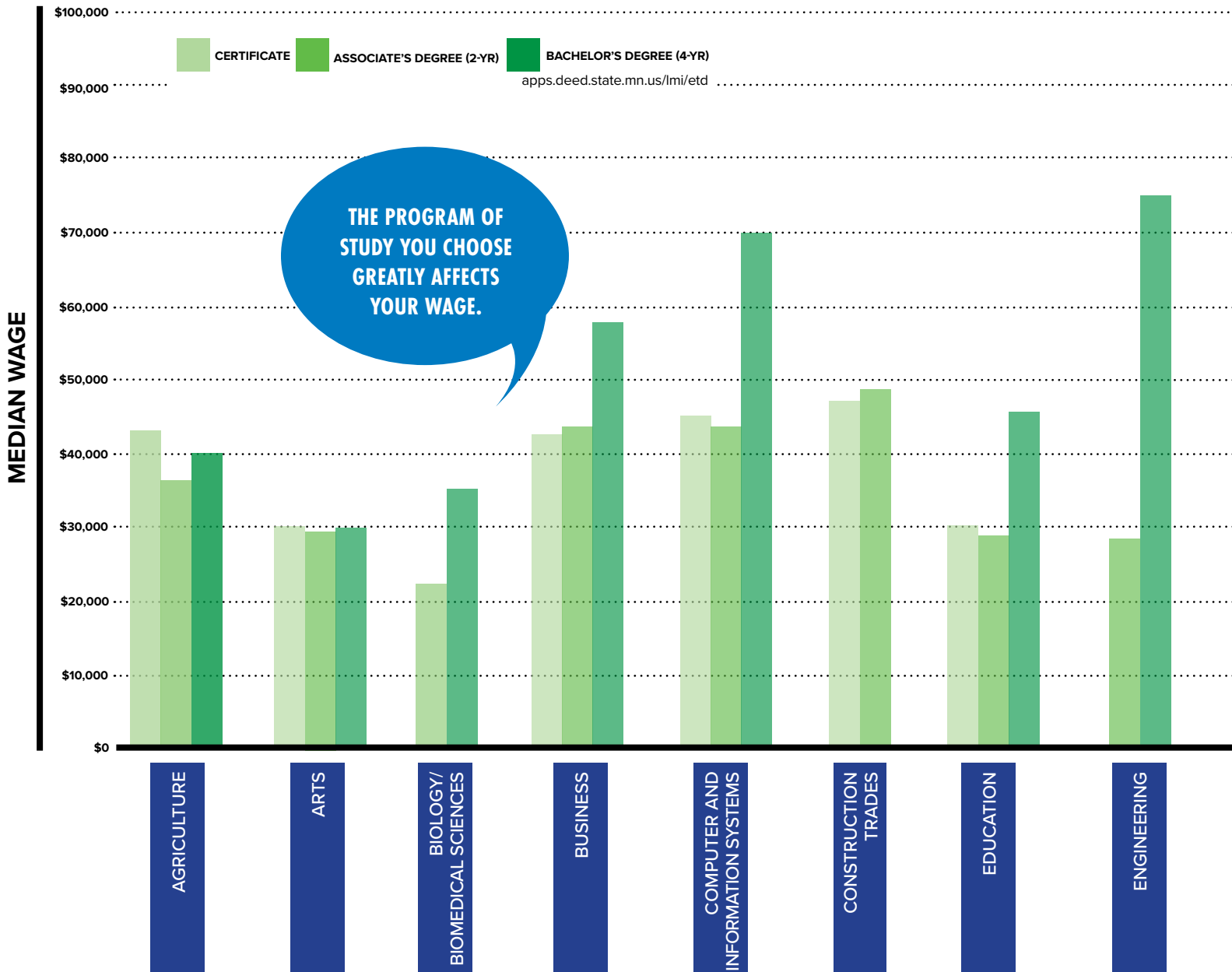
Source: mn.gov/deed/data



## YOUR RECIPE FOR SUCCESS:

**CHOOSE TO DO SOMETHING YOU ENJOY.**  
+  
**BE READY TO BE A LIFELONG LEARNER.**

# BY DEGREE AND PROGRAM OF STUDY FOR 2022 GRADUATES 2 YEARS AFTER GRADUATING



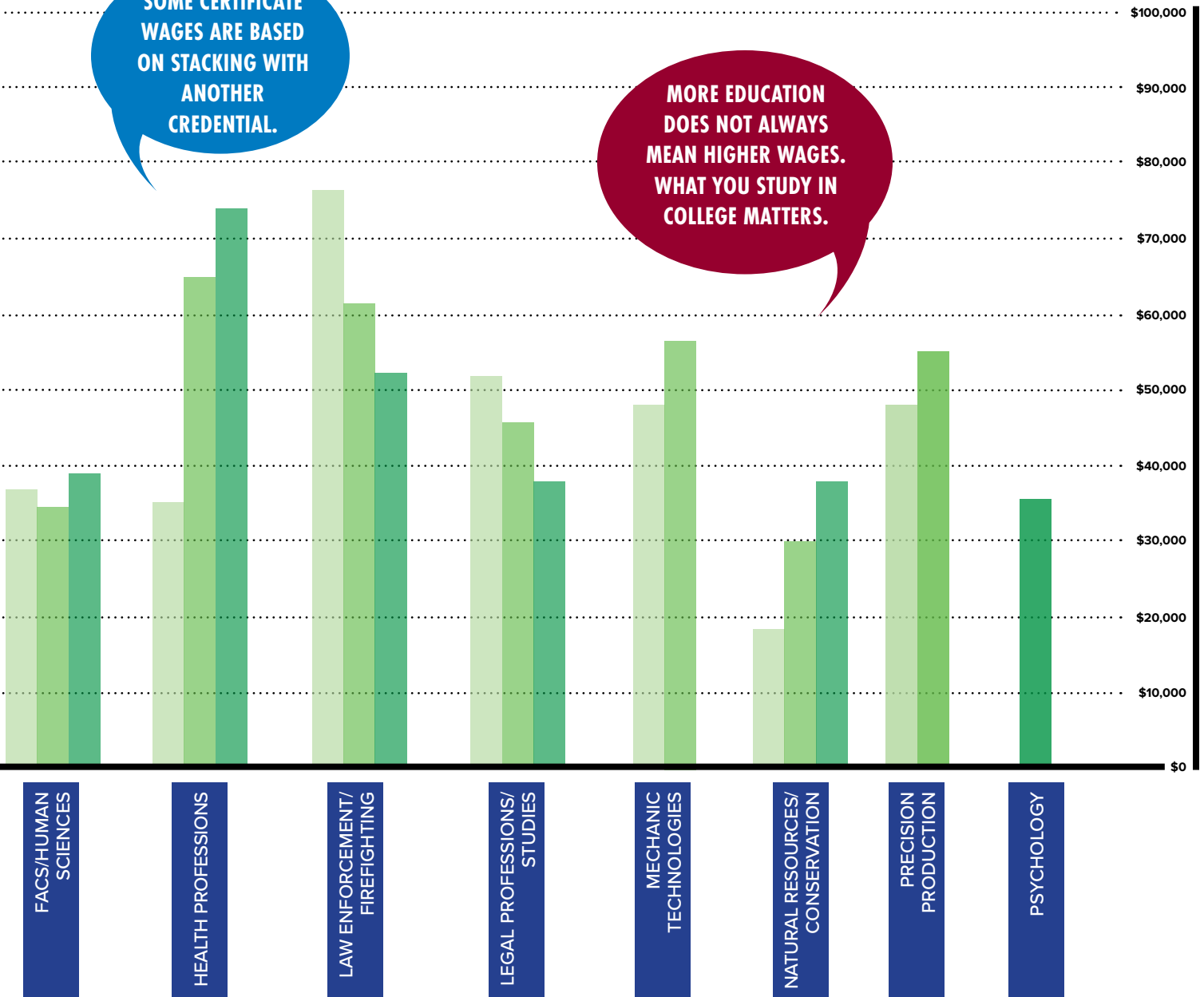
AT EACH LEVEL OF EDUCATION, THERE ARE JOB OPPORTUNITIES.

## TWIN CITIES METRO AREA OCCUPATIONS IN HIGH DEMAND BY EDUCATION LEVEL

SHORT-TERM CERTIFICATE	
Auto Body Technician	\$65,885
Head Chef	\$62,913
Welder	\$61,190
Dispatchers	\$57,587
Machine Operator	\$52,524
Medical Secretary	\$50,892
Real Estate Agent	\$46,615
Exercise Trainer	\$46,277

SOME CERTIFICATE WAGES ARE BASED ON STACKING WITH ANOTHER CREDENTIAL.

MORE EDUCATION DOES NOT ALWAYS MEAN HIGHER WAGES. WHAT YOU STUDY IN COLLEGE MATTERS.



VOCATIONAL TRAINING OR ASSOCIATE'S DEGREE	
Registered Nurse	\$103,822
Plumber/Pipefitter	\$100,682
Dental Assistant	\$97,477
Electrician	\$98,645
Radiologic Technician	\$84,258
Paralegal	\$76,190
Machinist	\$61,474
Veterinary Technician	\$55,999

BACHELOR'S DEGREE OR HIGHER	
Human Resources Manager	\$161,164
Software Developer	\$131,485
Construction Manager	\$122,073
