



CAREER PATHWAYS GUIDE

YOUR GUIDE
FOR THRIVING IN
HIGH SCHOOL
AND BEYOND!



RANGER TERRITORY

Forest Lake Area Schools

2026-27

PATHWAY PLANNING AT FOREST LAKE AREA HIGH SCHOOL

ARE YOU GOING TO BE...?

EMPLOYED

ENLISTED

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

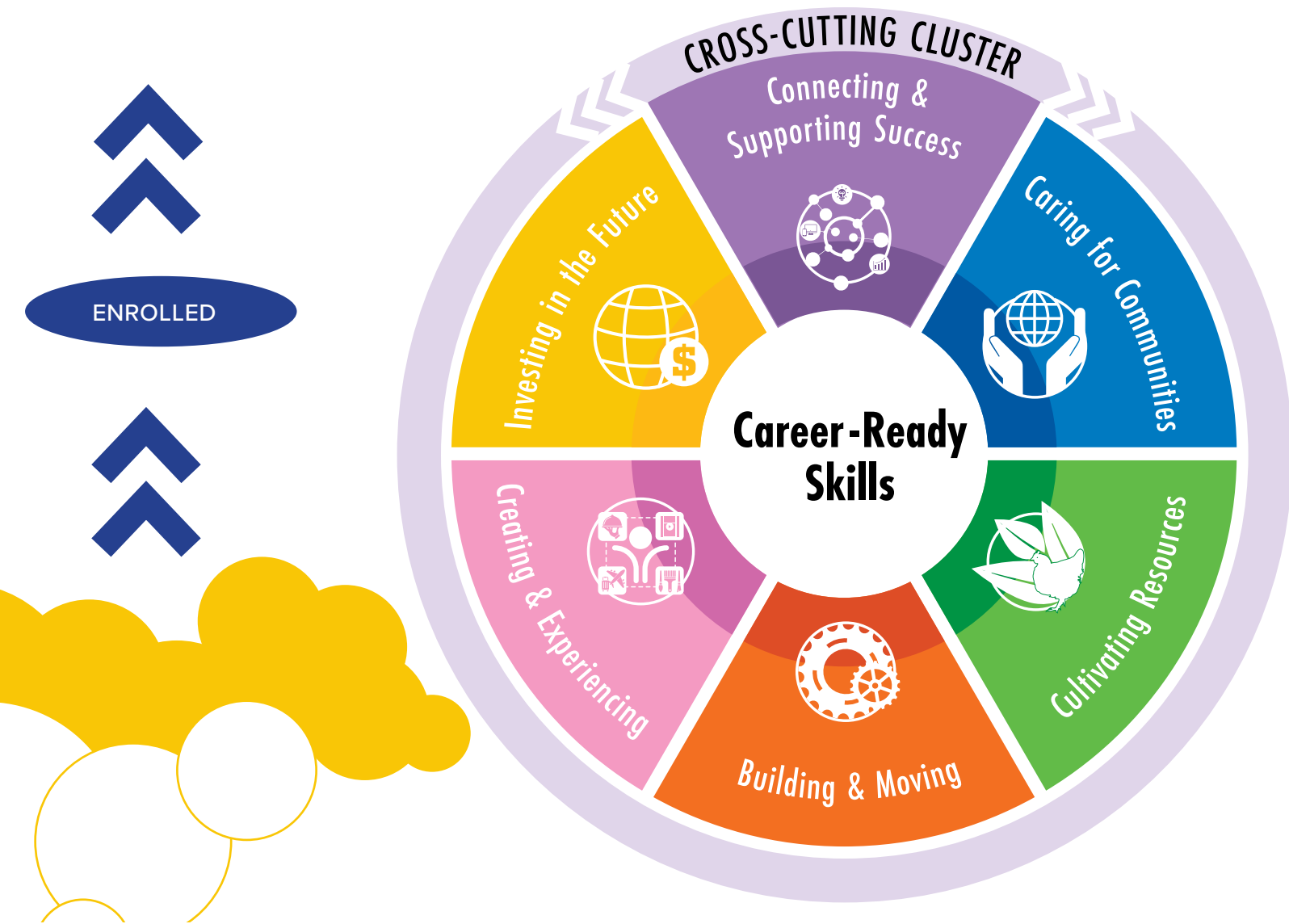
CLASS OF 2028 & BEYOND GRADUATION REQUIREMENTS:

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
TOTAL REQUIRED CREDITS	26

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?

