



CAREER PATHWAYS GUIDE



PREPARING FOR SUCCESS
AFTER HIGH SCHOOL



RANGER TERRITORY



Forest Lake Area Schools



KEEP FOR ALL YOUR HIGH SCHOOL YEARS!



HOW TO USE YOUR CAREER PATHWAY GUIDE + YOUR REGISTRATION WORKSHEET

- 


Identify your interests. Use the Interest Profile on page two to identify or reevaluate your career field(s). Are you using the other assessment tools in Xello and on the College and Career Center web page?
- 


Explore courses that support your career field(s) of interest. Use this guide and the online course catalog. Are you thoughtfully choosing your courses?
- 


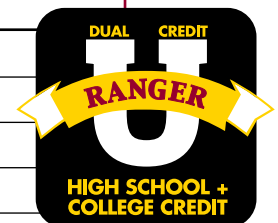
Reflect by completing your Personal Learning Plan. What free opportunities will you take advantage of to explore, experience, and develop your skills to prepare for life after high school?
- 


Review required courses and complete your Credit Check. How can your required course choices support your goals? Are you on track to graduate?
- 


Plan, request, and submit your selections. Are you considering how credentials, activities, and experiences can further help you meet your goals?

GRADUATION REQUIREMENTS	
LANGUAGE ARTS	4.00
MATH	3.00
SOCIAL STUDIES	3.00
ECONOMICS	0.50
SCIENCE	3.50
PHYSICAL EDUCATION	1.00
HEALTH	0.50
THE ARTS	1.00
ELECTIVES	9.50
TOTAL REQUIRED CREDITS	26.00

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



*You may have the opportunity to earn college credit for Ranger U courses. Watch for the **(U)**.

INTEREST PROFILE

I like to:

1
Read each statement. If you agree, check the box to the right.

...do puzzles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...work on cars	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...attend concerts, theaters or art exhibits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...work in teams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...organize things like files, offices or activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...set goals for myself	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...build things	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...read fiction, poetry or plays	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...have clear instructions to follow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...influence or persuade people	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...do experiments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...teach or train people	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...help people solve their problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...take care of animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...have my day structured	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...sell things	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...do creative writing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...work on science projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...take on new responsibilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...heal people	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...figure out how things work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...put things together or assemble models	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...be creative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

...pay attention to details	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...do filing or typing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...learn about other cultures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...analyze things like problems, situations or trends	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...play instruments or sing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...dream about starting my own business	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...cook	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...act in plays	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...think things through before making decisions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...work with numbers or charts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...have discussions about issues like politics or current events	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...keep records of my work	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...be a leader	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...work outdoors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...work in an office	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...work on math problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...help people	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...draw	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
...give speeches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R	I	A	S	E	C
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- R** = Realistic **Total:** _____
- I** = Investigative **Total:** _____
- A** = Artistic **Total:** _____
- S** = Social **Total:** _____
- E** = Enterprising **Total:** _____
- C** = Conventional **Total:** _____

2
Add the columns from above and record the number of filled squares for each letter.

3
The three letters with the highest scores are your interest profile. Record your profile to the right.

MY INTEREST PROFILE:

○ ○ ○

ACCESSING YOURSELF



Realistic people are DOERS.

They are often good at mechanical or athletic jobs. They like to work with things like machines, tools or plants. They like to work with their hands. They are practical and good at solving problems.

Investigative people are THINKERS.

They like to watch, learn and solve problems. They often like to work alone. They tend to be good at math or science, and like analyzing data.

Artistic people are CREATORS.

They like to have the freedom to use their creativity to come up with new ideas. They often enjoy performing (theater or music) and the visual arts.

Social people are HELPERS.

They like to work with people more than with things. They enjoy training, counseling or curing people. They are often good public speakers. They have helpful, empathetic personalities.

Enterprising people are PERSUADERS.

They like to work with other people. They like to influence, lead and perform. They are often assertive and full of energy.

Conventional people are ORGANIZERS.

They are good with details and like to work with data. They have good organizing skills and like working in structured situations. They often work well with numbers. They are also good at following instructions.

R-Realistic

- Agriculture
- Architecture & Construction
- Health Science
- Hospitality & Tourism
- Information Technology
- Law & Public Safety
- Manufacturing
- Science, Technology & Math
- Transportation

I-Investigative

- Health Science
- Information Technology
- Science, Technology & Math

A-Artistic

- Arts & Communications
- Education & Training
- Marketing & Sales

S-Social

- Education & Training
- Government
- Health Science
- Human Service
- Law & Public Safety
- Marketing & Sales

E-Enterprising

- Arts & Communications
- Business & Management
- Finance
- Hospitality & Tourism
- Law & Public Safety
- Marketing & Sales
- Government

C-Conventional

- Architecture & Construction
- Business & Management
- Finance
- Health Science
- Manufacturing
- Marketing & Sales
- Transportation

R and S

- Health Science
- Human Service
- Law & Public Safety

R and E

- Arts & Communications
- Hospitality & Tourism

I and S

- Health Science
- Education & Training

I and R

- Agriculture
- Health Science
- Information Technology
- Science, Technology & Math



A and S

- Education & Training
- Arts & Communications
- Marketing & Sales

A and R

- Arts & Communications
- Education & Training

S and E

- Government
- Law & Public Safety
- Marketing & Sales

E and C

- Business & Management
- Finance

E and A

- Arts & Communications
- Marketing & Sales

C and R

- Architecture & Construction
- Manufacturing
- Transportation

FOR GUIDANCE:

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

**CIRCLE THE
CAREER
CLUSTERS
THAT INTEREST
YOU. THESE
MAY CHANGE
OVER TIME.**



CAREER CLUSTERS

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

ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATION

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

INFORMATION TECHNOLOGY

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

ARCHITECTURE AND CONSTRUCTION

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

MANUFACTURING

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

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS

- Engineering and Technology
- Science and Mathematics

HEALTH SCIENCE

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

EDUCATION AND TRAINING

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

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

- Correction Services
- Emergency and Fire Management Services
- Law Enforcement Services
- Legal Services
- Security and Protective Services

BUSINESS, MANAGEMENT AND ADMINISTRATION

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

FINANCE

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

MARKETING

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

PATHWAY TO POST-SECONDARY SUCCESS

How will you stack credits, credentials, and experiences for your path to post-secondary success?



WHAT IS RANGER U?

Free opportunities for you to earn high school and college credit simultaneously.

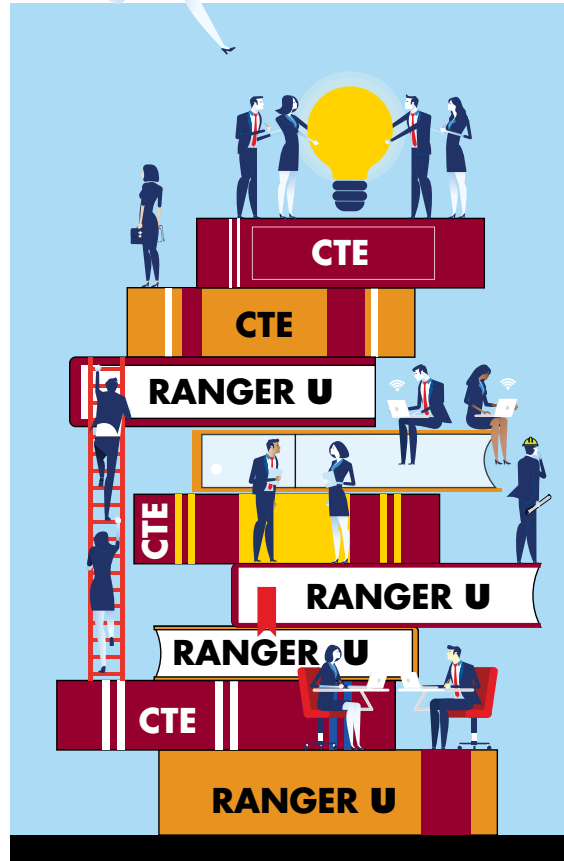
Courses designed to prepare you for college with challenging classwork.