Data Scientist	\$121,714
Computer Systems Analyst	\$112,520
Mechanical Engineer	\$102,171
Accountant	\$84,154
Elementary Teacher	\$77,347



UNDERSTAND WHAT OCCUPATIONS ARE IN HIGH OR GROWING DEMAND.



# CONNECTING & SUPPORTING SUCCESS

## Management & Entrepreneurship

COURSE #	COURSE NAME	GRADE(S)	CREDIT(S)	PREREQUISITE
2100	Accounting I	9-12		
2110	Accounting II	9-12		
2230	College Introduction to Business	10-12	U/C	
2250	Principles of Management	10-12	U/C	
2050	Business Computer Applications	10-12	U/C	
2040	Business Information Systems	10-12	U/C	
2220	Principles of Marketing	10-12	U/C	
2240	Human Relations in Business	10-12	U/C	
5252+	AP Pre-Calculus	10-12	U	
2415+	AP Seminar/AP Research	10-12	U	
7211+	AP Microeconomics	11-12	U	
2016+	AP Business & Personal Finance	11-12	U	
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓

Potential CREDITS to Earn:  
**(U)** Ranger University class  
**(C)** Certification

- RECOMMENDED ACTIVITIES/ CREDENTIALS**
- Business Essentials Certification
  - Microsoft Office Specialist Certification (MOS)
  - IC3 Certification
  - DECA
  - Student Council
  - Link Leader
  - Develop leadership skills through clubs, sports, work, service, etc.