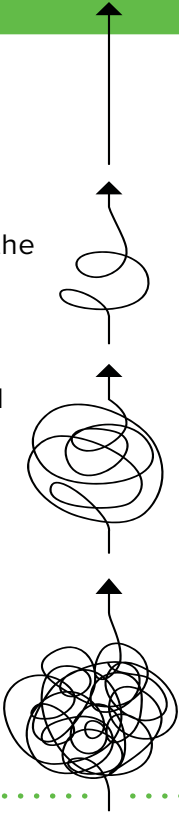
Demonstrate endurance and capacity to complete tasks

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

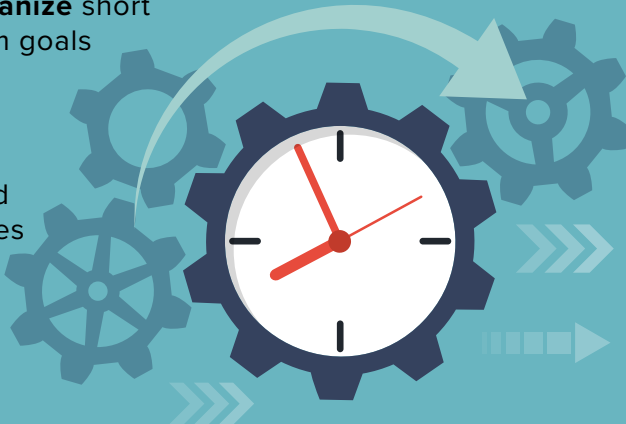
Proactively support classmates and teachers



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

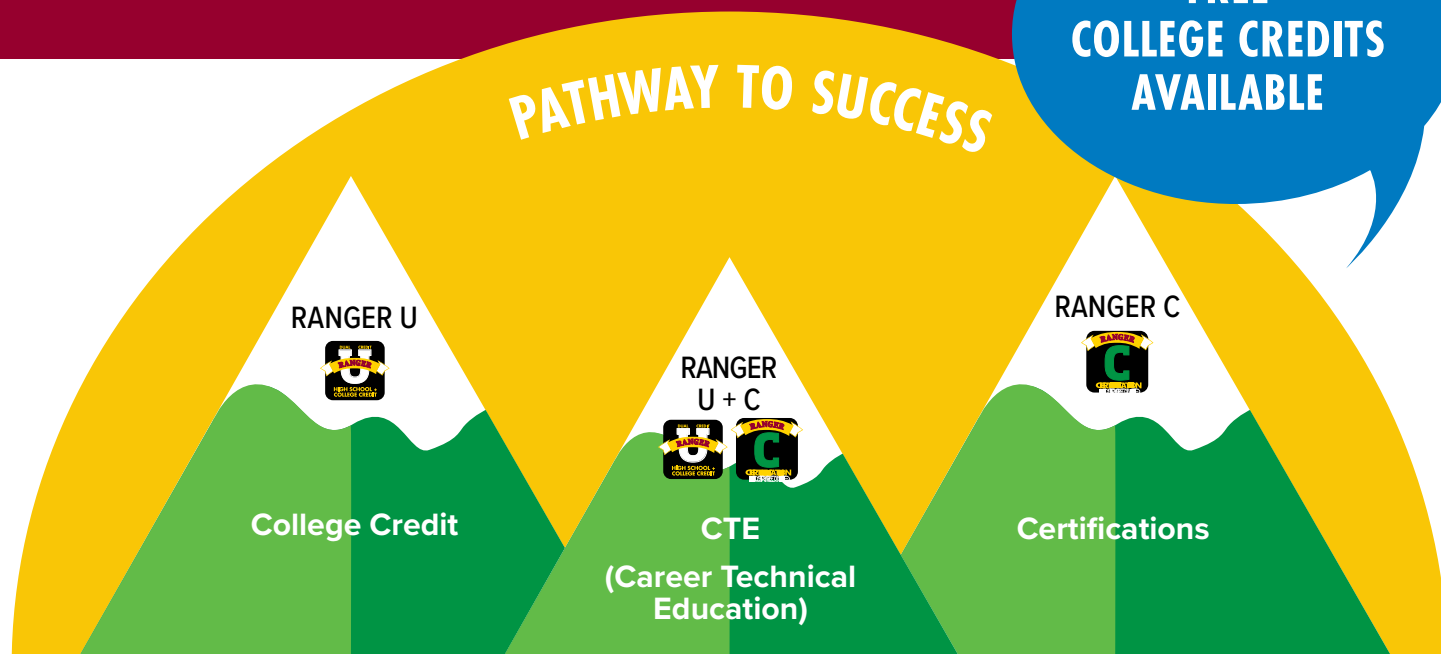
Be socially aware and ethically responsible when managing challenging school and work environments