Courses are offered across all subject areas.

WHAT CAN RANGER U DO FOR YOU?

- ✓ Develop critical thinking skills.
- ✓ Provide challenging classwork giving you the experience of college level work.
- ✓ Increase your likelihood of graduating from your college on time.
- ✓ Earn higher GPAs in college.
- ✓ Earn free college credit.

Source: CollegeBoard.org



What is a stackable credential?

- ✓ Sequence of credentials earned over time to move up or along a career ladder.
- ✓ For example, certified nursing assistant ...-> registered nurse.

WHAT IS CTE?

(CAREER TECHNICAL EDUCATION)

Free opportunity for you to develop real world skills through hands on classwork.

Courses that take a closer look at related careers.

Opportunity to earn credentials in Agriculture, Business, FACS, Health Care, and Industrial Technology.

WHAT CAN CTE DO FOR YOU?

- ✓ Develop transferable and applicable skills for high demand careers.
- ✓ Better understand career opportunities.
- ✓ Earn industry recognized credentials, which are often stackable.
- ✓ Increase high school graduation rates.
- ✓ Feel happier with your high school experience.

Source: careertech.org/cte-your-state and cte.ed.gov/

CHECKLIST TO RECEIVE CREDIT

FOR AP:

- ✓ Take the test.
- ✓ Earn a 3, 4, or 5.
- ✓ Contact your intended college to understand how much credit you can earn and for which classes.

FOR CONCURRENT COURSES:

(CIS- U of MN and Minn State)

- ✓ Enroll in course through the partnering college with your high school teacher.
- ✓ Keep your course syllabus and work samples. You may need to prove why the credit should transfer.
- ✓ These courses are automatically transcribed. Request an official transcript to be sent from the partnering college to the college you are attending.

PATHWAY TO POST-SECONDARY SUCCESS

Develop your skills:

ACADEMIC | TECHNICAL | PROFESSIONAL | PERSONAL



ACADEMIC SKILLS

CAN I:

- Learn independently?
- Organize information?
- Analyze and synthesize information?
- Present information?
- Write effectively?

PROFESSIONAL SKILLS

CAN I:

- Demonstrate a strong work ethic?
- Be adaptable?
- Communicate persuasively?
- Collaborate with others?
- Be a leader?

SKILL DEVELOPMENT
ACADEMIC AND TECHNICAL

SKILL DEVELOPMENT
PERSONAL AND PROFESSIONAL

CAREER EXPERIENCE

Work Based Learning
(Career Launch)

School based internships
Skill development through
Certifications, Clubs,
Activities, Service

CAREER EXPOSURE

CTE courses
Ranger Connect - Xello
Workplace Field Trips
Career Exploration Days
Career Conversations
Job Shadowing

HIGH SCHOOL COURSES

Core
Elective (CTE + other)
Ranger **U** -
transferable college credit

TECHNICAL SKILLS

CAN I:

- Apply skills to the real world?
 - Mechanical
 - Information Technology
 - Mathematical
 - Scientific

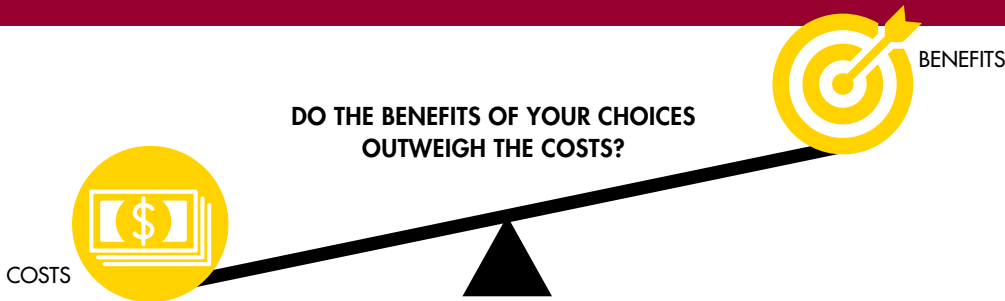
PERSONAL SKILLS

CAN I:

- Manage my time?
- Focus?
- Persevere?
- Solve problems?
- Regulate my emotions?

**WHAT ARE YOUR INTERESTS?
WHAT ARE YOUR GOALS?**

FINANCIAL IMPLICATIONS OF YOUR PATHWAY CHOICE



"Cost of Living for a single person in Washington County = \$33,400."

Source: mn.gov/deed/data/data-tools/col/

DID YOU KNOW?	TAKE ACTION
FLAHS provides awesome FREE opportunities to explore. Discover what interests you with 200 electives options.	EXPLORE YOUR OPTIONS <i>Discover your interests.</i>
Challenging courses help you stick with your path. Earn credit & develop skills with 60 Ranger U courses.	PREPARE FOR COLLEGE AND/OR TRAINING <i>Develop your academic, technical, and professional skills.</i>
Major (or program of study) matters! Salary and employment demand varies widely by major.	UNDERSTAND EMPLOYMENT DEMAND <i>What job can you get with your degree or credentials?</i>
Perseverance is easier when you have a goal. 83% of FLAHS grads enrolled in college. 36% of those earned a certificate or degree in 4 years. <small>Source: Minnesota SLEDS</small>	DEVELOP GOALS <i>What lifestyle do you want? Plan backwards accordingly.</i>
You can earn a credential and/or degree many ways. <ul style="list-style-type: none"> • Transfer Pathways: Start at a 2-year school and transfer to a 4-year school. • Earn and Learn: Work for an employer or trade union who is willing to invest in your education. 	RESEARCH FINANCIAL IMPLICATIONS <i>Do you understand the costs of your choices?</i> <i>What are the benefits of your path?</i> <i>Who is paying for what? Parents? You? Both?</i>

COSTS OF EDUCATION

EDUCATION PATH	TUITION + FEES
Apprenticeship/Earn and Learn	\$0/yr
2-Year College/Tech School	\$5,600/yr
4-Year in State Public College	\$9,000 - 15,000/yr
4-Year Private College	\$41,000 - 57,000/yr <small>(sticker price is most often not the actual cost)</small>
Military	\$0

ROOM + BOARD + OTHER FEES

\$12,000 - \$15,000/YR

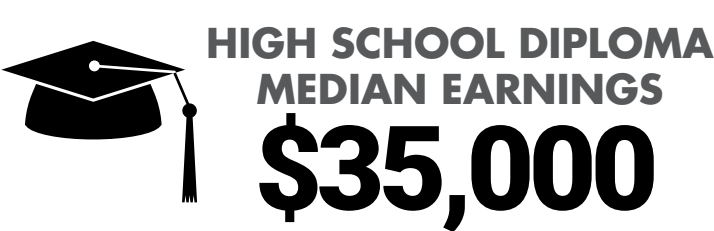
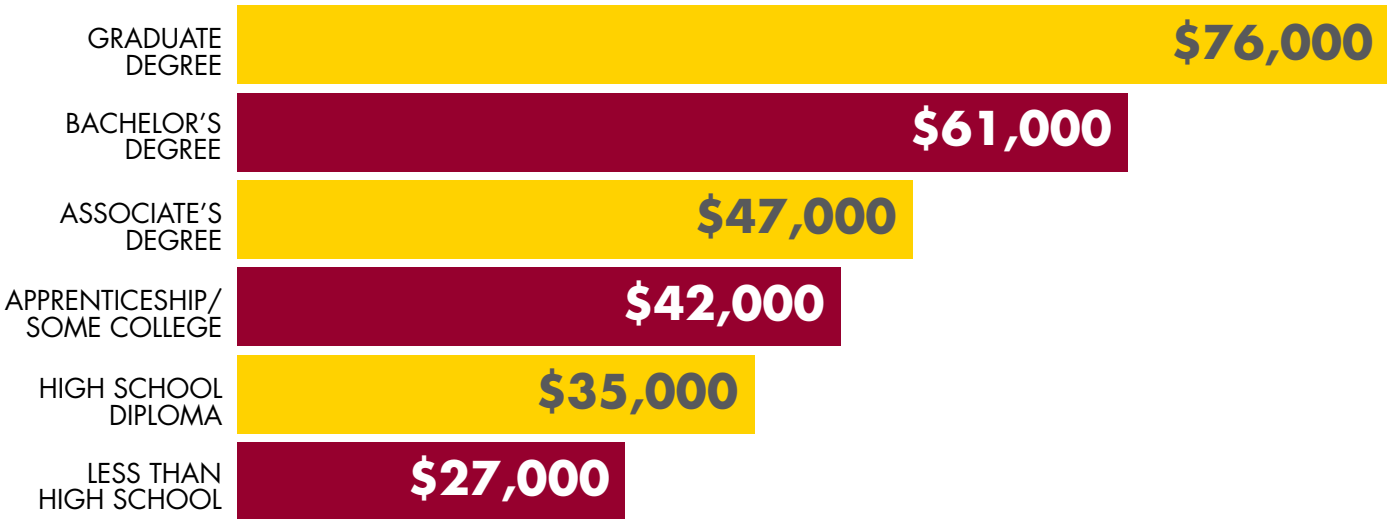
Do your goals and choices provide you financial stability?

