



Final Report
Attachment 1

Project Timeline
Recruitment Materials
PathTech LIFE Surveys

Project Timeline: September 2015 to August 2019

Recruitment Materials: List of ATE Center Partners
Handout for Participating Colleges
Survey Flyer for Students

Surveys: Pilot Survey
Round 1 Survey
Rounds 2 and 3 Survey (Example Reponse)



TIMELINE

September 2015 – January 2016	Drafted initial survey	Year 1
February – April 2016	Received input from panel of experts made up of two people from each ATE Center using Delphi technique (three iterative rounds)	
April 2016	Completed survey revisions; Completed IRB modification	
April – May 2016	Distributed Round 1 pilot survey to students at six colleges (97 respondents)	
June – August 2016	Analyzed data 1 st pilot survey data, revised survey based on findings	
September 2016	Conducted one-on-one interviews with four students while taking survey	Year 2
October 2016	Completed survey revisions; Completed IRB modification	
November – December 2016	Distributed 2 nd pilot survey to students at 18 colleges (147 respondents)	
January – March 2017	Shortened survey from 25 to 15 minutes; Revised distribution plan to include direct communication with colleges; Completed IRB modification	
April 2017 – May 2017	Distributed 1st round national survey to students at 25 colleges (528 respondents)	
May – September 2017	Analyzed Round 1 st round national data, prepared reports, publications, and presentations	
October – December 2017	Distributed 2nd round national survey to students at 59 colleges (1344 respondents)	Year 3
January – February 2018	Analyzed 2 nd round national data, prepared reports, publications, and presentations	
March – June 2018	Distributed 3rd round national survey to 65 colleges (1443 respondents)	
June 2018 and February 2019	Received supplemental funding and no-cost extensions to extend project to August 2019	Year 4
June 2018 – August 2019	Analyze all data, prepare reports, publications, and presentations	



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INFORMED CONSENT TO PARTICIPATE IN RESEARCH

Information to Consider Before Taking Part in this Research Study

IRB Study # Pro00021314

Researchers at the University of South Florida (USF) study many topics. To do this, we need the help of people who agree to take part in a research study. This form tells you about this research study. We are asking you to take part in a research study that is called: *PathTech LIFE: A National Survey of LIFE (Learning, Interests, Family, and Employment) Experiences Influencing Pathways into Advanced Technologies (#1501999)*. The person who is in charge of this research study is Dr. Will Tyson. This person is called the Principal Investigator.

This study is sponsored by the National Science Foundation.

PURPOSE OF THE STUDY

You are being asked to participate because you are a student enrolled in a course or program in engineering technology, advanced manufacturing technology, nanotechnology, or environmental and energy technology. The purpose of this study is to gain a better understanding of your career goals as well life and work experiences related to your academic experience. The information that you provide will help improve the academic and career support offered by community colleges to students enrolled in technician education programs.

STUDY PROCEDURES

If you take part in this study, you will be asked to:

- 1) Complete our online 25 minute survey.

We will collect your name and contact information so we can send you a \$25 electronic gift card as compensation responding to our survey. Your contact information will not be used for any other purpose. Only members of the research team will have access to this information.

ALTERNATIVES/VOLUNTARY PARTICIPATION/WITHDRAWAL

You have the alternative to choose not to participate in this research study.

You should only take part in this study if you want to volunteer; you are free to participate in this research or withdraw at any time. There will be no penalty or loss of benefits you are entitled to receive if you stop taking part in this study. (Your decision to participate or not to participate will not affect your student status (course grade)).

BENEFITS and RISKS

This research is considered to be minimal risk. We do not know if you will get any benefits by taking part in this study. However, your participation will provide useful information about the experiences of students enrolled in engineering technology course or programs.

COMPENSATION

You will receive a \$25 electronic gift card for responding to the preliminary survey and/or the final survey

PRIVACY & CONFIDENTIALITY

We must keep your study records as confidential as possible. We are using Qualtrics, an online survey platform, to administer our survey. Qualtrics has a protective privacy policy regarding e-mail addresses and personal information and does not sell this information or survey data. Qualtrics' servers are protected by high-end firewall systems. Qualtrics protects surveys with passwords and HTTP referrer checking. Qualtrics collected survey data is hosted by third party data centers that are SSAE-16 SOC II certified. Qualtrics encrypts all the data. Survey data on deprecated hard drives are destroyed by United States Department of Defense methods and delivered to a third-party data destruction service by Qualtrics.

It is possible, although unlikely, that unauthorized individuals could gain access to your responses because you are responding online. However, certain people may need to see

your study records. By law, anyone who looks at your records must keep them completely confidential. The only people who will be allowed to see these records are the Principal Investigator and members of our research team.

- **National Science Foundation**
- **The University of South Florida Institutional Review Board (IRB)**

Confidentiality will be maintained to the degree permitted by the technology used. No guarantees can be made regarding the interception of data sent via the Internet. However, your participation in this online survey involves risks similar to a person's everyday use of the Internet. If you complete and submit an anonymous survey and later request your data be withdrawn, this may or may not be possible as the researcher may be unable to extract anonymous data from the database.

CONTACT INFORMATION

If you have any questions about your rights as a research participant, please contact the USF IRB at 974-5638. If you have questions regarding the research, please contact the Principal Investigator at 813-974-2893.

We may publish what we learn from this study. If we do, we will not let anyone know your name. We will not publish anything else that would let people know who you are. You can print a copy of this consent form for your records.

I freely give my consent to take part in this study. I understand that by clicking on the "Next Page" button and proceeding with this survey that I am agreeing to take part in research and I am 18 years of age or older.

You are being asked to take this survey because you are enrolled in a course or program in engineering technology, advanced manufacturing technology, nanotechnology, or environmental and energy technology at a two-year college. Please think about your experiences in this program as you answer the survey question.

In order to receive your \$25 electronic gift card, please respond with your name and two-year college email address associated with your technology program. You must use your two-year college email address in order to receive your gift card. We may not be able to verify your enrollment using any other email address. Your contact information will not be used for any other purpose. Only members of the research team will have access to this

information. You will receive the gift card within 10 business days.

Full Name

Two-year College

Email

Q1. Please indicate your employment status (select all that apply):

- Employed full-time (40 hrs or more per week) In the Military
- Employed part-time (less than 35 hours) Not Currently Employed and Not Actively Looking
- Employed Seasonally Not Currently Employed, but Actively Looking for a Job

Q2. Do you believe your current job is related to your current studies?

- Yes
- No

Q2a. If yes, please describe.

Q3. Please describe your current job including title and responsibilities:

Q4. What is your military status?

- Veteran

- Active duty
- Active reserve
- Never served

Q5. Were you in a career and technical education program in high school?

- Yes
- No

Q6. Which of the following describes your prior education? (Select all that apply)

- | | |
|-------------------------------------------------|------------------------------------------------|
| <input type="checkbox"/> Technical School | <input type="checkbox"/> Earned Certificate |
| <input type="checkbox"/> Some two-year college | <input type="checkbox"/> Bachelor's degree |
| <input type="checkbox"/> Some four-year college | <input type="checkbox"/> Other, please specify |
| | <input type="text"/> |
| <input type="checkbox"/> Associates Degree | <input type="checkbox"/> None of the above |

Q7. Before entering the program, how much did you know about career opportunities related to current program of study?