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)

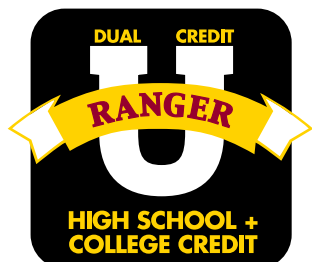
COLLEGE GENERAL EDUCATION REQUIREMENTS	RANGER U COURSE
Goal Area 1: Communication	AP Language and Composition, CIS Advanced Public Speaking
Goal Area 2: Critical Thinking	AP Chemistry, AP Physics, AP Statistics
Goal Area 3: Natural Sciences	AP Biology, AP Chemistry, AP Physics
Goal Area 4: Mathematical/Logical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



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

WHAT YOU NEED TO KNOW ABOUT EARNING COLLEGE CREDIT.

AP	CONCURRENT COURSES	PSEO
• 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	• 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	• 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
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.



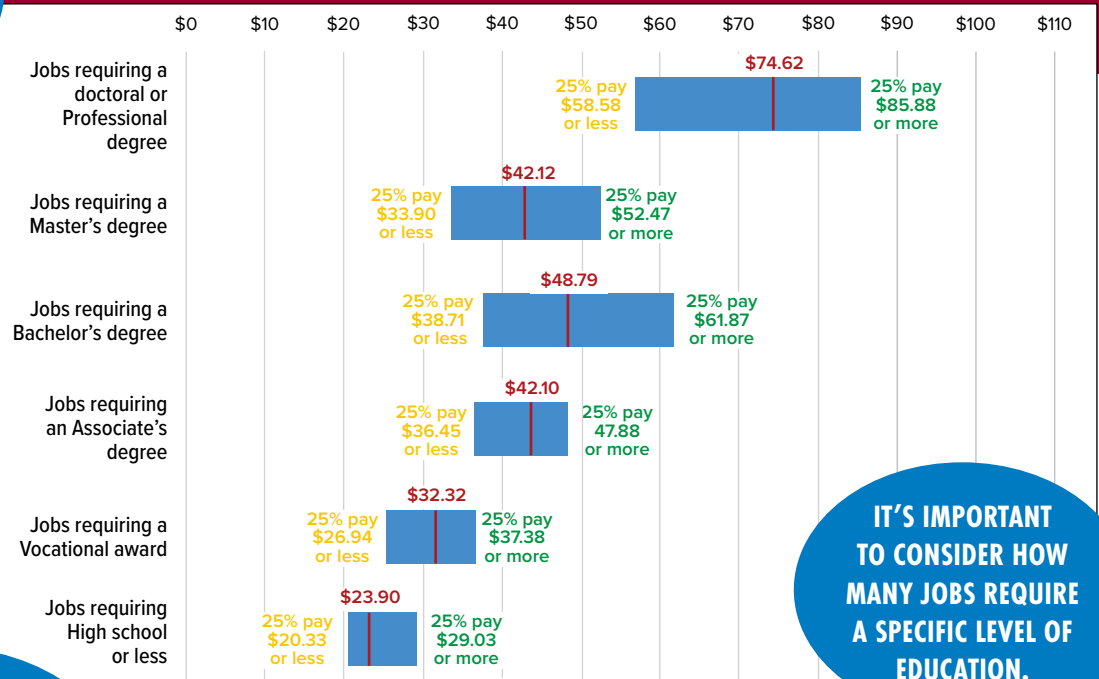
200 ELECTIVE CHOICES ACROSS ALL DEPARTMENTS

**"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

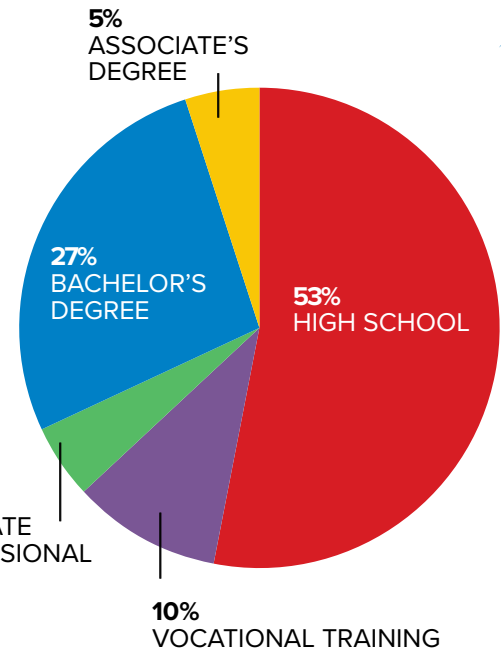


**DO YOUR
EDUCATION AND
CAREER GOALS/CHOICES
PROVIDE YOU
FINANCIAL
STABILITY?**