## Digital Technology

COURSE #	COURSE NAME	GRADE(S)	CREDIT(S)	PREREQUISITE
5430+	IT Explorations	9-12	C	
5436	Intro to C++	9-12		
5440+	AP Computer Science Principles	9-12	U	
3600	Robotics and Automation	9-12		
2050	Business Computer Applications	10-12	U/C	
2040	Business Information Systems	10-12	U/C	
5252+	AP Pre-Calculus	10-12	U	
xxxx+	AP Chemistry/AP Biology &/or AP Physics	10-12	U	
2415+	AP Seminar/AP Research	10-12	U	
5445+	AP Computer Science	11-12	U	✓
5255+	AP Calculus I	11-12	U	
4115	CIS Advanced Public Speaking	11-12	U	
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓

+ indicates required co-requisite.  
 Course requirements may vary. Check course catalog.



<p><b>CUSTOMER SERVICE REP</b>          MEDIAN SALARY  <b>\$48,692</b>  <b>PROJECTED GROWTH:</b>          -4.4%  <b>EDUCATION</b>  <b>HIGH SCHOOL DIPLOMA</b></p>	<p><b>HUMAN RESOURCES SPECIALIST</b>          MEDIAN SALARY  <b>\$79,936</b>  <b>PROJECTED GROWTH:</b>          6.4%  <b>EDUCATION</b>  <b>BACHELOR'S DEGREE</b></p>	<p><b>COMPUTER NETWORK SPECIALIST</b>          MEDIAN SALARY  <b>\$81,143</b>  <b>PROJECTED GROWTH:</b>          7.6%  <b>EDUCATION</b>  <b>ASSOCIATE'S DEGREE</b></p>	<p><b>WEB DEVELOPER</b>          MEDIAN SALARY  <b>\$105,392</b>  <b>PROJECTED GROWTH:</b>          16.5%  <b>EDUCATION</b>  <b>BACHELOR'S DEGREE</b></p>	<p><b>DATA SCIENTIST</b>          MEDIAN SALARY  <b>\$121,714</b>  <b>PROJECTED GROWTH:</b>          33.1%  <b>EDUCATION</b>  <b>GRADUATE DEGREE</b></p>
---	--	--	---	--

<https://mn.gov/deed/data/data-tools/career-pathways-tool/>



## CONNECTING & SUPPORTING SUCCESS

### Marketing and Sales

COURSE #	COURSE NAME	GRADE(S)	CREDIT(S)	PREREQUISITE
2022	Web Design & Social Media Marketing	9-12		
1610	Graphic Design I	9-12	C	
1620	Graphic Design II	10-12		✓
2220	Principles of Marketing	10-12	U/C	
2230	College Introduction to Business	10-12	U/C	
2050	Business Computer Applications	10-12	U/C	
2040	Business Information Systems	10-12	U	
2240	Human Relations in Business	10-12	U/C	
2505	Fashion Marketing and Design	10-12		
2415+	AP Seminar/Research	10-12	U	
7306	Psych and/or	10-12		
7316+	AP Psychology	11-12	U	
5449+	AP Statistics	10-12	U	
5252+	AP Pre-Calculus	10-12	U	
2016+	AP Business & Personal Finance	11-12	U	
4115	CIS Advanced Public Speaking	11-12	U	
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓

+ indicates required co-requisite.  
Course requirements may vary. Check course catalog.

Potential CREDITS to Earn:  
(U) Ranger University class  
(C) Certification

#### RECOMMENDED ACTIVITIES/ CREDENTIALS

Business Essentials  
Certification

Microsoft Office  
Specialist  
Certification (MOS)

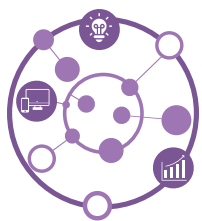
Investment Club

DECA

Student Council

Link Leader

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



**OCCUPATIONS**  
(Twin Cities Metro Area  
Data from DEED)

#### DRIVER/SALES WORKER

MEDIAN SALARY

**\$32,814**

PROJECTED  
GROWTH:

11.0%

EDUCATION  
HIGH SCHOOL  
DIPLOMA

#### REAL ESTATE AGENT

MEDIAN SALARY

**\$46,615**

PROJECTED  
GROWTH:

3.1%

EDUCATION  
HIGH SCHOOL  
DIPLOMA

#### PUBLIC RELATIONS SPECIALIST

MEDIAN SALARY

**\$68,889**

PROJECTED  
GROWTH:

5.9%

EDUCATION  
BACHELOR'S  
DEGREE

#### MARKET RESEARCH ANALYST

MEDIAN SALARY

**\$88,321**

PROJECTED  
GROWTH:

14.4%

EDUCATION  
BACHELOR'S  
DEGREE

#### FUNDRAISING MANAGER

MEDIAN SALARY

**\$126,897**

PROJECTED  
GROWTH:

6.7%

EDUCATION  
BACHELOR'S  
DEGREE

<https://mn.gov/deed/data/data-tools/career-pathways-tool/>





# CARING FOR COMMUNITIES

## Education

COURSE #	COURSE NAME	GRADE(S)	CREDIT	PREREQUISITE
2805	Family Dynamics	9-12		
7306	Psychology	9-12		
7205	Anthropology	9-12		
7307	Sociology	9-12		
7488+	AP Human Geography	9-12	U	
2415+	AP Seminar/AP Research	10-12	U	
2800	Psychology of Childhood	10-12		
2813+	Exploring Education	11-12	U	✓
2419	Exploring the Teaching Profession I	11-12	U	
2420	Exploring the Teaching Profession II	11-12	U	✓
7300	Contemporary Social Issues	11-12		
7316+	AP Psychology	11-12	U	
7012+	AP U. S. History	11-12	U	
4115	CIS Advanced Public Speaking	11-12	U	
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓
4221	CIS University Writing	12	U	
	World Language Electives			

Potential CREDITS to Earn:  
 (U) Ranger University class  
 (C) Certification

### RECOMMENDED ACTIVITIES/ CREDENTIALS

- Student Council
- Link Leader
- National Honors Society
- 4H Youth Teaching Youth
- Volunteer/Work with young people: coach a sport, church groups, childcare, etc.
- Develop leadership skills through clubs, sports, work, service, etc.