- None
- Some
- A lot

Q8. What colleges are you currently attending?

1	<input type="text"/>
2	<input type="text"/>
3	<input type="text"/>

4

Q9. Please indicate your student enrollment status:

- Full-time student
- Part-time student

Educational Experiences

Q10. How many courses have you taken in the last 12 months?

- | | |
|-------------------------|------------------------------------|
| <input type="radio"/> 1 | <input type="radio"/> 7 |
| <input type="radio"/> 2 | <input type="radio"/> 8 |
| <input type="radio"/> 3 | <input type="radio"/> 9 |
| <input type="radio"/> 4 | <input type="radio"/> 10 |
| <input type="radio"/> 5 | <input type="radio"/> More than 10 |
| <input type="radio"/> 6 | |

Q11. What is your overall GPA?

Q12. What program(s) are you enrolled in?

Q13. How many hours do you spend outside of class doing class-related work, on average:

- 0 to 5 hours per week
- 6 to 10 hours per week

- 11 to 15 hours per week
- 16 or more hours per week

Q14. How often do you get stressed about your coursework?

- Never
- Rarely
- Sometimes
- Frequently
- Always

Motivations

Q15. I decided to enroll in this program because:

	Strongly Disagree	Disagree	Agree	Strongly Agree
I can overcome academic challenges.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I enjoy being in academic environments.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have done well in school before.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am willing to make the effort to complete the program.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have the personality to do well in the program.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to do something new in my life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have always liked to build and fix things with my hands.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q16. I enrolled in the program because:

	Strongly Disagree	Disagree	Agree	Strongly Agree
I want to advance in my current job.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to seek security in an insecure job market.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to gain credentials within my profession.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to specialize in my field.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to expand my knowledge in my field.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to seek intellectual engagement.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to improve my personal growth.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to improve my self-esteem.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to improve my status in my community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to increase my opportunities for a better life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to secure a higher level of employment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to build my technology skills.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to be a lifelong learner.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q17. The time was right to enroll this term due to:

	Strongly Disagree	Disagree	Agree	Strongly Agree
Timing with other life challenges.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A change in my life stage.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A decrease in other social obligations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

A decrease in financial concerns.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A fit within my life plans.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A decrease in family challenges.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A decrease in other commitments.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A decrease in my job responsibilities.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q18. My family influenced my decision to enroll because:

- I need to develop an identity other than a parent.
- I need to develop an identity other than a significant other.
- I need to fulfill a promise to earn a degree I made to a family member.
- I need to be a model for my children.

Q19. How much of an influence did the following have on your decision to enroll in the program?

	No Influence	Some Influence	Strong Influence
Current work experiences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prior educational experiences	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Encouragement from employer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Desire to change jobs and/or career	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Marketing from college and/or program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parent/guardian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sibling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Partner or significant other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

- | | | | |
|-------------------------------|-----------------------|-----------------------|-----------------------|
| Peers/Friends | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Co-workers | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| College or military recruiter | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| College administrator | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| College/Academic advisor | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Teacher/instructor | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Finances

Q20. How often do you face financial challenges when attempting to enroll in courses?

- Never
- Rarely
- Sometimes
- Frequently
- Always

Q21. What resources do you turn to when dealing with financial issues? (Select all that apply)

- | | |
|------------------------------------------------|------------------------------------------------|
| <input type="checkbox"/> Employer assistance | <input type="checkbox"/> Student loans |
| <input type="checkbox"/> Family contribution | <input type="checkbox"/> Financial aid |
| <input type="checkbox"/> Military assistance | <input type="checkbox"/> Additional job |
| <input type="checkbox"/> Personal loans | <input type="checkbox"/> Additional work hours |
| <input type="checkbox"/> Savings | <input type="checkbox"/> Credit cards |
| <input type="checkbox"/> Scholarships | <input type="checkbox"/> None of the above |
| <input type="checkbox"/> Other, please specify | |

Q22. Give an example of how you balance college, work, family, personal, etc.

Program Experiences

Q23. My decision to enroll this term was based on:

	Strongly Disagree	Disagree	Agree	Strongly Agree
The support I receive from my teacher(s).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The support I receive from my academic advisor.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The support I receive from administrators.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The support I receive from my program.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The support I receive from my institution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My fit within the program.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My fit within the institution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The academic requirements of my program.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The academic requirements of my institution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The program's ability to accommodate my work schedule	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The flexibility offered through the program's course structures.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My ability to bond with other students.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My ability to work full-time and study part-time.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q24. I enrolled this term because:

- The program accommodates my work schedule and lifestyle.
- The institution accommodates my work schedule and lifestyle.
- The program allows me to pursue subjects which are important to me.
- The program will lead to my success.

Q25. Rate your level of satisfaction with courses, instruction, and advising in your program:

	Not Satisfied	Somewhat satisfied	Satisfied	Very Satisfied
Courses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Instruction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advising	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q26. Which of the following course formats are have you taken in your program? (*Check all that apply*)

- Face-to-face
- Online
- Blended/Hybrid (online and face-to-face)

Q27. Which of the following have you experienced within your program?

- Invited guest speakers
- Internships
- Industry tours
- Job shadowing

Q28. What I am learning in class helps me in my job.

- Strongly disagree
- Disagree
- Agree
- Strongly agree
- Not Applicable

Q29. On average, how often are the following individuals available to assist you when needed?

	Never	Rarely	Sometimes	Frequently	Always
Instructors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advisors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Administrators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q30. Which of the following resources are available at your college? (check all that apply).

- Childcare
- Financial support
- Flexible courses/schedules
- Online courses
- Hybrid courses
- Tutoring services
- Mentoring
- Other, please specify:

Q31. Rate your overall satisfaction with the program:

- Not satisfied
- Somewhat Satisfied

- Satisfied
- Highly Satisfied

Q32. Which of the following interfere(s) with your ability to advance toward your degree/certificate (check all that apply):

- Struggling with theory
- Struggling with hands-on labs
- Learning disabilities
- Lack of access to tutoring
- Inadequate advising
- Lack of academic preparation
- Child care responsibilities
- Work obligations/schedule
- Financial issues
- Other, please specify
- None of the above

Q33. Please include any other information you would like to share about your experiences in the program.

Q34. What type of credential are you working toward (select all that apply):

- Certificate
- Continuing credit
- Degree

Other: Please identify

Q35. Which of the following do you plan to do?

- Graduate this academic term
- Enroll in the next academic term
- Enroll in the future, but not next term
- Not enroll

If you do not plan to enroll, please explain:

Q36. How committed are you to pursuing a career related to what you are studying?

- Not committed
- Somewhat Committed
- Committed
- Strongly Committed

Q37. How do you think this program will contribute to your future? (Select all that apply)

- Job that better fits my interests
- Gain knowledge in my field
- Higher paying job
- Advancement in the field
- Gain respect from my colleagues
- Personal fulfillment

Other, please specify

Q38. What degrees, if any, do you plan to attain in your future (Select all that apply):

- | | |
|--------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> None | <input type="checkbox"/> Bachelor's |
| <input type="checkbox"/> GED | <input type="checkbox"/> Master's |
| <input type="checkbox"/> High School | <input type="checkbox"/> Doctoral |
| <input type="checkbox"/> Certificate | <input type="checkbox"/> Other (please describe) |

Associate's

Q39. What jobs are you most interested in pursuing in the future? Please describe below.