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

TWIN CITIES BREAKDOWN OF JOBS BY EDUCATIONAL REQUIREMENTS

Source: mn.gov/deed/data



FLAHS GRADUATES

Source: SLEDs

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

69%

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

42%

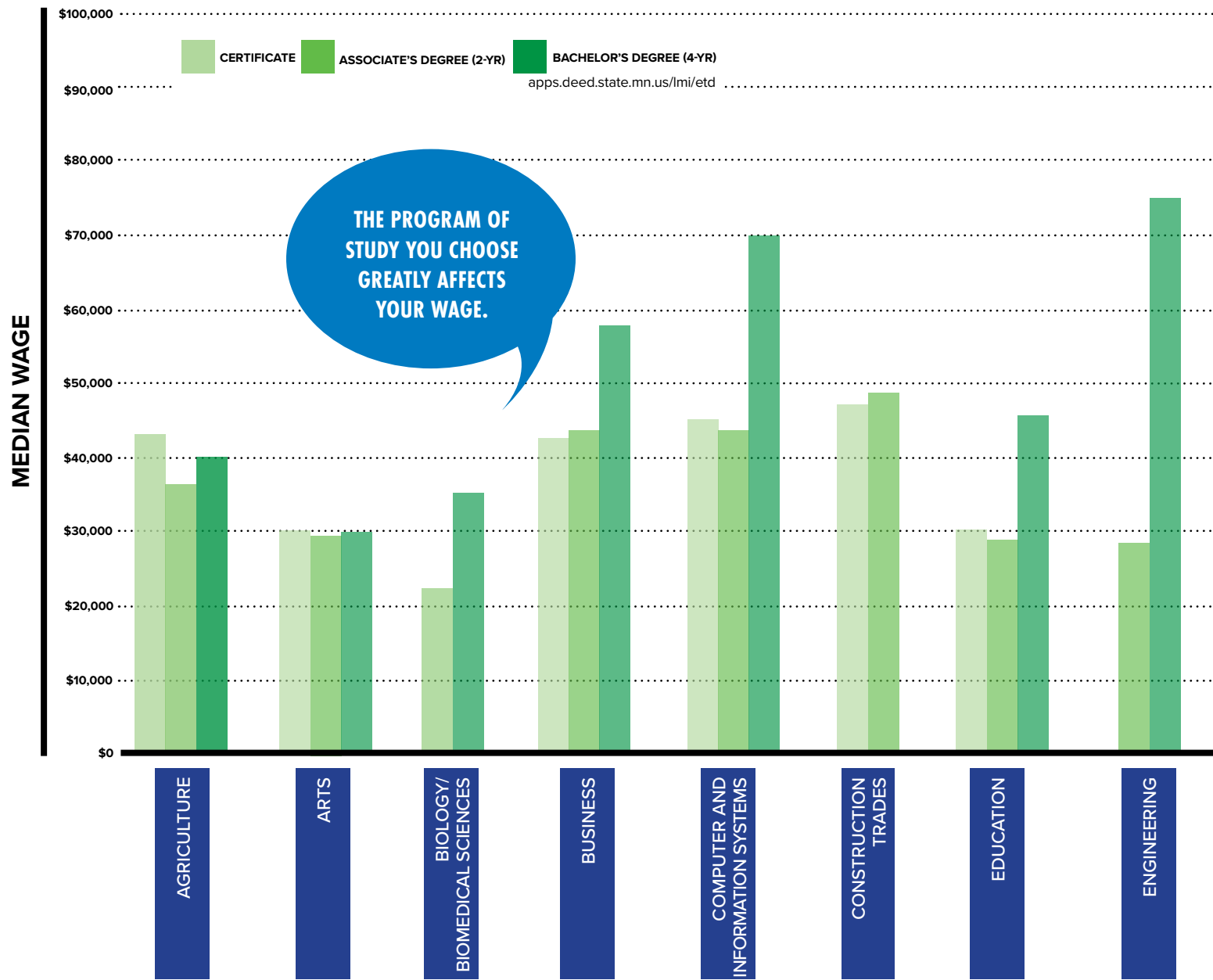
61%

FLAHS GRADS
(2023) WHO
ENROLLED
IN COLLEGE.

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



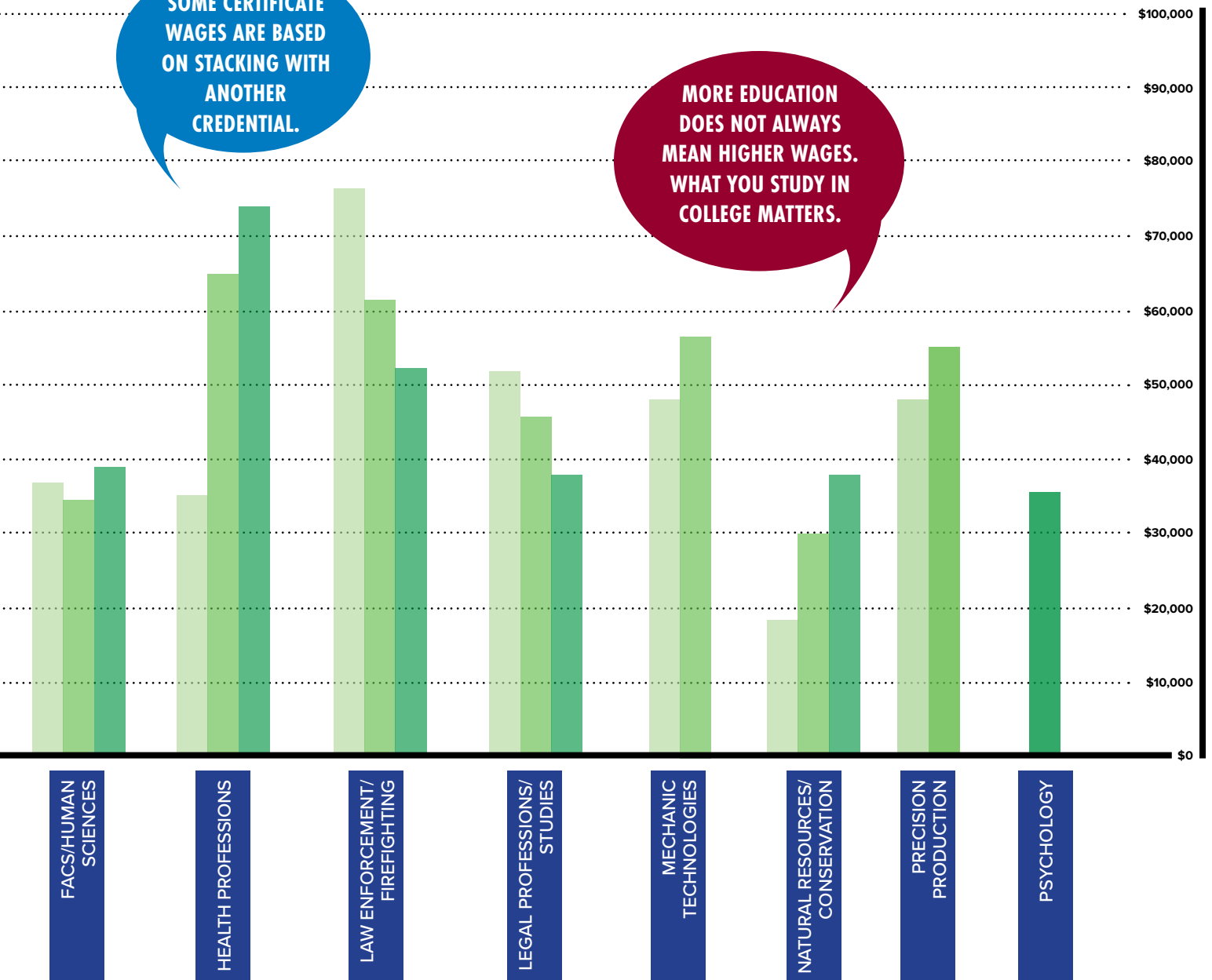
AT EACH LEVEL OF EDUCATION, THERE ARE JOB OPPORTUNITIES.