Source: ohe.state.mn.us

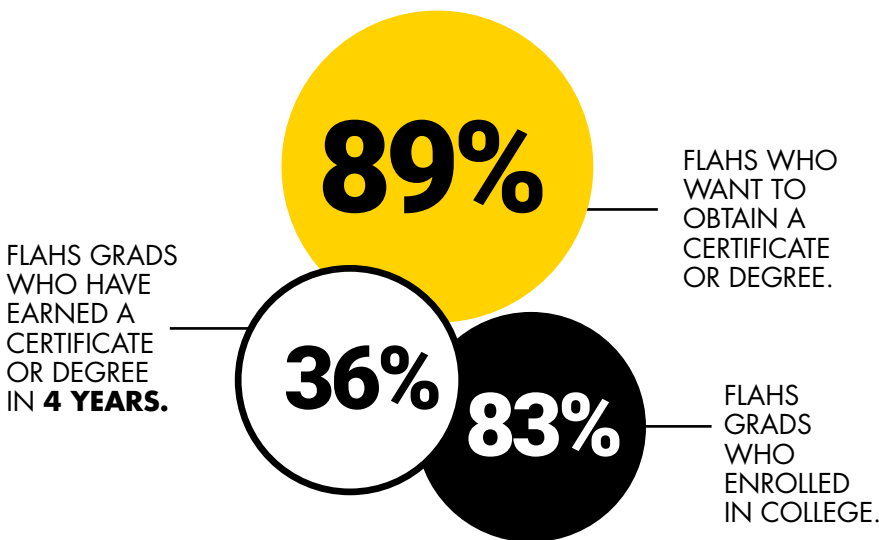
EDUCATION LEVEL STILL MATTERS, AND GENERALLY MORE EDUCATION IS BETTER.

Median earnings increase with each additional level of educational attainment.

MEDIAN EARNINGS BY EDUCATION LEVEL IN MINNEAPOLIS/SAINT PAUL AREA



Source: 2018 American Community Survey



BACHELOR'S DEGREES FROM **PRIVATE COLLEGES**, ON AVERAGE, HAVE HIGHER ROI (RETURN ON INVESTMENT) THAN DEGREES FROM PUBLIC COLLEGES 40 YEARS AFTER ENROLLMENT.

NEW FINDINGS.

COMMUNITY COLLEGES AND MANY **CERTIFICATE PROGRAMS** HAVE THE HIGHEST RETURNS IN THE SHORT TERM, 10 YEARS AFTER ENROLLMENT, THOUGH RETURNS FROM BACHELOR'S DEGREES EVENTUALLY OVERTAKE THOSE OF MOST TWO-YEAR CREDENTIALS.

Source: Georgetown University's Center on Education and the Workforce using College Scorecard data

SINCE 2010, FLAHS GRADUATES HAVE EARNED:

CERTIFICATE, DIPLOMA – **5%**

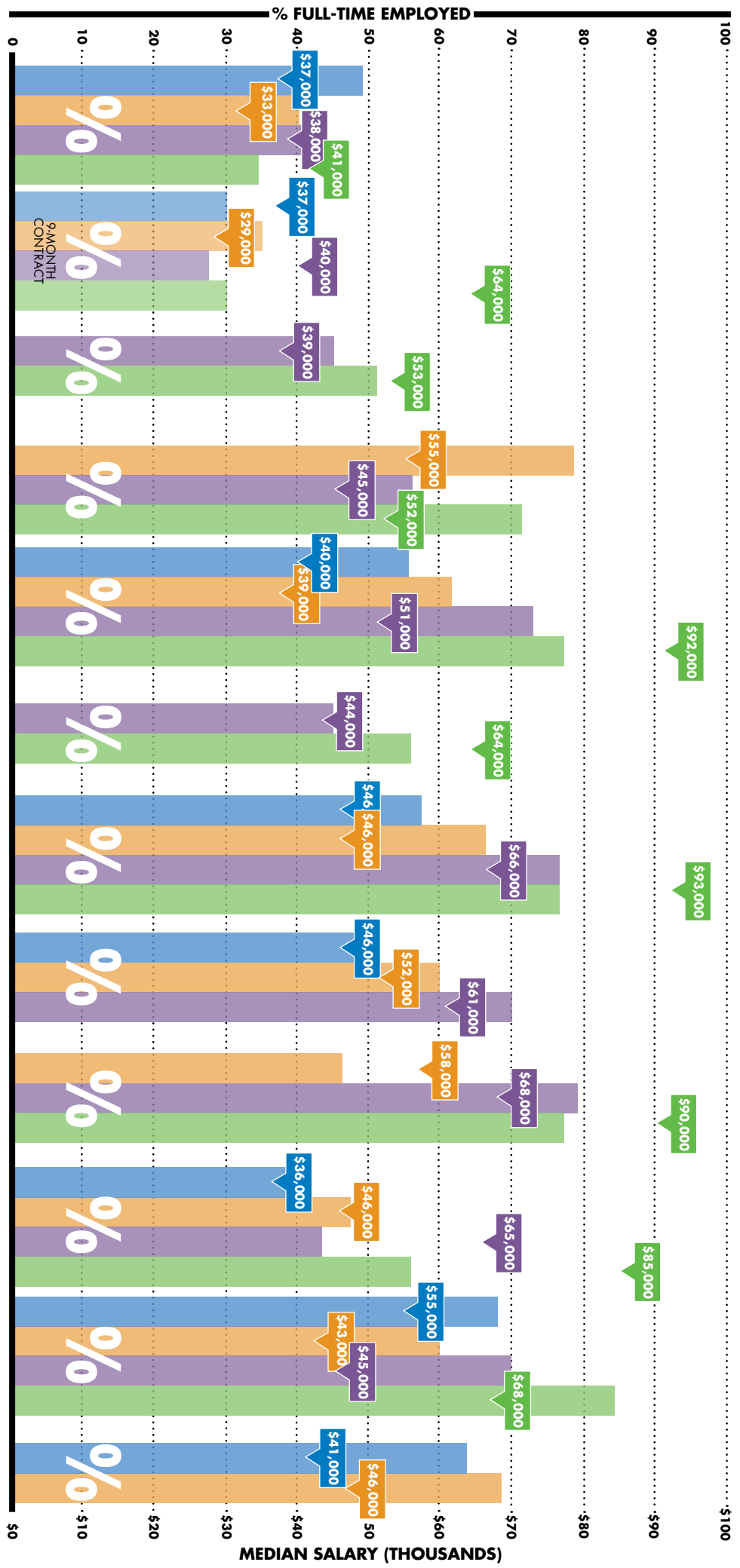
ASSOCIATE DEGREE – **12%**

BACHELOR'S DEGREE – **44%**

Source: Minnesota SLEDS

MEDIAN EARNINGS AND PERCENTAGE EMPLOYED BY FIELD OF STUDY AND DEGREE

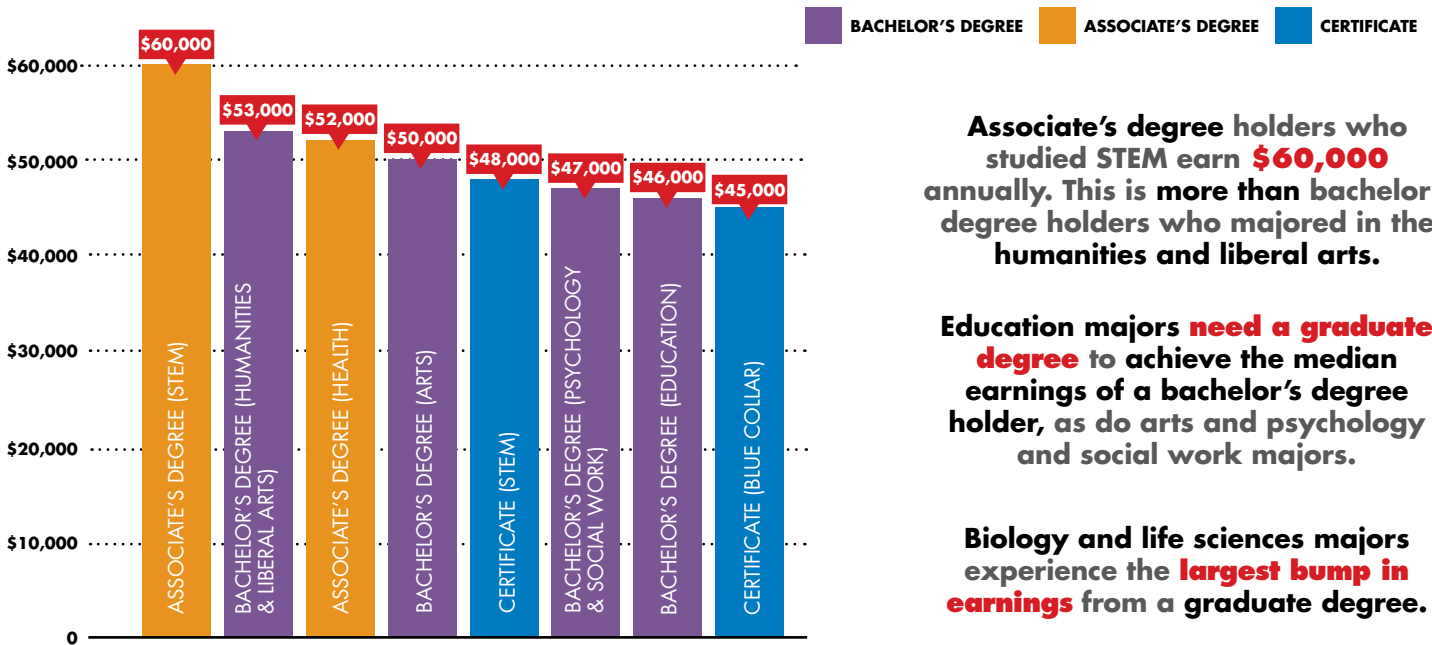
4 years after graduation for 2010, 2011 MN graduates finding a job in Minnesota



LESS EDUCATION CAN BE WORTH MORE.

Some certificates pay more than some associate's degrees, some associate's degrees pay higher than some bachelor's degrees, and some bachelor's degrees result in higher earnings than some graduate degrees. (National Data)

MEDIAN EARNINGS COMPARISON BY EDUCATION LEVEL AND FIELD OF STUDY



Associate's degree holders who studied STEM earn **\$60,000** annually. This is more than bachelor's degree holders who majored in the humanities and liberal arts.

Education majors need a graduate degree to achieve the median earnings of a bachelor's degree holder, as do arts and psychology and social work majors.

Biology and life sciences majors experience the largest bump in earnings from a graduate degree.

Source: Georgetown University Center on Education and the Workforce analysis of data from the US Census Bureau's American Community Survey (2009-2016 pooled one-year person level microdata files) and Survey of Income and Program Participation (2004/2008 combined panels)

TWIN CITIES METRO AREA OCCUPATIONS IN HIGH DEMAND BY EDUCATION LEVEL

HIGH SCHOOL DIPLOMA OR LESS		POSTSECONDARY AWARD OR ASSOCIATE'S DEGREE		BACHELOR'S DEGREE OR HIGHER	
Plumbers, Pipe fitters, and Steamfitters	\$86,628	Registered Nurses	\$85,602	Marketing Managers	\$141,221
Construction/Building Inspectors	\$78,027	Police/Patrol Officers	\$83,393	Financial Managers	\$133,235
Operating Engineers	\$74,804	Sonographer	\$82,328	Computer Network Architect	\$116,165
Sales Representatives, Wholesale & Manufacturing	\$73,225	Web Developer	\$82,199	Software Developers, Applications	\$105,470
Brickmasons/Blockmasons	\$68,621	Electricians	\$76,713	Information Security Analysts	\$103,978
Supervisors of Office & Administrative Workers	\$63,964	Radiologic Technologists	\$69,362	Construction Managers	\$96,645
Construction Laborers	\$59,834	Computer User Support Specialists	\$57,312	Industrial Engineers	\$94,434
Heavy & Tractor-Trailer Truck Drivers	\$52,337	Dental Assistants	\$55,364	Civil Engineers	\$93,662
Pharmacy Technicians	\$40,284	Medical Records & Health Information Technicians	\$53,709	Accountants	\$70,916
Phlebotomists	\$39,357	Automotive Service Technicians	\$46,772	Market Research Analysts & Marketing Specialists	\$74,094

Source: <http://mn.gov/deed/>

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/PLANT SCIENCES PATHWAY

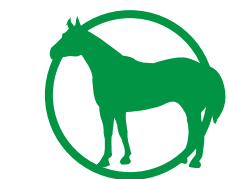
(U) Ranger University class
(C) Certification

ANIMAL + PLANT SCIENCES

RECOMMENDED CAREER AND TECHNICAL COURSES	RECOMMENDED ACTIVITIES/ CREDENTIALS
<p>ANIMAL SCIENCES</p> <p>0300 – Animal Science (9-12) (C)</p> <p>0306 – Companion Animal Science (9-12) (C)</p> <p>0305 – Animal Health and Veterinary Science (11-12) (C)</p> <p>0303 – CIS Animal Science (11-12) (U)</p> <p>0400 – Horse & Horsemanship (9-12)</p> <p>0205 – Fish & Wildlife Mgmt. (9-12)</p> <p>6618 – Human Anatomy and Physiology and/or CIS Physiology (12) (U)</p>	<p>FFA</p> <p>Complete Veterinary Assistant Certification</p> <p>Environmental Club</p> <p>Complete OSHA 10 Certification</p> <p>Attend field trips/tours</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>
<p>0810 – Biotech in Agri-Science (11-12)</p> <p>0650 – Agricultural Economics (11-12)</p> <p>0001/0004 – Youth Leadership A/B (9-12)</p> <p>0800 – Agriculture Today (11-12)</p> <p>2413/2414 – Career Launch A/B (11-12) (C)</p>	
<p>PLANT SCIENCES</p> <p>0504 – Greenhouse Technology (9-12) (U)</p> <p>0505 – Floral Design (9-12)</p> <p>0201 – Natural Resource Science (9-12)</p> <p>0502 – Landscape Design and Construction (9-12) (U)</p> <p>0501 – Plant Science - Concepts (10-12) (U)</p> <p>0200 – Alternative Energy (11-12)</p>	

Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



ANIMAL SCIENCES



PLANT SCIENCES

<p>VET TECHS MEDIAN SALARY</p> <p>\$37,898 PROJECTED GROWTH: 19%</p> <p>EDUCATION Associate's Degree</p>	<p>ANIMAL NUTRITIONISTS Source: the balance careers MEDIAN SALARY</p> <p>\$72,702 PROJECTED GROWTH: 7%</p> <p>EDUCATION Bachelor's Degree</p>	<p>LANDSCAPE ARCHITECTS MEDIAN SALARY</p> <p>\$79,020 PROJECTED GROWTH: 5.5%</p> <p>EDUCATION Bachelor's Degree</p>	<p>FOOD SCIENTISTS MEDIAN SALARY</p> <p>\$89,687 PROJECTED GROWTH: N/A</p> <p>EDUCATION Bachelor's Degree</p>	<p>VETERINARIANS MEDIAN SALARY</p> <p>\$97,422 PROJECTED GROWTH: 21.2%</p> <p>EDUCATION Doctor's Degree</p>
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<https://mn.gov/deed/data/data-tools/career-education-explorer/>
For more agriculture career related information, visit <https://www.agexplorer.com/>

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	RECOMMENDED ACTIVITIES/ CREDENTIALS
<p>0201 – Natural Resource Science (9-12)</p> <p>6605 – Environmental Science (11-12)</p> <p>0205 – Fish and Wildlife Mgmt (9-12)</p> <p>0501 – Plant Science - Concepts (10-12) (U)</p> <p>6805 – Meteorology (10-12)</p> <p>0200 – Alternative Energy (11-12)</p> <p>0810 – Biotech in Agri-Science (11-12)</p> <p>0650 – Agricultural Economics (11-12)</p> <p>0001/0004 – Youth Leadership A/B (9-12)</p> <p>0800 – Agriculture Today (11-12)</p> <p>2413/2414 – Career Launch A/B (11-12) (C)</p>	<p>FFA</p> <p>Environmental Club</p> <p>Complete OSHA 10 Certification</p> <p>Attend field trips/tours</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>

Course requirements may vary. Check course catalog.

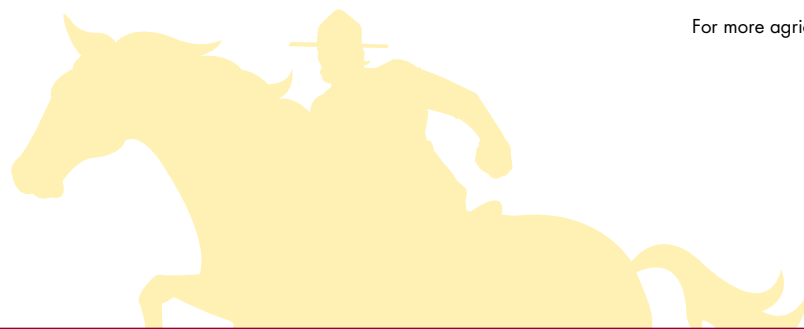
OCCUPATIONS (Twin Cities Metro Area Data from DEED)



NATURAL RESOURCES

<p>CONSERVATION OFFICERS* <small>*dnr.state.mn.us</small> MEDIAN SALARY</p> <p>\$64,772</p> <p>PROJECTED GROWTH: N/A</p> <p>EDUCATION Certificate</p>	<p>FORESTERS MEDIAN SALARY</p> <p>\$67,827</p> <p>PROJECTED GROWTH: 4.4%</p> <p>EDUCATION Bachelor's Degree</p>	<p>HYDROLOGISTS MEDIAN SALARY</p> <p>\$79,606</p> <p>PROJECTED GROWTH: 2.5%</p> <p>EDUCATION Bachelor's Degree</p>	<p>ENVIRONMENTAL ENGINEERS MEDIAN SALARY</p> <p>\$88,048</p> <p>PROJECTED GROWTH: 8.9%</p> <p>EDUCATION Bachelor's Degree</p>	<p>SOIL & PLANT SCIENTISTS MEDIAN SALARY</p> <p>\$69,240</p> <p>PROJECTED GROWTH: 15.7%</p> <p>EDUCATION Master's Degree</p>
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<https://mn.gov/deed/data/data-tools/career-education-explorer/>
For more agriculture career related information, visit <https://www.agexplorer.com/>



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	RECOMMENDED ACTIVITIES/ CREDENTIALS
<p><u>Variety of Music Electives</u></p> <p><u>Variety of English Electives</u></p> <p><u>World Language Electives</u></p> <p><u>4405</u> – Technical Theatre (9-12)</p> <p><u>4406</u> – Theater Directing & Performance (9-12)</p> <p><u>1002</u> – Intro to Art (9-12)</p> <p><u>1006</u> – Art Exploration (9-12)</p> <p><u>1610</u> – Digital Imaging (9-12)</p> <p><u>1110</u> – Drawing & Painting (9-12)</p> <p><u>1320</u> – Drawing & Printmaking (9-12)</p> <p><u>1410</u> – Related Arts (Mixed-media and Jewelry) (10-12)</p> <p><u>1200</u> – Photography I (9-12)</p> <p><u>4701/4702</u> – Yearbook A/B (11-12)</p> <p><u>2505</u> – Fashion Marketing and Design (10-12)</p> <p><u>2700</u> – Interior Space and Design (10-12)</p> <p><u>1550/1551</u> – Media & Technology Support Team A/B (10-12)</p> <p><u>2413/2414</u> – Career Launch A/B (11-12)</p>	<p>Video Club</p> <p>Political Action Committee</p> <p>School play</p> <p>Speech</p> <p>Debate</p> <p>DECA</p> <p>FFA</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>

Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



<p>AUDIO/VIDEO TECHS MEDIAN SALARY</p> <p>\$48,994 PROJECTED GROWTH: 7.4%</p> <p>EDUCATION High School Diploma</p>	<p>COSMETOLOGISTS MEDIAN SALARY</p> <p>\$31,145 PROJECTED GROWTH: 4.9%</p> <p>EDUCATION Certificate</p>	<p>GRAPHIC DESIGNERS MEDIAN SALARY</p> <p>\$54,124 PROJECTED GROWTH: .5%</p> <p>EDUCATION Bachelor's Degree</p>	<p>FUNDRAISERS MEDIAN SALARY</p> <p>\$58,760 PROJECTED GROWTH: 9%</p> <p>EDUCATION Bachelor's Degree</p>	<p>PUBLIC RELATIONS SPECIALISTS MEDIAN SALARY</p> <p>\$62,919 PROJECTED GROWTH: 6.5%</p> <p>EDUCATION Bachelor's Degree</p>
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<https://mn.gov/deed/data/data-tools/career-education-explorer/>



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	RECOMMENDED ACTIVITIES/ CREDENTIALS
<p><u>2022</u> – Web Design & Social Media Marketing (9-12)</p> <p><u>2040</u> – Business Information Systems (10-12) (U) (C)</p> <p><u>2050</u> – Business Computer Applications (10-12) (U) (C)</p> <p><u>1550/1551</u> – Media & Technology Support Team A/B (10-12)</p> <p><u>5430</u> – IT Explorations (9-12) (C)</p> <p><u>5436</u> – Intro to C++ (9-12)</p> <p><u>5440/5441</u> – AP Computer Science Principles A/B (9-12) (U)</p> <p><u>5445/5446</u> – AP Computer Science A/B (11-12) (U)</p> <p><u>1610</u> – Digital Imaging (9-12)</p> <p><u>1620</u> – Advanced Digital Imaging (10-12)</p> <p><u>2413/2414</u> – Career Launch A/B (11-12) (C)</p>	<p>Complete IC3 Certification</p> <p>Complete Microsoft Office Specialist Certification (MOS)</p> <p>Robotics Club</p> <p>Gaming Club</p> <p>Supermileage Challenge</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>

Course requirements may vary. Check course catalog.