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

+ indicates required co-requisite. Course requirements may vary. Check course catalog.



**OCCUPATIONS**  
 (Twin Cities Metro Area  
 Data from DEED)

<p><b>COACH/SCOUT</b>            MEDIAN SALARY  <b>\$48,483</b>            PROJECTED GROWTH:            14.1%  <b>EDUCATION</b>  <b>HIGH SCHOOL DIPLOMA</b></p>	<p><b>PRESCHOOL TEACHER</b>            MEDIAN SALARY  <b>\$39,217</b>            PROJECTED GROWTH:            12.2%  <b>EDUCATION</b>  <b>BACHELOR'S DEGREE</b></p>	<p><b>SECONDARY TEACHER</b>            MEDIAN SALARY  <b>\$65,665</b>            PROJECTED GROWTH:            5.2%  <b>EDUCATION</b>  <b>BACHELOR'S DEGREE</b></p>	<p><b>TRAINING &amp; DEVELOPMENT SPECIALIST</b>            MEDIAN SALARY  <b>\$80,261</b>            PROJECTED GROWTH:            7.7%  <b>EDUCATION</b>  <b>BACHELOR'S DEGREE</b></p>	<p><b>EDUCATION ADMINISTRATOR</b>            MEDIAN SALARY  <b>\$105,727</b>            PROJECTED GROWTH:            3.9%  <b>EDUCATION</b>  <b>MASTER'S DEGREE</b></p>
---	---	--	--	---

<https://mn.gov/deed/data/data-tools/career-pathways-tool/>





# CARING FOR COMMUNITIES

## Healthcare & Human Services

COURSE #	COURSE NAME	GRADE(S)	CREDIT(S)	PREREQUISITE
2430	Exploring Medical Careers	9-12		
7205	Anthropology	9-12		
7307	Sociology	9-12		
7306	Psychology	10-12		
2415+	AP Seminar/AP Research	10-12	U	
6612	Criminalistics	10-12		
6701+	Chemistry and/or	10-11		
6712+	AP Chemistry	10-12	U	
5252+	AP Pre-Calculus	10-12	U	
5449+	AP Statistics	10-12	U	
2432	Medical Terminology	10-12	U	
2431	Medical Dosages	11-12	U	
2433	Pharmacology	11-12	U	
2440	Nursing Assistant Comprehensive (CNA)	11-12	U/C	
2450	Emergency Medical Responder	11-12	U/C	
2451+	Emergency Medical Technician	12	U/C	✓
6715	Organic Chemistry	11-12		
6615+	AP Biology	11-12	U	
6611	Human Anatomy and Physiology	11-12		
6613	Genetics in Medicine	11-12		
0303	CIS Animal Science	11-12	U	
0305	Animal Health and Veterinary Science	11-12		
7316+	AP Psychology	11-12	U	
6119	Aerobic & Strength Training I	11-12	C	
6129	Aerobic & Strength Training II	11-12	C	✓
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓
	World Language Electives			

+ indicates required co-requisite.  
Course requirements may vary. Check course catalog.

Potential CREDITS to Earn:  
(U) Ranger University class  
(C) Certification

- RECOMMENDED ACTIVITIES/ CREDENTIALS**
- Health Occupations Students of America (HOSA) Club
  - CNA Certification
  - EMR Certification
  - EMT Certification
  - OSHA 10 Certification
  - Complete Personal Trainer & Group Fitness Instructor Certification
  - 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)

<p><b>COSMETOLOGIST</b> MEDIAN SALARY <b>\$46,871</b> PROJECTED GROWTH: 10.3% EDUCATION CERTIFICATE/ DIPLOMA</p>	<p><b>RADIOLOGIC TECHNOLOGIST</b> MEDIAN SALARY <b>\$84,258</b> PROJECTED GROWTH: 6.1% EDUCATION ASSOCIATE'S DEGREE</p>	<p><b>TECHNICAL WRITER</b> MEDIAN SALARY <b>\$77,358</b> PROJECTED GROWTH: 5.9% EDUCATION BACHELOR'S DEGREE</p>	<p><b>MENTAL HEALTH &amp; SOCIAL WORKER</b> MEDIAN SALARY <b>\$78,812</b> PROJECTED GROWTH: 5.9% EDUCATION MASTER'S DEGREE</p>	<p><b>NURSE PRACTITIONER</b> MEDIAN SALARY <b>\$130,397</b> PROJECTED GROWTH: 39.8% EDUCATION DOCTOR'S DEGREE</p>
--	---	---	--	---

<https://mn.gov/deed/data/data-tools/career-pathways-tool/>

# CARING FOR COMMUNITIES

## Public Service & Safety

COURSE #	COURSE NAME	GRADE(S)	CREDIT(S)	PREREQUISITE
7307	Sociology	9-12		
7306	Psychology	9-12		
7205	Anthropology	9-12		
2300	Business and Personal Law I	9-12		
2310	Business and Personal Law II	9-12		
7488+	AP Human Geography	9-12	U	
7051+	AP World History	10-12	U	
2415+	AP Seminar/AP Research	10-12	U	
7027	International Relations	10-12		
2450	Emergency Medical Responder	10-12	U/C	
7300	Contemporary Social Issues	11-12		
7316+	AP Psychology	11-12	U	
7012+	AP U.S History	11-12	U	
7211+	AP Microeconomics	11-12	U	
4115	CIS Advanced Public Speaking	11-12	U	
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓
4221	CIS University Writing	12	U	

+ indicates required co-requisite.  
Course requirements may vary. Check course catalog.