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.



UNDERSTAND
WHAT
OCCUPATIONS
ARE IN HIGH
OR GROWING
DEMAND.

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



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.

OCCUPATIONS
 (Twin Cities Metro Area
 Data from DEED)

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

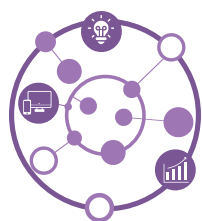
Investment Club

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				

*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.

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.



OCCUPATIONS
(Twin Cities Metro Area
Data from DEED)

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



COSMETOLOGIST MEDIAN SALARY

\$46,871

PROJECTED
GROWTH:
10.3%

EDUCATION
CERTIFICATE/
DIPLOMA

RADIOLOGIC TECHNOLOGIST MEDIAN SALARY

\$84,258

PROJECTED
GROWTH:
6.1%

EDUCATION
ASSOCIATE'S
DEGREE

TECHNICAL WRITER MEDIAN SALARY

\$77,358

PROJECTED
GROWTH:
5.9%

EDUCATION
BACHELOR'S
DEGREE

MENTAL HEALTH & SOCIAL WORKER MEDIAN SALARY

\$78,812

PROJECTED
GROWTH:
5.9%

EDUCATION
MASTER'S
DEGREE

NURSE PRACTITIONER MEDIAN SALARY

\$130,397

PROJECTED
GROWTH:
39.8%

EDUCATION
DOCTOR'S
DEGREE

<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.



LANDSCAPER
MEDIAN SALARY

\$48,828

PROJECTED
GROWTH:
5.5%

EDUCATION
HIGH SCHOOL
DIPLOMA

VETERINARY
ASSISTANT
MEDIAN SALARY

\$44,774

PROJECTED
GROWTH:
18.5%

EDUCATION
ASSOCIATE'S
DEGREE

GEOSCIENTIST
MEDIAN SALARY

\$72,999

PROJECTED
GROWTH:
10.4%

EDUCATION
BACHELOR'S
DEGREE

SOIL & PLANT
SCIENTIST
MEDIAN SALARY

\$77,279

PROJECTED
GROWTH:
4.5%

EDUCATION
BACHELOR'S
DEGREE

VETERINARIAN
MEDIAN SALARY

\$126,992

PROJECTED
GROWTH:
22.8%

EDUCATION
DOCTOR'S
DEGREE

<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)

REFUSE/
RECYCLABLE
COLLECTOR
MEDIAN SALARY
\$65,789
 PROJECTED
GROWTH:
4.2%
 EDUCATION
HIGH SCHOOL
DIPLOMA

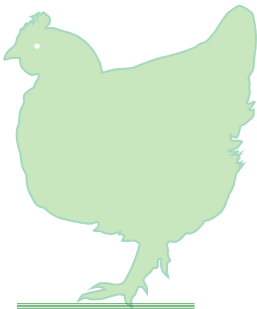
FOREST
CONSER-
VATIONIST
MEDIAN SALARY
\$69,439
 PROJECTED
GROWTH:
5.7%
 EDUCATION
ASSOCIATE'S
DEGREE

ENVIRONMENTAL
SCIENTIST
MEDIAN SALARY
\$94,972
 PROJECTED
GROWTH:
7.3%
 EDUCATION
BACHELOR'S
DEGREE

ENVIRONMENTAL
ENGINEER
MEDIAN SALARY
\$110,385
 PROJECTED
GROWTH:
5.1%
 EDUCATION
BACHELOR'S
DEGREE

NATURAL
SCIENCES
MANAGER
MEDIAN SALARY
\$136,473
 PROJECTED
GROWTH:
8.1%
 EDUCATION
BACHELOR'S
DEGREE

<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)

