



FOCUS 2 CAREER will guide you through a reliable career and education decision-making model to help you choose your major at your college and make informed decisions about your career.

My Career Planning Readiness and Academic Strengths

Measure your involvement in self assessment, career exploration and evaluate your readiness to make informed career decisions.

Recognizing your academic strengths will bring you one step closer to pursuing a satisfying area of study and career path.

My Career Planning Readiness

START

My Academic Strengths

START

Self Assessments

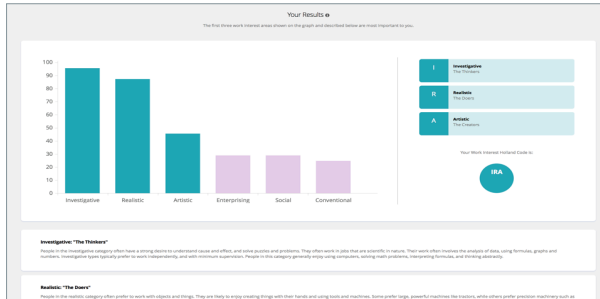
Complete the **FOCUS 2 Self Assessments**. Then explore and discover majors and occupations that match your personal attributes.

Self Assessment

Discover majors and occupations that match your personal attributes

<p>Work Interest Assessment</p> <p>100%</p>	<p>RESULTS</p> <p>Review</p> <p>Start Over</p>	<p>Values Assessment</p> <p>100%</p>	<p>RESULTS</p> <p>Review</p> <p>Start Over</p>
<p>Personality Assessment</p> <p>0%</p>	<p>START</p>	<p>Skills Assessment</p> <p>100%</p>	<p>RESULTS</p> <p>Review</p> <p>Start Over</p>
<p>Leisure Assessment</p> <p>0%</p>	<p>START</p>	<p>Combine Assessments</p> <p>3/5 Completed</p>	

Review your assessment results to learn how your personal attributes fit into the world of work. Then explore the occupations and supporting majors presented in the results of each assessment.



Choosing Your Career:
People with your personality type are attracted to occupations that offer the opportunity to explore new ideas in challenging areas. Examples of such occupations are found in fields such as physical and life sciences, engineering, mathematics, information systems, technology, and occupations which involve research such as psychology and education.

Click on any occupation to learn more

Following completion of each assessment, you will be presented with a list of occupations matching your assessment results and supporting majors at your college.

OCCUPATION	SUPPORTING MAJORS/PROGRAMS AT SAINT EDWARD'S UNIVERSITY	NATIONAL MEDIAN SALARY	JOB FAMILY
AERONAUTICAL & AEROSPACE ENGINEER	Mathematics	\$96,270.00	Architecture & Engineering
AGRONOMIST	Biology/Biological Sciences Biochemistry Chemistry	\$65,180.00	Life, Physical, & Social Science
ARCHAEOLOGIST	Latin American Studies Anthropology	\$57,230.00	Life, Physical, & Social Science
HORTICULTURIST	Biology/Biological Sciences Biochemistry Chemistry	\$65,180.00	Management
PALEONTOLOGIST	Anthropology	\$57,230.00	Life, Physical, & Social Science
PHYSICIST	Mathematics	\$111,250.00	Life, Physical, & Social Science

To learn more about an occupation of interest to you, click on any title and review:

Overview: A description of the occupation.

Job Tasks and Skills: Tasks you will be required to do.

Interest Profile: How do your work interests compare with the work interests of the occupation in this career field?

Outlook: What employment opportunities are projected for the occupation?

Earnings: National median salary details.

Advancement: What opportunities are typically available to a person in this field?

Areas of Study: What are the education credentials and areas of study that are typically pursued by people in this field?

Professional Associations: Link to Professional Associations related to this field.

Save your favorite occupations and majors with your comments, questions and rankings. By saving your preferred occupations and majors you are making decisions.

- Review and save at least 5 of your favorite occupations listed in your assessment results.
- Review and save 1-2 majors that will support those occupations.

Aeronautical & Aerospace Engineer

Occupation Overview

Aeronautical engineers design and test aircraft, space vehicles & military space weapons & missiles for commercial airplane manufacturers, military agencies & aerospace research laboratories. They experiment with new designs to enhance performance and cost.

A bachelor's degree from an accredited engineering program is the typical requirement for entry positions. Some employers require a master's degree. All 50 states require registration for engineering positions that may affect life, health or property of the public. Registration generally requires a bachelor's degree, four years of working experience and passing a state examination.

[← Back to Occupations](#) [Save](#) [Print](#)

Show All Hide All

Job Tasks

- Confer with test pilots, customer executives & research engineers to identify special needs and performance characteristics for future aircraft, space vehicles and military missiles.
- Design aircraft structural components such as fuselage, wings, rib assemblies, landing gears, etc. and make decisions of pilot control systems needed.
- Decide and plan the engine propulsion design based upon the aircraft power requirements. They decide on construction materials in order to withstand stresses.
- Request prototype versions of new designs for testing in laboratories prior to flight. Use computers to simulate the effects of flight on new designs.