Potential CREDITS to Earn:  
(U) Ranger University class  
(C) Certification

### RECOMMENDED ACTIVITIES/ CREDENTIALS

- History Day
- Speech
- Student Council
- Link Leader
- National Honors Society
- Law Enforcement Exploring
- Develop leadership skills through clubs, sports, work, service, etc.



**OCCUPATIONS**  
(Twin Cities Metro Area  
Data from DEED)

**CORRECTIONS OFFICER**  
MEDIAN SALARY

**\$77,828**

**PROJECTED GROWTH:**  
-6.5%

**EDUCATION**  
**HIGH SCHOOL DIPLOMA**

**FIREFIGHTER CAPTAIN**  
MEDIAN SALARY

**\$84,747**

**PROJECTED GROWTH:**  
3.9%

**EDUCATION**  
**CERTIFICATE/DIPLOMA**

**PARALEGAL**  
MEDIAN SALARY

**\$76,190**

**PROJECTED GROWTH:**  
3.2%

**EDUCATION**  
**ASSOCIATE'S DEGREE**

**POLICE OFFICER**  
MEDIAN SALARY

**\$97,755**

**PROJECTED GROWTH:**  
4.6%

**EDUCATION**  
**ASSOCIATE'S DEGREE**

**LAWYER**  
MEDIAN SALARY

**\$152,237**

**PROJECTED GROWTH:**  
8.3%

**EDUCATION**  
**DOCTOR'S DEGREE**

<https://mn.gov/deed/data/data-tools/career-pathways-tool/>



# CULTIVATING RESOURCES

## Agriculture

COURSE #	COURSE NAME	GRADE(S)	CREDIT(S)	PREREQUISITE
0300	Animal Science	9-12	C	
0306	Companion Animal Science	9-12	C	
0400	Horse & Horsemanship	9-12		
0001	Youth Leadership	9-12		
0505	Floral Design	9-12		
0502	Landscape Design and Construction	9-12	U	
0504	Greenhouse Technology	9-12	U	
0501	Plant Science Concepts	10-12	U	
2050	Business Computer Applications	10-12	U/C	
2415	AP Seminar/AP Research	10-12	U	
6712	AP Chemistry	10-12	U	
5252+	AP Pre-Calculus	10-12	U	
0650	Agricultural Economics	11-12		
0305	Animal Health and Veterinary Science	11-12	C	
0303	CIS Animal Science	11-12	U	
6615+	AP Biology	11-12	U	
6611	Human Anatomy and Physiology	11-12		
6715	Organic Chemistry	11-12		
6613	Genetics in Medicine	11-12		
2413	Career Launch	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓

+ indicates required co-requisite.  
Course requirements may vary. Check course catalog.

Potential CREDITS to Earn:  
(U) Ranger University class  
(C) Certification

- RECOMMENDED ACTIVITIES/ CREDENTIALS**
- FFA
  - Environmental Club
  - DECA
  - Veterinary Technician Certification
  - Microsoft Office Specialist Certification (MOS)
  - 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)

<p><b>LANDSCAPER</b> MEDIAN SALARY <b>\$48,828</b> PROJECTED GROWTH: 5.5% EDUCATION HIGH SCHOOL DIPLOMA</p>	<p><b>VETERINARY ASSISTANT</b> MEDIAN SALARY <b>\$44,774</b> PROJECTED GROWTH: 18.5% EDUCATION ASSOCIATE'S DEGREE</p>	<p><b>GEOSCIENTIST</b> MEDIAN SALARY <b>\$72,999</b> PROJECTED GROWTH: 10.4% EDUCATION BACHELOR'S DEGREE</p>	<p><b>SOIL &amp; PLANT SCIENTIST</b> MEDIAN SALARY <b>\$77,279</b> PROJECTED GROWTH: 4.5% EDUCATION BACHELOR'S DEGREE</p>	<p><b>VETERINARIAN</b> MEDIAN SALARY <b>\$126,992</b> PROJECTED GROWTH: 22.8% EDUCATION DOCTOR'S DEGREE</p>
---	---	--	---	---

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



# CULTIVATING RESOURCES

## Energy & Natural Resources

COURSE #	COURSE NAME	GRADE(S)	CREDIT	PREREQUISITE
0201	Natural Resource Science	9-12		
0205	Fish and Wildlife Management	9-12	C	
0001	Youth Leadership	9-12		
6621+	AP Environmental Science	9-12	U	
6805	Meteorology	10-12		
2415+	AP Seminar/AP Research	10-12	U	
6712+	AP Chemistry	10-12	U	
5252+	AP Pre-Calculus	10-12	U	
5449+	AP Statistics	10-12	U	
0650	Agricultural Economics	11-12		
6605	Environmental Science	11-12		
6615+	AP Biology	11-12	U	
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓

+ indicates required co-requisite.  
Course requirements may vary. Check course catalog.

Potential CREDITS to Earn:  
(U) Ranger University class  
(C) Certification

RECOMMENDED  
ACTIVITIES/  
CREDENTIALS

FFA

Environmental Club

OSHA 10  
Certification

Advanced Hunter  
Certification

Attend field trips/  
tours

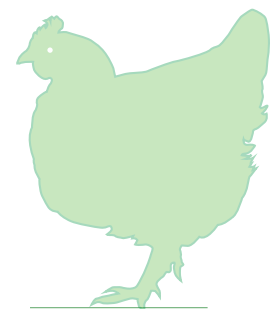
Develop leadership  
skills through clubs,  
sports, work, service,  
etc.