Demographics

Q40. What is your age?

Q41. Please indicate your gender:

- Female
- Male
- Non-gender conforming

Q42. Race/ethnicity:

Select all that apply

- White**
For example, German, Irish, English, Italian, Polish, French, etc.
- Hispanic, Latino, or Spanish origin**
For example, Mexican or Mexican American, Puerto Rican, Cuban, Salvadoran, Dominican, Colombian, etc
- Black or African American**
For example, African American, Jamaican, Haitian, Nigerian, Ethiopian, Somalian, etc.
- Asian**
For example, Chinese, Filipino, Asian Indian, Vietnamese, Korean, Japanese, etc.
- American Indian or Alaska Native**
For example, Navajo Nation, Blackfeet Tribe, Mayan, Aztec, Native Village of Barrow Inupiat Traditional Government, Nome Eskimo Community, etc.
- Middle Eastern or North African**
For example, Lebanese, Iranian, Egyptian, Syrian, Moroccan, Algerian, etc.
- Native Hawaiian Native or Other Pacific Islander**
For example, Native Hawaiian, Samoan, Chamorro, Tongan, Fijian, Marshallese, etc.
- Some other race, ethnicity or origin**
Please specify

Q43. Indicate your residency status:

- US Citizen
- Permanent Resident
- Other

Q44. Is English your primary language?

- Yes
- No

Q45. Please indicate your mother's highest level of education attainment:

- Less than high school
- High school
- Some college
- Associate's degree/certificate
- Bachelor's degree
- Master's degree
- Doctoral degree
- Unknown

Q46. Please indicate your father's highest level of education attainment:

- | | |
|------------------------------------------------------|-----------------------------------------|
| <input type="radio"/> Less than high school | <input type="radio"/> Bachelor's degree |
| <input type="radio"/> High school | <input type="radio"/> Master's degree |
| <input type="radio"/> Some college | <input type="radio"/> Doctoral degree |
| <input type="radio"/> Associate's degree/certificate | <input type="radio"/> Unknown |

Q48. Please indicate the number of children or other dependents you have:

- | | | |
|-------------------------|-------------------------|---------------------------------|
| <input type="radio"/> 0 | <input type="radio"/> 2 | <input type="radio"/> 4 |
| <input type="radio"/> 1 | <input type="radio"/> 3 | <input type="radio"/> 5 or more |

Q47. Please indicate your marital status:

- Divorced
- Married
- Single
- Widowed
- Co-habiting with a significant other

Q49. Please estimate your annual household income:

- | | |
|-----------------------------------------------------|-----------------------------------------------------|
| <input type="radio"/> Less than \$10,000 | <input type="radio"/> Between \$60,000 and \$69,999 |
| <input type="radio"/> Between \$10,000 and \$19,999 | <input type="radio"/> Between \$70,000 and \$79,999 |
| <input type="radio"/> Between \$20,000 and \$29,999 | <input type="radio"/> Between \$80,000 and \$89,999 |
| <input type="radio"/> Between \$30,000 and \$39,999 | <input type="radio"/> Between \$90,000 and \$99,999 |
| <input type="radio"/> Between \$40,000 and \$49,999 | <input type="radio"/> \$100,000 and higher |
| <input type="radio"/> Between \$50,000 and \$59,999 | <input type="radio"/> Unknown |

Q50. How much do you believe any of the following personal characteristics impact *your* experience as a student?

	Negatively	Somewhat negatively	No influence	Somewhat positively	Positively
Your age	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your marital status	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having children	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your gender	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your race and/or ethnicity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your sexual orientation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q51. If any of these characteristics impact your experience, please explain:

Q52. Do you yourself have a disability or impairment (or a difference that other people consider to be a disability or impairment)?

- Yes
- No

Q53. Please explain:

Q54. Is there anything else you would like to tell us about yourself and your experiences?

Q55. Is there anything you would like to tell us to help us improve this survey?

Please confirm your name and college email address in order to verify your enrollment receive your \$25 electronic gift card. Your contact information will not be used for any other purpose. You will receive the gift card within 10 business days.

Full Name

College Email

Thank you for your time and insights!

**IRB Number: Pro00021314
Version.#: 1
IRB Consent Rev.: 12/7/2015**



Powered by Qualtrics

^R = Regional

^N = National

Advanced Manufacturing

^R**FLATE** Florida Advanced Technological Education Center (Tampa, FL)

www.fl-ate.org

- Marilyn Barger

^R**CARCAM** Consortium for Alabama Regional Center for Automotive Manufacturing (Gadsden, AL)

www.carcam.org

- Beverly Hilderbrand

^R**RCNGM** Regional Center for Next Generation Manufacturing (Farmington, CT)

www.nextgenmfg.org

- Karen Wosczyzna-Birch

Environmental & Energy Technologies

^R**CREATE** California Regional Consortium for Engineering Advances in Technological Education (Santa Clara, CA)

www.create-california.org

- Kathleen Alfano

^N**RCNET** Regional Center for Nuclear Education and Training (Fort Pierce, FL)

www.gonuke.org

- Kevin Cooper

Engineering Technologies

^N**MatEdu** National Resource Center for Materials Technology Education (Lynnwood, WA)

www.materialseducation.org

- Mel Cossette

Micro & Nano Technologies

^R**NEATEC** Northeast Advanced Technological Education Center (Troy, NY)

www.neatec.org

- Abe Michelen



PathTech LIFE: Constructing a National Survey of Engineering Technology Students (NSF #1501999)

Overview

Researchers from the University of South Florida's Department of Sociology and College of Education and the Florida Advanced Technological Education Center (FLATE) are conducting a national survey of individuals completing coursework, certification, and AS/AAS degrees in advanced technologies at community colleges. The purpose of this survey is to determine how student pathways, career goals, and school-work-life balance influence program recruitment and retention. Because many students are adults with numerous and complex life challenges (i.e., family, personal, school, and work), an investigation into their lived experiences is necessary to inform institutional efforts to support their success.

College Partners Incentives

Each college partner will receive a \$500 technology stipend and a findings report comparing your students to our national sample if 70% of your students complete the survey. The 70% response rate benchmark is necessary to ensure our sample is representative of all students. Colleges who do not reach 70% will still receive a national findings report. Each student to complete the survey will receive \$25 directly from PathTech. The survey will take about 25 minutes.

College Commitments

We are asking each participating college to commit to do the following:

- Appoint a contact person to correspond with the PathTech research team.
- Distribute the attached flyer and/or survey link to students taking courses in these fields:
 - Engineering technology
 - Advanced manufacturing
 - Micro and nano technology
 - Energy and environmental technology
- Provide the number of students who received the flyer and/or survey link so we can calculate the response rate.
- Confirm a list of survey participants are active students in your program.

Thank you for agreeing to participate in this project. We hope that geographic location of your college partners will allow us to reach a broad cross-section of the country that will yield findings that are generalizable across colleges and technological fields. Please contact Principal Investigator Will Tyson at pathtech@usf.edu with any questions.