**OPERATING
ENGINEER**
MEDIAN SALARY

\$83,667

**PROJECTED
GROWTH:**
9.2%

EDUCATION
**HIGH SCHOOL
DIPLOMA**

HVAC
MEDIAN SALARY

\$78,827

**PROJECTED
GROWTH:**
7.5%

EDUCATION
**CERTIFICATE/
DIPLOMA**

ELECTRICIAN
MEDIAN SALARY

\$98,645

**PROJECTED
GROWTH:**
9.7%

EDUCATION
**CERTIFICATE/
DIPLOMA**

**ARCHITECTURAL
DRAFTER**
MEDIAN SALARY

\$70,783

**PROJECTED
GROWTH:**
3.3%

EDUCATION
**ASSOCIATE'S
DEGREE**

**CIVIL
ENGINEER**
MEDIAN SALARY

\$103,648

**PROJECTED
GROWTH:**
8.2%

EDUCATION
**BACHELOR'S
DEGREE**

<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**

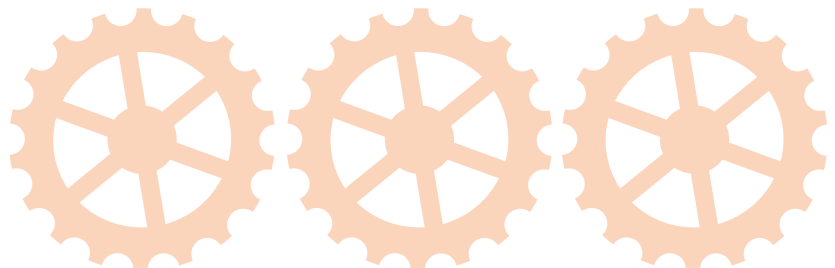
**INDUSTRIAL
PRODUCTION
MANAGER**
MEDIAN SALARY

\$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
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<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		✓

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			

(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.



+ 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		✓

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

RECOMMENDED ACTIVITIES/ CREDENTIALS

Business Essentials
Certification

Microsoft Office
Specialist
Certification (MOS)

Investment Club

DECA

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



OCCUPATIONS
(Twin Cities Metro Area
Data from DEED)

**BILLING
CLERK**
MEDIAN SALARY
\$56,126
**PROJECTED
GROWTH:**
.1%
**EDUCATION
HIGH SCHOOL
DIPLOMA**

**INSURANCE
SALES AGENT**
MEDIAN SALARY
\$83,365
**PROJECTED
GROWTH:**
7.3%
**EDUCATION
HIGH SCHOOL
DIPLOMA**

ACCOUNTANT
MEDIAN SALARY
\$84,154
**PROJECTED
GROWTH:**
5.3%
**EDUCATION
BACHELOR'S
DEGREE**

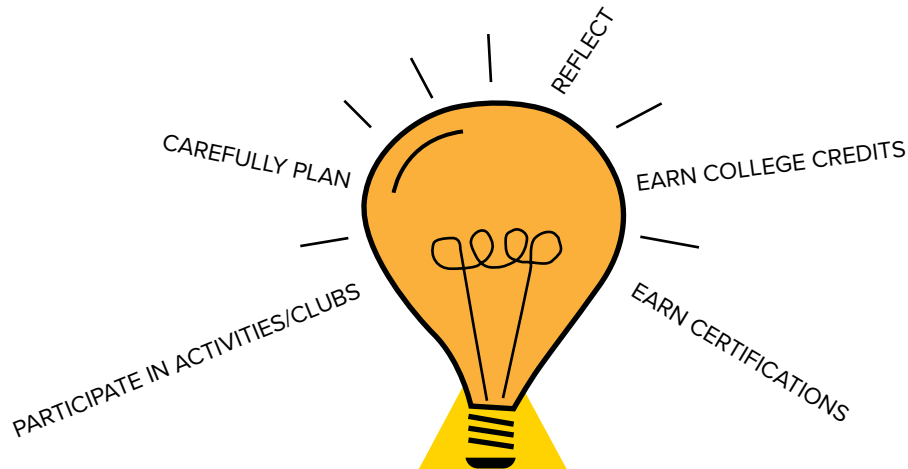
**FINANCIAL
ANALYST**
MEDIAN SALARY
\$104,463
**PROJECTED
GROWTH:**
6.8%
**EDUCATION
BACHELOR'S
DEGREE**

ACTUARY
MEDIAN SALARY
\$110,738
**PROJECTED
GROWTH:**
24.3%
**EDUCATION
BACHELOR'S
DEGREE**

<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