**OCCUPATIONS**  
(Twin Cities Metro Area  
Data from DEED)

<p>REFUSE/ RECYCLABLE COLLECTOR MEDIAN SALARY <b>\$65,789</b> PROJECTED GROWTH: 4.2% EDUCATION HIGH SCHOOL DIPLOMA</p>	<p>FOREST CONSER- VATIONIST MEDIAN SALARY <b>\$69,439</b> PROJECTED GROWTH: 5.7% EDUCATION ASSOCIATE'S DEGREE</p>	<p>ENVIRONMENTAL SCIENTIST MEDIAN SALARY <b>\$94,972</b> PROJECTED GROWTH: 7.3% EDUCATION BACHELOR'S DEGREE</p>	<p>ENVIRONMENTAL ENGINEER MEDIAN SALARY <b>\$110,385</b> PROJECTED GROWTH: 5.1% EDUCATION BACHELOR'S DEGREE</p>	<p>NATURAL SCIENCES MANAGER MEDIAN SALARY <b>\$136,473</b> PROJECTED GROWTH: 8.1% EDUCATION BACHELOR'S DEGREE</p>
--	---	---	---	---

<https://mn.gov/deed/data/data-tools/career-pathways-tool/>





# BUILDING & MOVING

## Construction

COURSE #	COURSE NAME	GRADE(S)	CREDIT	PREREQUISITE
3995	9th Grade Metal & Woods	9		
3998	9th Grade Carpentry	9		
3700	Introduction to Computer Aided Drafting	9-12	C	
3300	Electricity/Electronics I	9-12		
3310	Electricity/Electronics II	10-12		✓
1110	Drawing & Painting I	9-12		
1120	Drawing & Painting II	10-12		✓
1310	Drawing & Printmaking I	9-12		
1320	Drawing & Printmaking II	10-12		✓
2415+	AP Seminar/ AP Research	10-12	U	
3151	Metals I	10-12		
3152	Metals II	10-12		✓
3153	Metals III	11-12		✓
3000	Cabinetmaking I	10-12		
3010	Cabinetmaking II	10-12		✓
3020	Cabinetmaking III	10-12		✓
3015	Carpentry I	10-12		
3025+	Carpentry II	11-12		✓
3710	Architecture I	10-12		
3720	Architecture II	10-12		✓
6907+	AP Physics	10-12	U	
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓

+ indicates required co-requisite.  
Course requirements may vary. Check course catalog.

Potential CREDITS to Earn:  
(U) Ranger University class  
(C) Certification

RECOMMENDED  
ACTIVITIES/  
CREDENTIALS

SOLIDWORKS  
Certification

OSHA 10  
Certification

Attend field trip/tours

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



**OCCUPATIONS**  
(Twin Cities Metro Area  
Data from DEED)

<p><b>OPERATING ENGINEER</b> MEDIAN SALARY <b>\$83,667</b> PROJECTED GROWTH: 9.2% EDUCATION HIGH SCHOOL DIPLOMA</p>	<p><b>HVAC</b> MEDIAN SALARY <b>\$78,827</b> PROJECTED GROWTH: 7.5% EDUCATION CERTIFICATE/ DIPLOMA</p>	<p><b>ELECTRICIAN</b> MEDIAN SALARY <b>\$98,645</b> PROJECTED GROWTH: 9.7% EDUCATION CERTIFICATE/ DIPLOMA</p>	<p><b>ARCHITECTURAL DRAFTER</b> MEDIAN SALARY <b>\$70,783</b> PROJECTED GROWTH: 3.3% EDUCATION ASSOCIATE'S DEGREE</p>	<p><b>CIVIL ENGINEER</b> MEDIAN SALARY <b>\$103,648</b> PROJECTED GROWTH: 8.2% EDUCATION BACHELOR'S DEGREE</p>
---	--	---	---	--

<https://mn.gov/deed/data/data-tools/career-pathways-tool/>

# BUILDING & MOVING

## Advanced Manufacturing

COURSE #	COURSE NAME	GRADE(S)	CREDIT	PREREQUISITE
3997	9th Grade Engineering	9	C	
3995	9th Grade Metals & Woods	9		
3600	Robotics and Automation	9-12		
3700	Introduction to Computer Aided Drafting	9-12	C	
6621+	AP Environmental Science	9-12	U	
5440+	AP Computer Science Principles	9-12	U	
3151	Metals I	10-12		
3152	Metals II	10-12		✓
3153	Metals III	11-12		✓
3800	Engineering & Drafting I	10-12	U/C	
3810	Engineering & Drafting II	10-12	C	✓
3820	Engineering Design	11-12	C	✓
2415+	AP Seminar/AP Research	10-12	U	
5252+	AP Pre-Calculus	10-12	U	
5255+	AP Calculus I	11-12	U	
5258+	AP Calculus II	11-12	U	
5445+	AP Computer Science	11-12	U	✓
6907+	AP Physics	10-12	U	
6712+	AP Chemistry	10-12	U	
6615+	AP Biology	11-12	U	
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓

+ indicates required co-requisite.  
Course requirements may vary. Check course catalog.