PathTech



**PathTech LIFE: Constructing a National Survey of
Engineering Technology Students (#1501999)**
Principal Investigator: Will Tyson pathtech@usf.edu
USF IRB# Pro00021314
Funded by the **National Science Foundation**

Earn \$25 by completing a 25 minute survey

We are looking for students taking community college courses in the following advanced technology fields:

- Engineering technology
- Advanced manufacturing
- Micro and nano technology
- Energy and environmental technology



Survey link in English and Spanish:

<http://tinyurl.com/PathTechLIFESurvey>



PathTech



www.sociology.usf.edu/pathtech/

Goal:

PathTech LIFE seeks to understand how learning, interests, family, and employment (LIFE) experiences of two-year college students impact their decisions to enroll, return for further coursework, and/or pursue a certificate or degree.

USF

UNIVERSITY OF
SOUTH FLORIDA

PathTech LIFE: Constructing a National Survey of Engineering Technology Students (#1501999)
Principal Investigator: Will Tyson pathtech@usf.edu
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PathTech LIFE



A national survey of LIFE experiences influencing **pathways** in advanced **technologies**.



English

Consent

INFORMED CONSENT TO PARTICIPATE IN RESEARCH

Information to Consider Before Taking Part in this Research Study

IRB Study # Pro00021314

Researchers at the University of South Florida (USF) study many topics. To do this, we need the help of people who agree to take part in a research study. This form tells you about this research study. We are asking you to take part in a research study called PathTech LIFE: Constructing a National Survey of Engineering Technology Students through Regional and Statewide Testing (#1501999). The person who is in charge of this research study is Dr. Will Tyson. This person is called the Principal Investigator.

This study is sponsored by the National Science Foundation.

PURPOSE OF THE STUDY

You are being asked to participate because you are a student enrolled in a course or program in at least one of the following areas: engineering technologies, advanced manufacturing technologies, micro and nano technologies, or energy and environment technologies.

The purpose of this study is to gain a better understanding how learning, interest, family, and employment (LIFE) influences your academic experiences. The information that you provide will help improve the academic and career support offered by community colleges to students enrolled in technician education programs.

STUDY PROCEDURES

If you take part in this study, you will be asked to:

- 1) Complete our online 15 minute survey.

We will collect your name and contact information so we can send you a \$25 electronic gift card as

compensation responding to our survey. Your contact information will not be used for any other purpose. Only members of the research team will have access to this information.

ALTERNATIVES/VOLUNTARY PARTICIPATION/WITHDRAWAL

You have the alternative to choose not to participate in this research study. You should only take part in this study if you want to volunteer; you are free to participate in this research or withdraw at any time. There will be no penalty or loss of benefits you are entitled to receive if you stop taking part in this study. (Your decision to participate or not to participate will not affect your student status (course grade)).

BENEFITS and RISKS

This research is considered to be minimal risk. We do not know if you will get any benefits by taking part in this study. However, your participation will provide useful information about the experiences of students enrolled in engineering technology course or programs.

COMPENSATION

You will receive a \$25 electronic gift card for responding to the preliminary survey and/or the final survey. In order to receive your \$25 electronic gift card, please respond with your name and college email address associated with your technology program. You must use your college email address in order to receive your gift card. We may not be able to verify your enrollment using any other email address. Your contact information will not be used for any other purpose. Only members of the research team will have access to this information. You will receive the gift card in April or May by the end of the survey period.

PRIVACY & CONFIDENTIALITY

We must keep your study records as confidential as possible. We are using Qualtrics, an online survey platform, to administer our survey. Qualtrics has a protective privacy policy regarding e-mail addresses and personal information and does not sell this information or survey data. Qualtrics' servers are protected by high-end firewall systems. Qualtrics protects surveys with passwords and HTTP referer checking. Qualtrics collected survey data is hosted by third party data centers that are SSAE-16 SOC II certified. Qualtrics encrypts all the data. Survey data on deprecated hard drives are destroyed by United States Department of Defense methods and delivered to a third-party data destruction service by Qualtrics.

It is possible, although unlikely, that unauthorized individuals could gain access to your responses because you are responding online. However, certain people may need to see your study records. By law, anyone who looks at your records must keep them completely confidential. The only people who will be allowed to see these records are the Principal Investigator and members of our

research team.

- National Science Foundation
- The University of South Florida Institutional Review Board (IRB)

Confidentiality will be maintained to the degree permitted by the technology used. No guarantees can be made regarding the interception of data sent via the Internet. However, your participation in this online survey involves risks similar to a person's everyday use of the Internet. If you complete and submit an anonymous survey and later request your data be withdrawn, this may or may not be possible as the researcher may be unable to extract anonymous data from the database.

CONTACT INFORMATION

If you have any questions about your rights as a research participant, please contact the USF IRB at 974-5638. If you have questions regarding the research, please contact the Principal Investigator at 813-974-2893.

We may publish what we learn from this study. If we do, we will not let anyone know your name. We will not publish anything else that would let people know who you are. You can print a copy of this consent form for your records. I freely give my consent to take part in this study. I understand that by clicking on the "Next" button and proceeding with this survey that I am agreeing to take part in research and I am 18 years of age or older.

Browser Meta Info

This question will not be displayed to the recipient.

Browser: **Safari**

Version: **10.1**

Operating System: **Macintosh**

Screen Resolution: **1440x900**

Flash Version: **-1**

Java Support: **1**

User Agent: **Mozilla/5.0 (Macintosh; Intel Mac OS X 10_11_6) AppleWebKit/603.1.30 (KHTML, like Gecko) Version/10.1 Safari/603.1.30**

Intro

In order to receive your \$25 electronic gift card, you will be asked at the end of the survey for your

name and college email address associated with your technology program. Only members of the research team will have access to this information. You will receive the gift card in April or May by the end of the survey period.

Please think about your experiences in your college technology program as you answer the questions that follow.

What is the name of the college that you currently attend that invited you to take this survey?

Are you currently enrolled at $\{q://QID4/ChoiceGroup/SelectedChoices\}$ as a full-time or part-time student?

- Full-time student
- Part-time student

Which of the following best describes your major or academic program at $\{q://QID4/ChoiceGroup/SelectedChoices\}$? Select all that apply.

- Advanced manufacturing technologies
- Energy and environment technologies
- Micro and nano technologies
- Engineering technologies
- None of the above

What is your approximate GPA at $\{q://QID4/ChoiceGroup/SelectedChoices\}$?

- Less than 2.0
- Between 2.0 and 2.49
- Between 2.5 and 2.99
- Between 3.0 and 3.49
- Between 3.5 and 4.0
- I don't know/I don't yet have a GPA

Are you currently attending any other colleges in addition to $\{q://QID4/ChoiceGroup/SelectedChoices\}$?

- Yes
- No

Please list up to three other colleges you are currently attending.

College 1

College 2

College 3

Including your current courses, about how many college-level courses have you taken in the last 12 months?

Generally speaking, how difficult do you find your coursework?

- Extremely difficult
- Very difficult
- Somewhat difficult
- Not too difficult
- Not difficult at all

In a typical week, about how many hours do you spend doing homework or course-related work outside of class?

- 0 to 5 hours per week
- 6 to 10 hours per week
- 11 to 15 hours per week
- 16 or more hours per week

Experience

The next few questions are about your work experience and educational background.