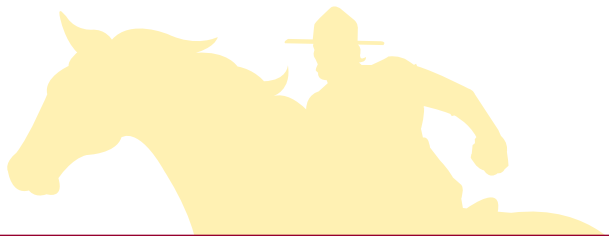
OCCUPATIONS

(Twin Cities Metro Area Data from DEED)



<p>COMPUTER NETWORK SUPPORT SPECIALISTS MEDIAN SALARY</p> <p>\$65,304</p> <p>PROJECTED GROWTH: 5.8%</p> <p>EDUCATION Associate's Degree</p>	<p>DATABASE ADMINS/ ARCHITECTS MEDIAN SALARY</p> <p>\$101,050</p> <p>PROJECTED GROWTH: 8.3%</p> <p>EDUCATION Bachelor's Degree</p>	<p>COMPUTER SYSTEMS ANALYSTS MEDIAN SALARY</p> <p>\$95,240</p> <p>PROJECTED GROWTH: 8.5%</p> <p>EDUCATION Bachelor's Degree</p>	<p>INFORMATION SECURITY ANALYSTS MEDIAN SALARY</p> <p>\$103,978</p> <p>PROJECTED GROWTH: 29.2%</p> <p>EDUCATION Bachelor's Degree</p>	<p>SOFTWARE DEVELOPERS MEDIAN SALARY</p> <p>\$103,763</p> <p>PROJECTED GROWTH: 21.8%</p> <p>EDUCATION Bachelor's Degree</p>
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<https://mn.gov/deed/data/data-tools/career-education-explorer/>



ARCHITECTURE/CONSTRUCTION

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



ARCHITECTURE/CONSTRUCTION PATHWAY

(U) Ranger University class
(C) Certification

RECOMMENDED CAREER AND TECHNICAL COURSES	RECOMMENDED ACTIVITIES/ CREDENTIALS
<p><u>3700</u> – Introduction to Computer Aided Drafting (9-12)</p> <p><u>3992</u> – Metals (9)</p> <p><u>3991</u> – Woodworking (9)</p> <p><u>3000</u> – Cabinetmaking I (10-12)</p> <p><u>3010</u> – Cabinetmaking II (10-12)</p> <p><u>3020</u> – Cabinetmaking III (10-12)</p> <p><u>3015</u> – Carpentry I (10-12)</p> <p><u>3025/3026</u> – Carpentry II A/B (11-12)</p> <p><u>3710</u> – Architecture I (10-12)</p> <p><u>3720</u> – Architecture II (10-12)</p> <p><u>3730</u> – Architecture III (10-12)</p> <p><u>3151</u> – Metals I (10-12) (U)</p> <p><u>3152</u> – Metals II (10-12) (U)</p> <p><u>3153</u> – Metals III (11-12)</p> <p><u>3300</u> – Electricity/Electronics I (9-12)</p> <p><u>3310</u> – Electricity/Electronics II (10-12)</p> <p><u>1110</u> – Drawing & Painting (9-12) and</p> <p><u>1120</u> – Advanced Drawing & Painting (10-12)</p> <p><u>1310</u> – Drawing & Printmaking (9-12) and</p> <p><u>1320</u> – Advanced Drawing & Printmaking (10-12)</p> <p><u>2413/2414</u> – Career Launch A/B (11-12) (C)</p>	<p>Complete OSHA 10 Certification</p> <p>Attend field trip/tours</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>

Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



PLUMBERS,
PIPE FITTERS, &
STEAMFITTERS
MEDIAN SALARY

\$86,628

PROJECTED
GROWTH:
12.4%

EDUCATION
Apprenticeship

CONSTRUCTION
LABORERS
MEDIAN SALARY

\$59,834

PROJECTED
GROWTH:
11%

EDUCATION
Apprenticeship

HEATING & AIR
CONDITIONING
MECHANICS
MEDIAN SALARY

\$62,385

PROJECTED
GROWTH:
9.2%

EDUCATION
Certificate

ARCHITECTURAL
& ENGINEERING
MANAGERS
MEDIAN SALARY

\$149,920

PROJECTED
GROWTH:
3.2%

EDUCATION
Bachelor's
Degree

CONSTRUCTION
MANAGERS
MEDIAN SALARY

\$96,645

PROJECTED
GROWTH:
9.1%

EDUCATION
Bachelor's
Degree

<https://mn.gov/deed/data/data-tools/career-education-explorer/>



MANUFACTURING/AUTOMOTIVE

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

MANUFACTURING/AUTOMOTIVE PATHWAY

(U) Ranger University class
(C) Certification

MANUFACTURING
+ AUTOMOTIVE

RECOMMENDED CAREER AND TECHNICAL COURSES	RECOMMENDED ACTIVITIES/ CREDENTIALS
<p>MANUFACTURING</p> <p>3700 – Introduction to Computer Aided Drafting (9-12)</p> <p>3991 – Metals 9 (9)</p> <p>3150 – Metals I (10-12) (U)</p> <p>3162 – Metals II (10-12) (U)</p> <p>3155 – Metals III (11-12)</p> <p>3800 – Engineering & Drafting I (10-12) (U)</p> <p>3810 – Engineering & Drafting II (10-12)</p> <p>3820 – Engineering Design (11-12)</p>	<p>Complete OSHA 10 Certification</p> <p>Complete Automotive Service Excellence Certification (ASE)</p> <p>Super Mileage Challenge</p> <p>Attend field trip/tours</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>
<p>5440/5441 – AP Computer Science Principles A/B (9-12) (U)</p> <p>5445/5446 – AP Computer Science A/B (11-12) (U)</p> <p>2413/2414 – Career Launch A/B (11-12) (C)</p>	
<p>AUTOMOTIVE</p> <p>3500 – Power Mechanics I (10-12)</p> <p>3510 – Power Mechanics II (10-12) (C)</p> <p>3520 – Consumer Auto (10-12) (C)</p> <p>3521/3522 – Auto Technology A/B (11-12) (C)</p>	

Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



**BUS, TRUCK,
DIESEL
MECHANICS**
MEDIAN SALARY

\$56,040

PROJECTED
GROWTH:
4.2%

EDUCATION

**High School
Diploma**

**INDUSTRIAL
MACHINERY
MECHANICS**
MEDIAN SALARY

\$60,166

PROJECTED
GROWTH:
4.1%

EDUCATION

Certificate

MACHINISTS
MEDIAN SALARY

\$54,777

PROJECTED
GROWTH:
9%

EDUCATION

Certificate

**MECHANICAL
ENGINEERING
TECHNICIANS**
MEDIAN SALARY

\$67,737

PROJECTED
GROWTH:
-.2%

EDUCATION

**Associate's
Degree**

**SALES REP.,
WHOLESALE &
MANUFACTURING**
MEDIAN SALARY

\$73,590

PROJECTED
GROWTH:
7.5%

EDUCATION

**Bachelor's
Degree**



<https://mn.gov/deed/data/data-tools/career-education-explorer/>

ENGINEERING/SCIENCE

- Engineering and Technology
- Science and Mathematics

ENGINEERING/SCIENCE PATHWAY

(U) Ranger University class
(C) Certification

RECOMMENDED CAREER AND TECHNICAL COURSES	RECOMMENDED ACTIVITIES/ CREDENTIALS
<p><u>3700</u> – Introduction to Computer Aided Drafting (9-12)</p> <p><u>3991</u> – Metals 9 (9)</p> <p><u>3800</u> – Engineering & Drafting I (10-12) (U)</p> <p><u>3810</u> – Engineering & Drafting II (10-12)</p> <p><u>3820</u> – Engineering Design (11-12)</p> <p><u>3300</u> – Electricity/Electronics I (9-12)</p> <p><u>3310</u> – Electricity/Electronics II (10-12)</p> <p><u>3150</u> – Metals I (10-12) (U)</p> <p><u>3162</u> – Metals II (10-12) (U)</p> <p><u>3155</u> – Metals III (11-12)</p> <p><u>3500</u> – Power Mechanics I (10-12)</p> <p><u>3510</u> – Power Mechanics II (10-12) (C)</p> <p><u>6907/6908/6909</u> – AP Physics A/B/C (9-12) (U)</p> <p><u>6910/6911</u> – AP Physics – Mechanics A/B (Calc based) (11-12) (U)</p> <p><u>6702</u> – Chem B or <u>6712/6713/6714</u> – AP Chem A/B/C (10-12) (U)</p> <p><u>5245/5246/5247</u> – Pre-Calculus A/B/C (10-12)</p> <p><u>5255/5256</u> – AP Calculus I – A/B (11-12) (U)</p> <p><u>5258/5258</u> – AP Calculus II – A/B and/or (U)</p> <p><u>5440/5441</u> – AP Computer Science Principles A/B (U) and/or</p> <p><u>5445/5446</u> – AP Computer Science A/B (11-12) (U)</p> <p><u>2413/2414</u> – Career Launch A/B (11-12) (C)</p>	<p>Complete OSHA 10 Certification</p> <p>Complete Automotive Service Excellence Certification (ASE)</p> <p>Robotics Club</p> <p>Super Mileage</p> <p>Attend field trips/tours</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>

Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



<p>OPERATIONS MANAGERS MEDIAN SALARY</p> <p>\$112,027</p> <p>PROJECTED GROWTH: 7.8%</p> <p>EDUCATION Bachelor's Degree</p>	<p>MECHANICAL ENGINEERS MEDIAN SALARY</p> <p>\$86,837</p> <p>PROJECTED GROWTH: 3.3%</p> <p>EDUCATION Bachelor's Degree</p>	<p>CIVIL ENGINEERS MEDIAN SALARY</p> <p>\$93,662</p> <p>PROJECTED GROWTH: 8.5%</p> <p>EDUCATION Bachelor's Degree</p>	<p>ELECTRICAL ENGINEERS MEDIAN SALARY</p> <p>\$103,486</p> <p>PROJECTED GROWTH: 4%</p> <p>EDUCATION Bachelor's Degree</p>	<p>BIOMEDICAL ENGINEERS MEDIAN SALARY</p> <p>\$114,183</p> <p>PROJECTED GROWTH: 3.2%</p> <p>EDUCATION Bachelor's Degree</p>
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<https://mn.gov/deed/data/data-tools/career-education-explorer/>

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	RECOMMENDED ACTIVITIES/ CREDENTIALS
<p><u>2436</u> – Intro to Health Care (12) (U) (C) <u>2450</u> – Emergency Medical Responder (11-12) (U) (C) <u>2451/2452</u> – Emergency Medical Technician A/B (12) (U) (C) <u>6701/6702</u> – Chemistry A/B (10-11) and/or <u>6712/6713/6714</u> – AP Chemistry A/B/C (10-12) (U) <u>6715</u> – Organic Chemistry (11-12) <u>6615/6616/6617</u> – AP Biology A/B/C (11-12) (U) <u>6618/6619</u> – CIS Human Physiology A/B (12) (U) <u>7306</u> – Psychology (10-12) and/or <u>7316/7317</u> – AP Psychology A/B (11-12) (U) <u>6118</u> – Cardio, Core and Conditioning (11-12) and/or <u>6119</u> – Aerobic & Strength Training I (11-12) <u>6129</u> – Aerobic & Strength Training II (11-12) <u>World Language Electives</u> <u>2413/2414</u> – Career Launch A/B (11-12) (C)</p>	<p>Complete Registered Nursing Assistant Certification (CNA) Complete Emergency Medical Response Certification (EMR) Complete Emergency Medical Technician Certification (EMT) Complete OSHA 10 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.</p>

Course requirements may vary. Check course catalog.

OCCUPATIONS

(Twin Cities Metro Area Data from DEED)



<p>PHARMACY TECHNICIANS MEDIAN SALARY</p> <p>\$40,284</p> <p>PROJECTED GROWTH: 7.5%</p> <p>EDUCATION High School Diploma</p>	<p>REGISTERED NURSES MEDIAN SALARY</p> <p>\$85,602</p> <p>PROJECTED GROWTH: 11.9%</p> <p>EDUCATION Associate's Degree</p>	<p>MEDICAL & HEALTH SERVICE MANAGERS MEDIAN SALARY</p> <p>\$110,599</p> <p>PROJECTED GROWTH: 16.7%</p> <p>EDUCATION Bachelor's Degree</p>	<p>NURSE ANESTHETISTS MEDIAN SALARY</p> <p>\$181,392</p> <p>PROJECTED GROWTH: 20.5%</p> <p>EDUCATION Master's Degree</p>	<p>PHYSICAL THERAPISTS MEDIAN SALARY</p> <p>\$84,796</p> <p>PROJECTED GROWTH: 18.4%</p> <p>EDUCATION Doctor's Degree</p>
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<https://mn.gov/deed/data/data-tools/career-education-explorer/>



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	RECOMMENDED ACTIVITIES/ CREDENTIALS
<p><u>2805</u> – Family Dynamics (9-12)</p> <p><u>2800</u> – Psychology of Childhood (10-12)</p> <p><u>2811/2812</u> – Exploring Education A/B (11-12) (U)</p> <p><u>7306</u> – Psych (10-12) and/or</p> <p><u>7316/7317</u> – AP Psych A/B (11-12) (U)</p> <p><u>7205</u> – Anthropology (10-12) and/or</p> <p><u>7307</u> – Sociology (10-12) and/or</p> <p><u>7300</u> – Contemporary Social Issues (11-12)</p> <p><u>7488/7489</u> – AP Human Geography A/B (9-12) (U)</p> <p><u>World Language Electives</u></p> <p>*If you plan to be a content area teacher, take as many content area classes as possible.</p>	<p>Equity Leaders</p> <p>Healthy Minds</p> <p>GSA</p> <p>Student Council</p> <p>National Honors Society</p> <p>Volunteer/Work with young people: coach a sport, church groups, childcare, etc.</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>

Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



<p>MASSAGE THERAPISTS MEDIAN SALARY</p> <p>\$51,437 PROJECTED GROWTH: 19.5%</p> <p>EDUCATION Certificate</p>	<p>PRESCHOOL TEACHERS MEDIAN SALARY</p> <p>\$36,862 PROJECTED GROWTH: 10.3%</p> <p>EDUCATION Bachelor's Degree</p>	<p>SECONDARY SCHOOL TEACHERS MEDIAN SALARY</p> <p>\$68,737 PROJECTED GROWTH: 4.6%</p> <p>EDUCATION Bachelor's Degree</p>	<p>HEALTHCARE SOCIAL WORKERS MEDIAN SALARY</p> <p>\$62,410 PROJECTED GROWTH: 15.2%</p> <p>EDUCATION Master's Degree</p>	<p>CLINICAL, SCHOOL, COUNSELING PSYCHOLOGISTS MEDIAN SALARY</p> <p>\$89,009 PROJECTED GROWTH: 15.7%</p> <p>EDUCATION Master's Degree</p>
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<https://mn.gov/deed/data/data-tools/career-education-explorer/>



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	RECOMMENDED ACTIVITIES/ CREDENTIALS
<p><u>2300</u> – Business and Personal Law I (9-12) <u>2310</u> – Business and Personal Law II (9-12) <u>7206</u> – Political Science (10-12) <u>7300</u> – Contemporary Social Issues (11-12) <u>7205</u> – Anthropology (10-12) and/or <u>7307</u> – Sociology (10-12) <u>7210</u> – CIS Microeconomics (11-12) (U) and/or <u>7215</u> – CIS Macroeconomics (11-12) (U) <u>7306</u> – Psych (10-12) and/or <u>7316/7317</u> – AP Psych A/B (11-12) (U) <u>7488/7489</u> – AP Human Geography A/B (9-12)</p>	<p>Political Action Committee</p> <p>History Day</p> <p>Rotary Interact</p> <p>Debate</p> <p>Speech</p> <p>Student Council</p> <p>National Honors Society</p> <p>Law Enforcement Exploring</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>

Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



<p>FIREFIIGHTERS MEDIAN SALARY</p> <p>\$33,853 PROJECTED GROWTH: 3.9%</p> <p>EDUCATION High School Diploma</p>	<p>PARALEGALS AND LEGAL ASSISTANTS MEDIAN SALARY</p> <p>\$58,971 PROJECTED GROWTH: 15%</p> <p>EDUCATION Associate's Degree</p>	<p>POLICE & SHERIFF'S PATROL OFFICERS MEDIAN SALARY</p> <p>\$83,393 PROJECTED GROWTH: 5.1%</p> <p>EDUCATION Associate's Degree</p>	<p>SOCIAL & COMMUNITY SERVICE MANAGERS MEDIAN SALARY</p> <p>\$77,144 PROJECTED GROWTH: 13.6%</p> <p>EDUCATION Master's Degree</p>	<p>LAWYERS MEDIAN SALARY</p> <p>\$117,945 PROJECTED GROWTH: 10.7%</p> <p>EDUCATION Juris Doctor Degree</p>
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<https://mn.gov/deed/data/data-tools/career-education-explorer/>



BUSINESS, MANAGEMENT AND ADMINISTRATION

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



BUSINESS/MANAGEMENT/ADMINISTRATION PATHWAY

(U) Ranger University class
(C) Certification

RECOMMENDED CAREER AND TECHNICAL COURSES	2413/2414 – Career Launch A/B (11-12) (C)
<p>2040 – Business Information Systems (10-12) (U) (C)</p> <p>2050 – Business Computer Applications (10-12) (U) (C)</p> <p>2220 – Principles of Marketing (10-12) (U) (C)</p> <p>2230 – College Introduction to Business (10-12) (U) (C)</p> <p>2240 – Human Relations in Business (10-12) (U) (C)</p> <p>2316 – Business Leadership (11-12)</p> <p>2300 – Business and Personal Law I (9-12)</p> <p>2310 – Business and Personal Law II (9-12)</p> <p>2317 – Hospitality and Tourism Mgmt (9-12)</p> <p>5430 – IT Exploration (9-12) (C)</p> <p>7210 – CIS Micro (11-12) (U) &</p> <p>7215 – CIS Macro (11-12) (U)</p> <p>7306 – Psych (10-12) and/or</p> <p>7316/7317 – AP Psych A/B (11-12) (U)</p>	<p>RECOMMENDED ACTIVITIES/ CREDENTIALS</p> <p>Complete Business Essentials Certification</p> <p>Complete Microsoft Office Specialist Certification (MOS)</p> <p>Complete IC3 Certification</p> <p>DECA</p> <p>Student Council</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>

Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



<p>MEDICAL SECRETARIES MEDIAN SALARY</p> <p>\$44,092 PROJECTED GROWTH: 13.3%</p> <p>EDUCATION High School Diploma</p>	<p>BILLING & POSTING CLERKS MEDIAN SALARY</p> <p>\$45,416 PROJECTED GROWTH: 9.9%</p> <p>EDUCATION High School Diploma</p>	<p>HUMAN RESOURCES SPECIALISTS MEDIAN SALARY</p> <p>\$66,510 PROJECTED GROWTH: 6.1%</p> <p>EDUCATION Bachelor's Degree</p>	<p>PROJECT MANAGEMENT SPECIALISTS MEDIAN SALARY</p> <p>\$72,915 PROJECTED GROWTH: 6.2%</p> <p>EDUCATION Bachelor's Degree</p>	<p>MANAGEMENT ANALYSTS MEDIAN SALARY</p> <p>\$83,990 PROJECTED GROWTH: 12.7%</p> <p>EDUCATION Bachelor's Degree</p>
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<https://mn.gov/deed/data/data-tools/career-education-explorer/>



FINANCE/MARKETING

- Banking Services
- Business Finance
- Securities and Investment
- Accounting
- Insurance
- Merchandising
- Marketing Management
- Marketing Communications
- Marketing Research
- Professional Sales

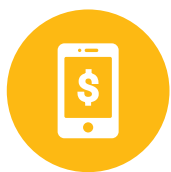
FINANCE/MARKETING PATHWAY

(U) Ranger University class
(C) Certification

RECOMMENDED CAREER AND TECHNICAL COURSES	RECOMMENDED ACTIVITIES/ CREDENTIALS
<p>FINANCE</p> <p><u>2100</u> – Accounting I (9-12) <u>2110</u> – Accounting II (9-12) <u>2120</u> – Computerized Accounting III (10-12) <u>2230</u> – College Introduction to Business (10-12) (U) (C) <u>2040</u> – Business Information Systems (10-12) (U) (C) <u>2050</u> – Business Computer Applications (10-12) (U) (C) <u>2027</u> – Personal Money Management (11-12) or <u>2706</u> – Financial Skills for Life (11-12) <u>7210</u> – CIS Micro (11-12) (U) and/or <u>7215</u> – CIS Macro (11-12) (U) <u>2413/2414</u> – Career Launch A/B (11-12) (C)</p>	<p>Complete Business Essentials Certification</p> <p>Complete Microsoft Office Specialist Certification (MOS)</p> <p>Investment Club</p> <p>DECA</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>
<p>MARKETING</p> <p><u>2022</u> – Web Design & Social Media Marketing (9-12) <u>2220</u> – Principles of Marketing (10-12) (U) (C) <u>2317</u> – Hospitality and Tourism Mgmt (9-12) <u>2230</u> – College Introduction to Business (10-12) (U) (C) <u>2240</u> – Human Relations in Business (10-12) (U) (C) <u>2100</u> – Accounting I (9-12) <u>2040</u> – Business Information Systems (10-12) (U) <u>2050</u> – Business Computer Applications (10-12) (U) (C) <u>2505</u> – Fashion Marketing and Design (10-12) <u>1610</u> – Digital Imaging (9-12) <u>1620</u> – Advanced Digital Imaging (10-12) <u>7306</u> – Psych (10-12) and/or <u>7316/7317</u> – AP Psych A/B (11-12) (U) <u>2413/2414</u> – Career Launch A/B (11-12) (C)</p>	<p>Complete Business Essentials Certification</p> <p>Complete Microsoft Office Specialist Certification (MOS)</p> <p>Microsoft Office Specialist Certificate</p> <p>DECA</p> <p>Develop leadership skills through clubs, sports, work, service, etc.</p>

Course requirements may vary. Check course catalog.

OCCUPATIONS (Twin Cities Metro Area Data from DEED)



<p>SALES REPRESENTATIVES OF SERVICES MEDIAN SALARY</p> <p>\$61,703 PROJECTED GROWTH: 6%</p> <p>EDUCATION High School Diploma</p>	<p>ACCOUNTANTS & AUDITORS MEDIAN SALARY</p> <p>\$70,916 PROJECTED GROWTH: 6.2%</p> <p>EDUCATION Bachelor's Degree</p>	<p>MARKET RESEARCH ANALYSTS MEDIAN SALARY</p> <p>\$74,094 PROJECTED GROWTH: 20%</p> <p>EDUCATION Bachelor's Degree</p>	<p>FINANCIAL MANAGERS MEDIAN SALARY</p> <p>\$133,235 PROJECTED GROWTH: 16.3%</p> <p>EDUCATION Bachelor's Degree</p>	<p>MARKETING MANAGERS MEDIAN SALARY</p> <p>\$141,221 PROJECTED GROWTH: 7%</p> <p>EDUCATION Bachelor's Degree</p>
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<https://mn.gov/deed/data/data-tools/career-education-explorer/>

RANGER CONNECT



RANGER CONNECT 9

IDENTIFY CAREER FIELD OF INTEREST

Understand your interests, learning style, social emotional learning, and skills.

Identify career field(s) that align with your interests and skills.

Develop goals to support your career field.



RANGER CONNECT 10

IDENTIFY CAREER CLUSTER OF INTEREST

Consider future lifestyle goals. Research career clusters within your career field of interest.

Analyze salary and demand for career cluster occupations.

Further develop skills and goals which support your intended career cluster.

RANGER CONNECT 11

IDENTIFY CAREER OF INTEREST

Research and understand your career goal through experiential learning opportunities such as job shadowing.

Understand and identify intended postsecondary path: apprenticeship, 2/4-year college, or military. Prepare for intended path.

RANGER CONNECT 12

IDENTIFY PROGRAM OF STUDY/TRAINING REQUIRED

Reassess decisions made through Ranger Connect 9-11.

Apply for intended path.

Analyze financial implications of your choices.

Finalize postsecondary plans.



FOR GUIDANCE:

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