Potential CREDITS to Earn:  
(U) Ranger University class  
(C) Certification

RECOMMENDED  
ACTIVITIES/  
CREDENTIALS

SOLIDWORKS  
Certification

OSHA 10  
Certification

Attend field trip/tours

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



**OCCUPATIONS**  
(Twin Cities Metro Area  
Data from DEED)

**PACKAGING  
MACHINE  
OPERATOR**

MEDIAN SALARY

**\$40,874**

**PROJECTED  
GROWTH:**  
3.9%

**EDUCATION  
HIGH SCHOOL  
DIPLOMA**

**MACHINIST**

MEDIAN SALARY

**\$61,474**

**PROJECTED  
GROWTH:**  
5.6%

**EDUCATION  
CERTIFICATE/  
DIPLOMA**

**HEALTH &  
SAFETY  
SPECIALIST**

MEDIAN SALARY

**\$94,970**

**PROJECTED  
GROWTH:**  
15%

**EDUCATION  
BACHELOR'S  
DEGREE**

**MECHANICAL  
ENGINEER**

MEDIAN SALARY

**\$102,171**

**PROJECTED  
GROWTH:**  
12.1%

**EDUCATION  
BACHELOR'S  
DEGREE**

**INDUSTRIAL  
PRODUCTION  
MANAGER**

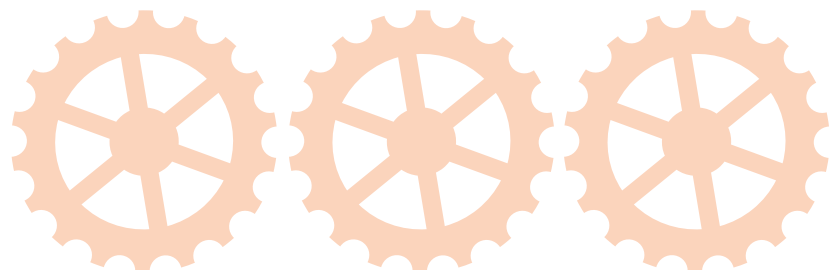
MEDIAN SALARY

**\$117,542**

**PROJECTED  
GROWTH:**  
5.4%

**EDUCATION  
BACHELOR'S  
DEGREE**

<https://mn.gov/deed/data/data-tools/career-pathways-tool/>





## BUILDING & MOVING

### Supply Chain & Transportation

COURSE #	COURSE NAME	GRADE(S)	CREDIT(S)	PREREQUISITE
5440+	AP Computer Science Principles	9-12	U	
2025	Business Computer Applications	10-12	U/C	
3520	Consumer Auto	10-12		
3500	Power Mechanics I	10-12		
3510	Power Mechanics II	10-12		✓
3521+	Auto Technology	11-12		✓
3200	Construction Explorations	11-12		
3210	Basic Grade and Construction Math	11-12	U	✓
3220	Basic Constr. Equipment Fundamentals	11-12	U	✓
3230	Basic Maintenance of Mobile Equipment	11-12	U	✓
5449+	AP Statistics	10-12	U	
5445+	AP Computer Science	11-12	U	✓
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		

+ indicates required co-requisite.  
Course requirements may vary. Check course catalog.

Potential CREDITS to Earn:  
(U) Ranger University class  
(C) Certification

#### RECOMMENDED ACTIVITIES/ CREDENTIALS

OSHA 10  
Certification

Attend field trips/  
tours

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



**OCCUPATIONS**  
(Twin Cities Metro Area  
Data from DEED)

**SCHOOL BUS  
DRIVER**

MEDIAN SALARY

**\$50,898**

**PROJECTED  
GROWTH:**

8.2%

**EDUCATION  
HIGH SCHOOL  
DIPLOMA**

**AUTOMOTIVE  
SERVICE  
TECHNICIAN**

MEDIAN SALARY

**\$63,327**

**PROJECTED  
GROWTH:**

3.3%

**EDUCATION  
CERTIFICATE/  
DIPLOMA**

**COMMERCIAL  
PILOT**

MEDIAN SALARY

**\$119,524**

**PROJECTED  
GROWTH:**

3.5%

**EDUCATION  
CERTIFICATE/  
DIPLOMA**

**AIR TRAFFIC  
CONTROLLER**

MEDIAN SALARY

**\$181,294**

**PROJECTED  
GROWTH:**

3.9%

**EDUCATION  
ASSOCIATE'S  
DEGREE**

**LOGISTICIAN  
(SUPPLY CHAIN)**

MEDIAN SALARY

**\$83,877**

**PROJECTED  
GROWTH:**

19.3%

**EDUCATION  
BACHELOR'S  
DEGREE**

<https://mn.gov/deed/data/data-tools/career-pathways-tool/>



# CREATING & EXPERIENCING

## Hospitality, Events, & Tourism

COURSE #	COURSE NAME	GRADE(S)	CREDIT(S)	PREREQUISITE
5430+	IT Exploration	9-12	C	
2317	Hospitality and Tourism Management	9-12		
2614+	Introduction to Culinary Arts	10-12	C	
2050	Buisness Computer Applications	10-12	U/C	
2415+	AP Seminar/AP Research	10-12	U	
7211+	AP Microeconomics	11-12	U	
7316+	AP Psychology	11-12	U	
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓

(U) Ranger University class  
(C) Certification

### RECOMMENDED ACTIVITIES/ CREDENTIALS

- ServSafe Certification
- Adobe Certification
- School play
- Speech
- DECA
- FFA
- Develop leadership skills through clubs, sports, work, service, etc.