Please indicate your employment status (select all that apply):

- Employed full-time (35 hours or more per week)
- Employed part-time (less than 35 hours)
- Employed seasonally
- In the military
- Not currently employed, but actively looking for a job
- Not currently employed and not actively looking

Is your current job related to your current studies?

- Yes
- No

In what ways is your job related to your current studies?

What is your military status?

- Veteran
- Active duty
- Active reserve
- Never served

Which of the following describes your educational background before enrolling in your current program at [QID4/ChoiceGroup/SelectedChoices](#)? (Select all that apply)

- Completed high school or GED
- Technical school
- Earned certificate
- Some two-year college
- Some four-year college
- Associate's degree
- Bachelor's degree

Post-graduate studies

Thinking back to when you were in high school, which of the following best describes your grades?

- Mostly As
- Mostly As and Bs
- Mostly Bs and Cs
- Mostly Cs and Ds
- Mostly Ds and below
- Grades not used/Don't know

In high school, did a teacher/counselor/mentor tell you about career opportunities related to your current program of study?

- Yes
- No

Were you in a career and technical education program in high school? (e.g., Engineering/Technology, Agricultural, Business and/or Marketing, Family and Consumer Sciences)

- Yes
- No

Prism - Max Diff section

The following is a list of reasons why some people enroll in a program like yours.

Please review the list below. Which factor would you say is the most important reason why you chose to enroll this semester and which is the least important (or least applicable) reason for enrolling?

Most important

I want to improve my self-esteem

I want to expand my knowledge in my field

Least important

- | | | |
|-----------------------|---------------------------------------------------------------------------|-----------------------|
| <input type="radio"/> | I want to improve my personal growth | <input type="radio"/> |
| <input type="radio"/> | I want to increase my opportunities for a better life | <input type="radio"/> |
| <input type="radio"/> | I can overcome academic challenges | <input type="radio"/> |
| <input type="radio"/> | I am willing to make the effort to complete the program | <input type="radio"/> |
| <input type="radio"/> | I have always liked to build and fix things with my hands | <input type="radio"/> |
| <input type="radio"/> | I want to build my technology skills | <input type="radio"/> |
| <input type="radio"/> | A change in employment or job responsibilities | <input type="radio"/> |
| <input type="radio"/> | A change in finances or financial concerns | <input type="radio"/> |
| <input type="radio"/> | A change in family commitments | <input type="radio"/> |
| <input type="radio"/> | Some other major life change (aside from employment, finances, or family) | <input type="radio"/> |
| <input type="radio"/> | The support I receive in my program | <input type="radio"/> |
| <input type="radio"/> | My fit within my program | <input type="radio"/> |
| <input type="radio"/> | The academic requirements of my program | <input type="radio"/> |
| <input type="radio"/> | The program accommodates my lifestyle | <input type="radio"/> |

Excluding now those factors you just identified as most and least important, which of the remaining factors would you say is the most important reason why you chose to enroll this semester and which is the least important (or least applicable) reason for enrolling?

Most important

Least important

- The support I receive in my program
- I want to build my technology skills
- A change in finances or financial concerns
- A change in employment or job responsibilities
- I can overcome academic challenges
- I want to improve my self-esteem
- I want to expand my knowledge in my field
- I am willing to make the effort to complete the program
- I have always liked to build and fix things with my hands
- Some other major life change (aside from employment, finances, or family)
- I want to increase my opportunities for a better life
- The academic requirements of my program
- My fit within my program
- A change in family commitments
- The program accommodates my lifestyle
- I want to improve my personal growth

Of the remaining factors, which would you say is the most important reason why you chose to enroll this semester and which is the least important (or least applicable) reason for enrolling?

Most important

Least important

- | | | |
|-----------------------|---------------------------------------------------------------------------|-----------------------|
| <input type="radio"/> | A change in employment or job responsibilities | <input type="radio"/> |
| <input type="radio"/> | I want to improve my self-esteem | <input type="radio"/> |
| <input type="radio"/> | I want to increase my opportunities for a better life | <input type="radio"/> |
| <input type="radio"/> | The program accommodates my lifestyle | <input type="radio"/> |
| <input type="radio"/> | I want to improve my personal growth | <input type="radio"/> |
| <input type="radio"/> | Some other major life change (aside from employment, finances, or family) | <input type="radio"/> |
| <input type="radio"/> | My fit within my program | <input type="radio"/> |
| <input type="radio"/> | The academic requirements of my program | <input type="radio"/> |
| <input type="radio"/> | I can overcome academic challenges | <input type="radio"/> |
| <input type="radio"/> | I am willing to make the effort to complete the program | <input type="radio"/> |
| <input type="radio"/> | The support I receive in my program | <input type="radio"/> |
| <input type="radio"/> | I want to build my technology skills | <input type="radio"/> |
| <input type="radio"/> | A change in finances or financial concerns | <input type="radio"/> |
| <input type="radio"/> | A change in family commitments | <input type="radio"/> |
| <input type="radio"/> | I want to expand my knowledge in my field | <input type="radio"/> |



I have always liked to
build and fix things
with my hands



Of the remaining factors, which would you say is the most important reason why you chose to enroll this semester and which is the least important (or least applicable) reason for enrolling?

Most important

Least important



The support I receive
in my program



A change in finances
or financial concerns



I can overcome
academic challenges



I have always liked to
build and fix things
with my hands



A change in family
commitments



I want to improve my
self-esteem



My fit within my
program



I am willing to make
the effort to complete
the program



The program
accommodates my
lifestyle



I want to increase my
opportunities for a
better life



The academic
requirements of my
program



Some other major life
change (aside from
employment, finances,
or family)



I want to build my
technology skills



- | | | |
|-----------------------|------------------------------------------------|-----------------------|
| <input type="radio"/> | I want to improve my personal growth | <input type="radio"/> |
| <input type="radio"/> | A change in employment or job responsibilities | <input type="radio"/> |
| <input type="radio"/> | I want to expand my knowledge in my field | <input type="radio"/> |

Of the remaining factors, which would you say is the most important reason why you chose to enroll this semester and which is the least important (or least applicable) reason for enrolling?

Most important

Least important

- | | | |
|-----------------------|---------------------------------------------------------------------------|-----------------------|
| <input type="radio"/> | Some other major life change (aside from employment, finances, or family) | <input type="radio"/> |
| <input type="radio"/> | I want to increase my opportunities for a better life | <input type="radio"/> |
| <input type="radio"/> | I want to improve my self-esteem | <input type="radio"/> |
| <input type="radio"/> | A change in family commitments | <input type="radio"/> |
| <input type="radio"/> | The support I receive in my program | <input type="radio"/> |
| <input type="radio"/> | I can overcome academic challenges | <input type="radio"/> |
| <input type="radio"/> | A change in employment or job responsibilities | <input type="radio"/> |
| <input type="radio"/> | I have always liked to build and fix things with my hands | <input type="radio"/> |
| <input type="radio"/> | The program accommodates my lifestyle | <input type="radio"/> |
| <input type="radio"/> | I want to improve my personal growth | <input type="radio"/> |
| <input type="radio"/> | I want to expand my knowledge in my field | <input type="radio"/> |
| <input type="radio"/> | I am willing to make the effort to complete | <input type="radio"/> |

- | | | |
|-----------------------|--------------------------------------------|-----------------------|
| | the program | |
| <input type="radio"/> | A change in finances or financial concerns | <input type="radio"/> |
| <input type="radio"/> | The academic requirements of my program | <input type="radio"/> |
| <input type="radio"/> | I want to build my technology skills | <input type="radio"/> |
| <input type="radio"/> | My fit within my program | <input type="radio"/> |

Of the remaining factors, which would you say is the most important reason why you chose to enroll this semester and which is the least important (or least applicable) reason for enrolling?

