



Realize Your Purpose!

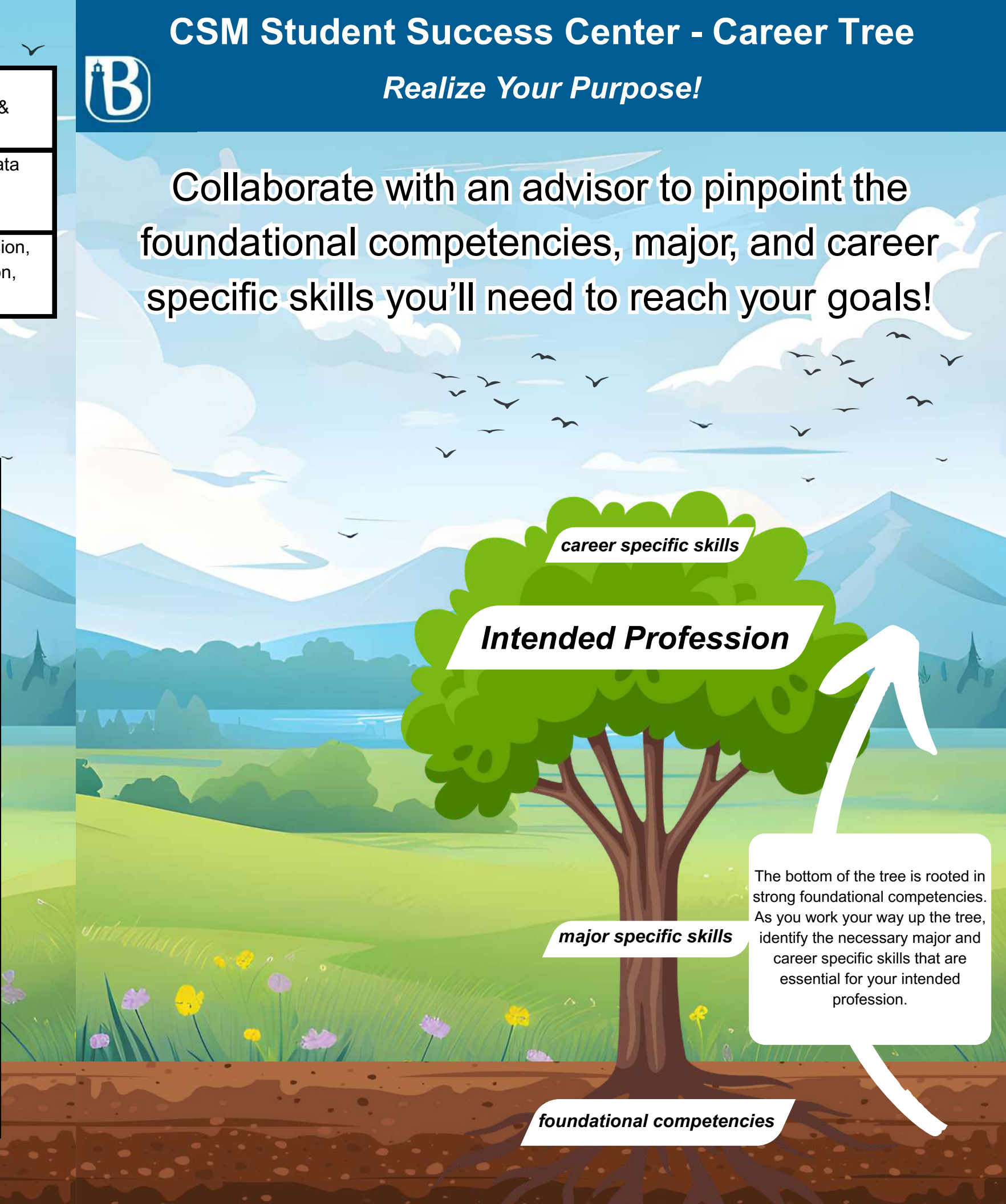
Collaborate with an advisor to pinpoint the foundational competencies, major, and career specific skills you'll need to reach your goals!

Career Specific Skills	Scientific Reports, Experimentation, Applied Research, Technology Implementation, Programming, Software Development, Cybersecurity, CAD & Simulation Tools, Mechanical & Structural Analysis, Circuit Design
Major Specific Skills	Scientific Writing, Data Analysis, Lab Protocols, Complex Problem Solving, Data Structures and Algorithms, Networks, Robotics, Advanced Mathematics, Microscopy, Designing Systems, Machine Learning
Foundational Competencies	Career & Self-Development, Communications, Critical Thinking, Equity & inclusion, Leadership, Professionalism, Teamwork, Technology, Persistence, Exploration, Adaptability, Cultural Fluency, Digital Literacy, Time Management

Putting it all together:

Upon completion, answer these questions to prepare for an advising meeting

In considering your talents and academic interests, what coursework do you find exciting?	
How do you hope to pursue an academic and career direction that will give you a sense of purpose?	
What kinds of research, internships, and/or work-based learning opportunities will be helpful for your career plan?	
After further exploration into the world of work, what STEM occupations align with your talents, interests, and values?	
Upon this reflection, what types of education, certifications, and other credentials are you considering to help you achieve your career goals?	



career specific skills

Intended Profession

major specific skills

foundational competencies

The bottom of the tree is rooted in strong foundational competencies. As you work your way up the tree, identify the necessary major and career specific skills that are essential for your intended profession.

CSM Student Success Center - Career Tree

Contact ACES! They can help build your resume, cover letters, and interview skills

<https://www.umb.edu/aces>

Advanced Job
Related Skills



[Click Here to access](#)

Fill in your desired career in the middle yellow tab. Then, use the QR code on the left to search for that position on the Bureau of Labor Statistics website. Once you find the career, click on the “What They Do” tab and use the skills listed there to fill in the tabs around the job title. Complete multiple trees if you are interested in multiple different career paths!

Your professors have worked or done research in the areas you’re interested in! Talk with your faculty advisor to explore your research and career goals!

Discipline
Specific
Skills



[Click Here to access](#)

The courses within your chosen major will help you develop discipline-specific skills, which can be further developed by shadowing, internships, and entry level jobs. The QR code on the left will take you to the ‘*CareerOneStop*’ where you can select various professions and see the associated skills. What major skills will you need to develop to attain your desired profession?

NACE
Foundational
Competencies



[Click Here to access](#)

Employers are looking for students who are career-ready. Learn about these competencies from NACE (National Association of Colleges and Employers) and cultivate these skills in your general education courses. What other foundational competencies do you want to develop?