Education Requirements

People can enter this occupation with more than one type of credentials. The following are the most common:

- Bachelor Degree
- Masters Degree

Majors/Areas of Study at Saint Edward's University:

Mathematics

Save

A general program that focuses on the analysis of quantities, magnitudes, forms, and their relationships, using symbolic logic and language. Includes instruction in algebra, calculus, functional analysis, geometry, number theory, logic, topology and other mathematical specializations.

New Description

Other Common Majors/Areas of Study:

Aeronautical/Aerospace Engineering Technology

Save

A program that prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in developing, manufacturing and testing aircraft, spacecraft, and their systems. Includes instruction in aircraft/spacecraft systems technology, design and development testing, design and development testing, prototype and operational testing, inspection and maintenance procedures, instrument calibration, test equipment operation and maintenance, and report preparation.

Aerospace, Aeronautical and Astronautical Engineering

Save

A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of aircraft, space vehicles, and their systems; applied research on flight characteristics; and the development of systems and procedures for the launching, guidance, and control of air and space vehicles.

Computational Science

Save

A program that focuses on the study of scientific computing and its application. Includes instruction in scientific visualization, multi-scale analysis, grid generation, data analysis, applied mathematics, numerical algorithms, high performance parallel computing, and numerical modeling and simulation with applications in science, engineering and other disciplines in which computation plays an integral role.

Review and save at least 5 favorite occupations. List your favorite occupations that you have saved

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

Review and save 1-2 majors that will support those occupations.

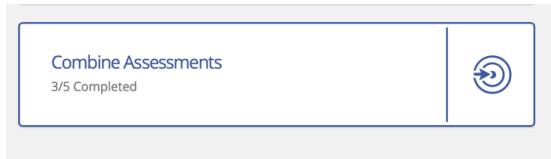
List majors offered at your college that support your favorite occupations

- _____
- _____

- _____
- _____
- _____

Combine Assessments

Narrow down your occupation choices by combining your assessment results to identify occupations that occur in multiple assessments and note trends in reoccurring majors.

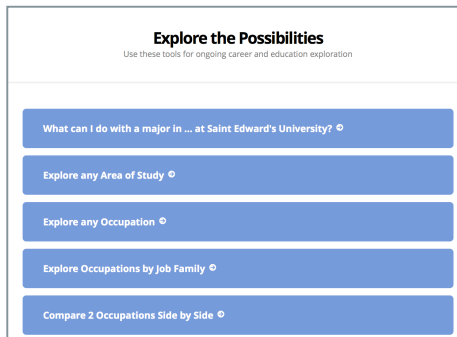


Are there any occupations that appeal to you that match several of your of your personal attributes? List your favorites.

- _____
- _____
- _____

Explore the Possibilities:

Use these tools for ongoing career and major exploration. Exploration of occupations is a key component of career planning





What Can I do with a Major In...offered at your college? Select any major of interest to you to learn more taking note of the suggested majors that support your work interests type. Explore the occupations associated with a major of interest to you.

- **Explore any area of study** that interests you.
- **Explore any occupation** by title
- Explore occupations in the same **Job Family**.
- **Compare 2 occupations side by side** to see what is similar about an occupation and what may be different.

Action Planning

Prepare a road map of your academic and career development activities.

Take Action
Create a road map of your academic and career development activities


My Education  My Professional Development 


- Record and keep track of your education plans and experiences
- Record and keep track of your professional development. This will help you in prepare a resume in the future.


Your Results and Portfolio

- Review the occupations you have saved. Edit your comments and make decisions.
- Click on My Saved Majors and select your **top choice major**.
- Build your portfolio to review all of your reports and results.

Diane Smith's Career and Education Planning Results
A summary of your assessment results and saved preferences

 My Saved Occupations

 My Saved Majors

 Review and Print My Portfolio

From this page you can create a customized printable report. Items that are *grayed out* have not been completed and therefore cannot be included. Please select the items you would like to include and click the *Build My Portfolio* button.

[SELECT ALL](#)

<input type="checkbox"/> My Career Planning Readiness	<input type="checkbox"/> My Academic Strengths	<input type="checkbox"/> My Work Interest Assessment	<input type="checkbox"/> My Values Assessment
<input type="checkbox"/> My Personality Assessment	<input type="checkbox"/> My Skills Assessment	<input type="checkbox"/> My Action Plan	<input type="checkbox"/> My Saved Occupations
<input type="checkbox"/> My Saved Majors			

[BUILD MY PORTFOLIO](#)

Summing it Up:

Use your FOCUS 2 PORTFOLIO to answer the following questions.

Do your preferred occupations match your personality preferences, career interests, skills and values?

What is your TOP CHOICE MAJOR? Why is this major a good fit for you?

What questions / comments do you have about the major(s) you are considering?

How does understanding your FOCUS 2 self assessment results give you career direction and guide your decision making?

Informed Decision Making

Continue to use FOCUS 2 as a resource to help you make informed decisions about your career and education.