Most important

Least important

- | | | |
|-----------------------|-------------------------------------------------------|-----------------------|
| <input type="radio"/> | I want to expand my knowledge in my field | <input type="radio"/> |
| <input type="radio"/> | The support I receive in my program | <input type="radio"/> |
| <input type="radio"/> | I can overcome academic challenges | <input type="radio"/> |
| <input type="radio"/> | My fit within my program | <input type="radio"/> |
| <input type="radio"/> | A change in finances or financial concerns | <input type="radio"/> |
| <input type="radio"/> | A change in family commitments | <input type="radio"/> |
| <input type="radio"/> | The academic requirements of my program | <input type="radio"/> |
| <input type="radio"/> | A change in employment or job responsibilities | <input type="radio"/> |
| <input type="radio"/> | I want to improve my personal growth | <input type="radio"/> |
| <input type="radio"/> | The program accommodates my lifestyle | <input type="radio"/> |
| <input type="radio"/> | I want to increase my opportunities for a better life | <input type="radio"/> |

- | | | |
|-----------------------|---------------------------------------------------------------------------|-----------------------|
| <input type="radio"/> | I have always liked to build and fix things with my hands | <input type="radio"/> |
| <input type="radio"/> | I want to build my technology skills | <input type="radio"/> |
| <input type="radio"/> | I want to improve my self-esteem | <input type="radio"/> |
| <input type="radio"/> | Some other major life change (aside from employment, finances, or family) | <input type="radio"/> |
| <input type="radio"/> | I am willing to make the effort to complete the program | <input type="radio"/> |

Finally, how would you rank the remaining factors in terms of their importance to your choice to enroll this semester? Please rank the most important factor as “1,” the next most important factor as “2,” and so forth.

- I want to improve my self-esteem
- I want to expand my knowledge in my field
- I want to improve my personal growth
- I want to increase my opportunities for a better life
- I can overcome academic challenges
- I am willing to make the effort to complete the program
- I have always liked to build and fix things with my hands
- I want to build my technology skills
- A change in employment or job responsibilities
- A change in finances or financial concerns
- A change in family commitments

Some other major life change (aside from employment, finances, or family)

The support I receive in my program

My fit within my program

The academic requirements of my program

The program accommodates my lifestyle

Synchronizing

Did you experience any of the following events in the 12 months leading up to when you began your program at [\\$q://QID4/ChoiceGroup/SelectedChoices](#)? (Select all that apply)

- A change in finances or financial concerns
- A change in family commitments
- A change in employment or job responsibilities
- Some other major life change
- None of the above

Were those changes generally for the better, for the worse, or neither?

	For the better	For the worse	Neutral
» A change in employment or job responsibilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» A change in finances or financial concerns	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» A change in family commitments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» Some other major life change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
» None of the above	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

What life changes, if any, did you make when you began your program that allowed you to better

balance your work, family, school, and other personal and social obligations?

Evaluation

The next few questions are about your experiences in your program.

Generally speaking, how satisfied are you with your program at
\${q://QID4/ChoiceGroup/SelectedChoices}?

- Extremely satisfied
- Very satisfied
- Somewhat satisfied
- Not too satisfied
- Not satisfied at all

How satisfied are you with the courses?

- Extremely satisfied
- Very satisfied
- Somewhat satisfied
- Not too satisfied
- Not satisfied at all

How satisfied are you with the instruction?

- Extremely satisfied
- Very satisfied
- Somewhat satisfied

- Not too satisfied
- Not satisfied at all

How satisfied are you with the advising?

- Extremely satisfied
- Very satisfied
- Somewhat satisfied
- Not too satisfied
- Not satisfied at all

How satisfied are you with the student interaction?

- Extremely satisfied
- Very satisfied
- Somewhat satisfied
- Not too satisfied
- Not satisfied at all

How do you pay for your college expenses, including tuition, fees, books and materials, and transportation? (Select all that apply)

- Student loans (public or private)
- Financial aid from state or federal government
- Scholarships or financial aid from college
- Employer assistance
- Income from primary job
- Family contribution
- Military assistance
- Personal loans
- Personal savings

- Overtime or additional work hours pay
- Income from a second job
- Other, please specify:

How often do you face financial challenges when attempting to enroll in courses?

- Always
- Frequently
- Sometimes
- Rarely
- Never

How well does your program accommodate your work schedule and lifestyle?

- Extremely well
- Very well
- Moderately well
- Slightly well
- Not well at all

What type of credential are you working toward at this program? (Select all that apply)

- Certificate
- Continuing credit
- Degree
- Something else, please specify

Which of the following best describes your plans for the end of the current academic semester or term?

- Graduate at the end of this academic semester or term
- Enroll in the next academic semester or term

- Enroll in the future, but not in the next 6 months
- Not enroll

Why do you not plan to enroll again? Please explain.

What degrees, if any, do you plan to attain in the future? (Select all that apply)

- High school OR GED
- Certificate
- Associate's degree
- Bachelor's degree
- Master's degree
- Doctoral degree
- Some other degree, please specify
- None of these

How committed are you to pursuing a career related to what you are studying in your current program?

- Extremely committed
- Very committed
- Somewhat committed
- Not too committed
- Not committed at all

How do you think this program will contribute to your future? (Select all that apply)

- Job that better fits my interests

- Advancement in the field
- Higher paying job
- Gain respect from my colleagues
- Personal fulfillment
- Gain knowledge in my field
- Some other way, please specify

Final Block

Thank you for your very valuable feedback to this point. We have just a few more demographic and profile questions. Please remember that your responses will be held strictly confidential.

How old are you?

Which best describes your gender?

- Female
- Male
- Non-gender conforming

Which of the following describe you? (Select all that apply)

- White
- Hispanic/Latino
- Black/African American
- Asian
- Native American or American Indian
- Middle Eastern or North African
- Native Hawaiian or Pacific Islander
- Something else, please specify

Which best describes your residency status?

- US citizen (by birth or naturalization)
- Permanent resident
- Other

Is English your first/primary language?

- Yes
- No

Please indicate your mother's highest level of educational attainment:

- Less than high school
- High school or GED
- Some college
- Associate's degree/certificate
- Bachelor's degree
- Master's degree
- Professional degree (e.g., JD or MD)
- Doctoral degree
- Don't know

Please indicate your father's highest level of educational attainment:

- Less than high school
- High school or GED
- Some college
- Associate's degree/certificate
- Bachelor's degree
- Master's degree

- Professional degree (e.g., JD or MD)
- Doctoral degree
- Don't know

Please indicate the number of children in your household:

- 0
- 1
- 2
- 3
- 4
- 5 or more children

What is your marital status?

- Married
- Living with a partner
- Separated
- Divorced
- Single
- Widowed

Do you identify as gay, lesbian, bisexual, or transgender?