## Arts, Entertainment & Design

COURSE #	COURSE NAME	GRADE(S)	CREDIT	PREREQUISITE
4407	Introduction to Media	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	
3025+	Graphic Design II	10-12		✓
1200	Photography I	9-12		
1210	Photography 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		
2505	Fashion Marketing and Design	10-12		
2700	Interior Space and Design	10-12		
2415+	AP Seminar/AP Research	10-12	U	
4701+	Yearbook	11-12		
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓
	Music Electives			
	World Language			



+ indicates required co-requisite.  
Course requirements may vary. Check course catalog.



**OCCUPATIONS**  
(Twin Cities Metro Area  
Data from DEED)

**BAKER**  
MEDIAN SALARY  
**\$40,051**  
**PROJECTED GROWTH:**  
4.6%  
**EDUCATION**  
**HIGH SCHOOL DIPLOMA**

**EVENT PLANNER**  
MEDIAN SALARY  
**\$60,750**  
**PROJECTED GROWTH:**  
8.5%  
**EDUCATION**  
**CERTIFICATE/ DIPLOMA**

**SET/EXHIBIT DESIGNER**  
MEDIAN SALARY  
**\$67,744**  
**PROJECTED GROWTH:**  
8.4%  
**EDUCATION**  
**BACHELOR'S DEGREE**

**INTERIOR DESIGNER**  
MEDIAN SALARY  
**\$71,639**  
**PROJECTED GROWTH:**  
5.5%  
**EDUCATION**  
**BACHELOR'S DEGREE**

**PRODUCER**  
MEDIAN SALARY  
**\$77,259**  
**PROJECTED GROWTH:**  
7%  
**EDUCATION**  
**BACHELOR'S DEGREE**



# INVESTING IN THE FUTURE

## Financial Services

(U) Ranger University class  
(C) Certification

COURSE #	COURSE NAME	GRADE(S)	CREDIT	PREREQUISITE
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	
2250	Principles of Management	10-12	U/C	
2220	Principles of Marketing	10-12	U/C	
2040	Business Information Systems	10-12	U/C	
2050	Business Computer Applications	10-12	U/C	
2415+	AP Seminar/AP Research	10-12	U	
5252+	AP Pre-Calculus	10-12	U	
5449+	AP Statistics	10-12	U	
2027	Personal Money Management	11-12		
2706	Financial Skills for Life	11-12		
2016+	AP Business & Personal Finance	11-12	U	
7211+	AP Microeconomics	11-12	U	
2413	Career Launch A Explore	11-12	C	✓
2414	Career Launch B Experience (Internship)	11-12		✓

**RECOMMENDED ACTIVITIES/ CREDENTIALS**

Business Essentials Certification

Microsoft Office Specialist Certification (MOS)

Investment Club

DECA

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

+ indicates required co-requisite.  
Course requirements may vary. Check course catalog.

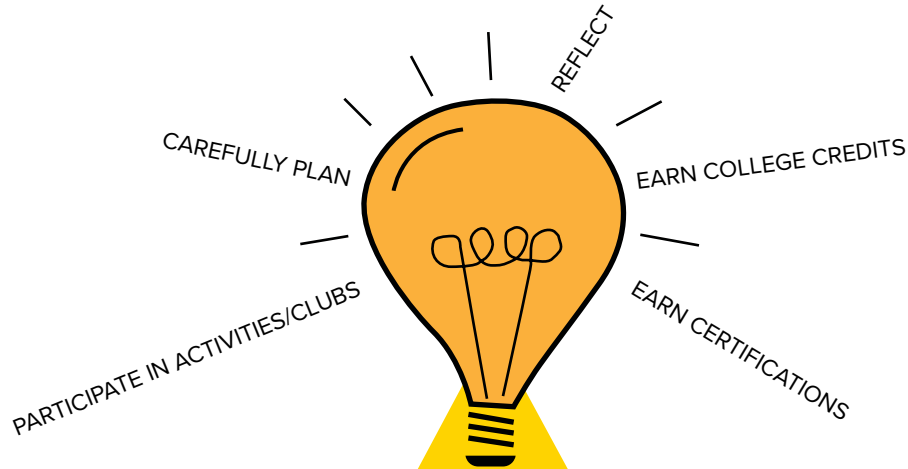


<p><b>BILLING CLERK</b> MEDIAN SALARY <b>\$56,126</b> PROJECTED GROWTH: .1% EDUCATION HIGH SCHOOL DIPLOMA</p>	<p><b>INSURANCE SALES AGENT</b> MEDIAN SALARY <b>\$83,365</b> PROJECTED GROWTH: 7.3% EDUCATION HIGH SCHOOL DIPLOMA</p>	<p><b>ACCOUNTANT</b> MEDIAN SALARY <b>\$84,154</b> PROJECTED GROWTH: 5.3% EDUCATION BACHELOR'S DEGREE</p>	<p><b>FINANCIAL ANALYST</b> MEDIAN SALARY <b>\$104,463</b> PROJECTED GROWTH: 6.8% EDUCATION BACHELOR'S DEGREE</p>	<p><b>ACTUARY</b> MEDIAN SALARY <b>\$110,738</b> PROJECTED GROWTH: 24.3% EDUCATION BACHELOR'S DEGREE</p>
---	--	---	---	--

<https://mn.gov/deed/data/data-tools/career-pathways-tool/>



# MAXIMIZE YOUR OPPORTUNITIES AT FOREST LAKE AREA HIGH SCHOOL!



## ADVANCED EDUCATION/TRAINING



Employed • Enlisted • Enrolled

## 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



Adaptability • Communication • Problem Solving • Team Work • Initiative • Independence  
Critical Thinking • Perseverance • Time Management • Professionalism



### FOR GUIDANCE:

Use Xello | Talk to Your Ranger Connect Teacher | Talk to Your Dean | Talk to the College & Career Coordinator