- Yes
- No
- Prefer not to say

Please estimate your combined household income in 2016?

- Less than \$10,000
- Between \$10,000 and \$19,999

- Between \$20,000 and \$29,999
- Between \$30,000 and \$39,999
- Between \$40,000 and \$49,999
- Between \$50,000 and \$59,999
- Between \$60,000 and \$69,999
- Between \$70,000 and \$79,999
- Between \$80,000 and \$89,999
- Between \$90,000 and \$99,999
- \$100,000 or higher
- Don't know/Prefer not to say

Did the following have a positive or negative effect on your experience as a student at $\{q://QID4/ChoiceGroup/SelectedChoices\}$ or has it had no effect?

	Positive	Negative	No effect
Your marital status	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your race and/or ethnicity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your gender	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your sexual orientation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having children	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your age	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please briefly describe the effect of these characteristics on your experience as a student at $\{q://QID4/ChoiceGroup/SelectedChoices\}$.

Do you yourself have a disability or impairment (or a difference that other people consider to be a disability or impairment)?

No

Yes, please briefly describe

Prefer not to say

Is there anything else you would like to tell us about yourself and your experiences?

Is there anything you would like to tell us to help us improve this survey?

Thank you for your time and insights! We have no more questions for you.

The next screen will route you to a separate form where you can enter your contact information in order to receive your \$25 electronic gift card.

IRB Number: Pro00021314
Version.#: 5
IRB Consent Rev.: 3/24/2017



Powered by Qualtrics

MetaInfo. Browser Meta Info

Browser: Chrome
Version: 62.0.3202.94
Operating System: WindowsNT 10.0
Screen Resolution: 1366x768
Flash Version: -1
Java Support:
User Agent: Mozilla/5.0 (WindowsNT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/62.0.3202.94 Safari/537.36

Q113. What is the name of the college that you currently attend that invited you to take this survey?

Bryant and Stratton College

experience. Please think about your experiences in your college technology program as you answer the questions that follow.

Q8. Are you currently enrolled at Bryant and Stratton College as a full-time or part-time student?

- Full-time student
- Part-time student

Q13. Which of the following best describes your major or academic program at Bryant and Stratton College? Select all that apply.

- Engineering technologies
- Advanced manufacturing technologies
- Micro and nano technologies
- Energy and environment technologies
- None of the above

Q12. What is your approximate GPA at Bryant and Stratton College?

- Less than 2.0
- Between 2.0 and 2.49
- Between 2.5 and 2.99
- Between 3.0 and 3.49
- Between 3.5 and 4.0
- I don't know/I don't yet have a GPA

Q7new. Are you currently attending any other colleges in addition to Bryant and Stratton College?

- Yes
- No

Q7b. Please list up to three other colleges you are currently attending.

This question was not displayed to the respondent.

Q11. Including your current courses, about how many college-level courses have you taken in the last 12 months?

More than 12

Q15. Generally speaking, how difficult do you find your coursework?

- Extremely difficult
- Very difficult
- Somewhat difficult
- Not too difficult
- Not difficult at all

Q14. In a typical week, about how many hours do you spend doing homework or course-related work outside of class?

- 0 to 5 hours per week
- 11 to 15 hours per week
- 6 to 10 hours per week
- 16 or more hours per week

trans2. The next few questions are about your work experience and educational background.

Q1. Please indicate your employment status (select all that apply):

- Employed full-time (35 hours or more per week)
- Employed part-time (less than 35 hours)
- Employed seasonally
- In the military
- Not currently employed, but actively looking for a job
- Not currently employed and not actively looking

Q2a. Is your current job related to your current studies?

- Yes
- No

Q2b. In what ways is your job related to your current studies?

This question was not displayed to the respondent.

Q4. What is your military status?

- Veteran
- Active duty
- Active reserve
- Never served

Q6. Which of the following describes your educational background before enrolling in your current program at Bryant and Stratton College? (Select all that apply)

- Completed high school or GED
- Technical school
- Earned certificate
- Some two-year college
- Some four-year college
- Associate's degree
- Bachelor's degree
- Post-graduate studies

Q10. Thinking back to when you were in high school, which of the following best describes your grades?

- Mostly As
- Mostly As and Bs
- Mostly Bs and Cs
- Mostly Cs and Ds

- Mostly Ds and below
- Grades not used/Don't know

Q9. In high school, did a teacher/counselor/mentor tell you about career opportunities related to your current program of study?

- Yes
- No

Q5. Were you in a career and technical education program in high school? (e.g., Engineering/Technology, Agricultural, Business and/or Marketing, Family and Consumer Sciences)

- Yes
- No

PMatrix. How important are the following reasons why you chose to enroll this semester?

	Not Important	Somewhat Important	Very Important	Extremely Important
I want to improve my self-esteem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I want to expand my knowledge in my field	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I want to improve my personal growth	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I want to increase my opportunities for a better life	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I can overcome academic challenges	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I am willing to make the effort to complete the program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I have always liked to build and fix things with my hands	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
I want to build my technology skills	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
A change in employment or job responsibilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
A change in finances or financial concerns	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
A change in family commitments	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Some other major life change (aside from employment, finances, or family)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The support I receive in my program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
My fit within my program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The academic requirements of my program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
The program accommodates my lifestyle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

PR1. Earlier you said the following reasons were **not important** in your decision to enroll this semester. Please click and drag these reasons into a ranked order of importance.

This question was not displayed to the respondent.

PR2. Earlier you said the following reasons were **somewhat important** in your decision to enroll this semester. Please click and drag these reasons into a ranked order of importance.

This question was not displayed to the respondent.

PR3. Earlier you said the following reasons were **very important** in your decision to enroll this semester. Please click and drag these reasons into a ranked order of importance.

A change in finances or financial concerns

1

A change in family commitments

2

I want to build my technology skills

3

PR4. Earlier you said the following reasons were **extremely important** in your decision to enroll this semester. Please click and drag these reasons into a ranked order of importance.

My fit within my program	1
The support I receive in my program	2
I want to increase my opportunities for a better life	3
I want to improve my self-esteem	4
I want to expand my knowledge in my field	5
I can overcome academic challenges	6
I want to improve my personal growth	7
I am willing to make the effort to complete the program	8
I have always liked to build and fix things with my hands	9
A change in employment or job responsibilities	10
Some other major life change (aside from employment, finances, or family)	11
The academic requirements of my program	12
The program accommodates my lifestyle	13

Q108. Which of the following people influenced your decision to enroll in the program?

- Parent
- Sibling
- Partner or significant other
- Friend
- Employer or manager
- Co-worker
- Military recruiter
- College recruiter
- College administrator
- Academic advisor
- High school teacher
- College instructor
- Other
- No one influenced my decision

Q109.

How did these people influence your decision?

They are a part of my family and I would do anything for my family. They wanted to see me live a better life for myself.

Q18a. Did you experience any of the following events in the 12 months leading up to when you began your program at Bryant and Stratton College? (Select all that apply)

- A change in employment or job responsibilities
- A change in finances or financial concerns
- A change in family commitments
- Some other major life change

None of the above

Q18b. Were those changes generally for the better, for the worse, or neither?

	For the better	For the worse	Neutral
A change in employment or job responsibilities	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q131. What life changes, if any, did you make when you began your program that allowed you to better balance your work, family, school, and other personal and social obligations?

I began to work out more and become more physically fit.

Intro8. The next few questions are about your experiences in your program.

Q29. Generally speaking, how satisfied are you with your program at Bryant and Stratton College?

- Extremely satisfied
- Very satisfied
- Somewhat satisfied
- Not too satisfied
- Not satisfied at all

Q24a. How satisfied are you with the courses?

- Extremely satisfied
- Very satisfied
- Somewhat satisfied
- Not too satisfied
- Not satisfied at all

Q24b. How satisfied are you with the instruction?

- Extremely satisfied
- Very satisfied
- Somewhat satisfied
- Not too satisfied
- Not satisfied at all

Q24c. How satisfied are you with the advising?

- Extremely satisfied
- Very satisfied
- Somewhat satisfied
- Not too satisfied
- Not satisfied at all

Q24d. How satisfied are you with the student interaction?

- Extremely satisfied
- Very satisfied
- Somewhat satisfied
-

- Not too satisfied
- Not satisfied at all

Q21. How do you pay for your college expenses, including tuition, fees, books and materials, and transportation? (Select all that apply)

- Student loans (public or private)
- Financial aid from state or federal government
- Scholarships or financial aid from college
- Employer assistance
- Income from primary job
- Family contribution
- Military assistance
- Personal loans
- Personal savings
- Overtime or additional work hours pay
- Income from a second job
- Other, please specify:

Q20. How often do you face financial challenges when attempting to enroll in courses?

- Always
- Frequently
- Sometimes
- Rarely
- Never

Q20. How well does your program accommodate your work schedule and lifestyle?

- Extremely well
- Very well
- Moderately well
- Slightly well
- Not well at all

Q110. To the best of your knowledge, are the following resources available at your college? (check if yes)
Do you utilize them or would you utilize them if they were available? (check if yes)

	Available at My College	Do Utilize or Would Utilize
Flexible courses/schedules	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Online courses	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hybrid courses	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Online textbooks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Advising	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tutoring services (i.e. writing center)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mentoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Career/job placement services	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Internship opportunities	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mental health services/counseling	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Student resources centers (i.e. multicultural center, veterans center, women's center)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Disability services	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Food pantry	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Childcare	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Financial support	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Other, please specify:

Q113. To the best of your knowledge, are the following resources available at your college? (check if yes)
Do you utilize them or would you utilize them if they were available? (check if yes)

	Available at My College	Do Utilize or Would Utilize
Flexible courses/schedules	<input type="checkbox"/>	<input type="checkbox"/>
Online courses	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hybrid courses	<input type="checkbox"/>	<input type="checkbox"/>
Online textbooks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Advising	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tutoring services (i.e. writing center)	<input type="checkbox"/>	<input type="checkbox"/>
Mentoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Career/job placement services	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Internship opportunities	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mental health services/counseling	<input type="checkbox"/>	<input type="checkbox"/>
Student resources centers (i.e. multicultural center, veterans center, women's center)	<input type="checkbox"/>	<input type="checkbox"/>
Disability services	<input type="checkbox"/>	<input type="checkbox"/>
Food pantry	<input type="checkbox"/>	<input type="checkbox"/>
Childcare	<input type="checkbox"/>	<input type="checkbox"/>
Financial support	<input type="checkbox"/>	<input type="checkbox"/>
Other, please specify: <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q114. To the best of your knowledge, are the following resources available at your college? (check if yes)
Do you utilize them or would you utilize them if they were available? (check if yes)

	Available at My College	Do Utilize or Would Utilize
Flexible courses/schedules	<input type="checkbox"/>	<input type="checkbox"/>
Online courses	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hybrid courses	<input type="checkbox"/>	<input type="checkbox"/>
Online textbooks	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Advising	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tutoring services (i.e. writing center)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mentoring	<input type="checkbox"/>	<input type="checkbox"/>
Career/job placement services	<input type="checkbox"/>	<input type="checkbox"/>
Internship opportunities	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mental health services/counseling	<input type="checkbox"/>	<input type="checkbox"/>
Student resources centers (i.e. multicultural center, veterans center, women's center)	<input type="checkbox"/>	<input type="checkbox"/>
Disability services	<input type="checkbox"/>	<input type="checkbox"/>
Food pantry	<input type="checkbox"/>	<input type="checkbox"/>
Childcare	<input type="checkbox"/>	<input type="checkbox"/>
Financial support	<input type="checkbox"/>	<input type="checkbox"/>
Other, please specify: <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q32. What type of credential are you working toward at this program? (Select all that apply)

- Certificate
- Continuing credit
- Degree
- Something else, please specify

Q33a. Which of the following best describes your plans for the end of the current academic semester or term?

- Graduate at the end of this academic semester or term
- Enroll in the next academic semester or term
- Enroll in the future, but not in the next 6 months
- Not enroll

Q33b. Why do you not plan to enroll again? Please explain.

This question was not displayed to the respondent.

Q36. What degrees, if any, do you plan to attain in the future? (Select all that apply)

- High school OR GED
- Certificate
- Associate's degree
- Bachelor's degree
- Master's degree
- Doctoral degree
- Some other degree, please specify
- None of these

Q34. How committed are you to pursuing a career related to what you are studying in your current program?

- Extremely committed
- Very committed
- Somewhat committed
- Not too committed
- Not committed at all

Q35. How do you think this program will contribute to your future? (Select all that apply)

- Job that better fits my interests
- Gain knowledge in my field
- Higher paying job
- Advancement in the field
- Gain respect from my colleagues
- Personal fulfillment
- Some other way, please specify

Intro8. Thank you for your very valuable feedback to this point. We have just a few more demographic and profile questions. Please remember that your responses will be held strictly confidential.

Q39. How old are you?

21

Q40. Which best describes your gender?

- Female
- Male
- Non-gender conforming

Q41. Which of the following describe you? (Select all that apply)

- White
- Hispanic/Latino
-

- Black/African American
- Asian
- Native American or American Indian
- Middle Eastern or North African
- Native Hawaiian or Pacific Islander
- Something else, please specify

Q42. Which best describes your residency status?

- US citizen (by birth or naturalization)
- Permanent resident
- Other

Q43. Is English your first/primary language?

- Yes
- No

Q44. Please indicate your mother's highest level of educational attainment:

- Less than high school
- High school or GED
- Some college
- Associate's degree/certificate
- Bachelor's degree
- Master's degree
- Professional degree (e.g., JD or MD)
- Doctoral degree
- Don't know

Q45. Please indicate your father's highest level of educational attainment:

- Less than high school
- High school or GED
- Some college
- Associate's degree/certificate
- Bachelor's degree
- Master's degree
- Professional degree (e.g., JD or MD)
- Doctoral degree
- Don't know

Q46. Please indicate the number of children in your household:

- 0
- 1
- 2
- 3
- 4
- 5 or more children

Q47. What is your marital status?

- Married
- Living with a partner
-

- Separated
- Divorced
- Single
- Widowed

Q47a. Do you identify as gay, lesbian, bisexual, or transgender?

- Yes
- No
- Prefer not to say

Q48. Please estimate your combined household income in 2016?

- Less than \$10,000
- Between \$10,000 and \$19,999
- Between \$20,000 and \$29,999
- Between \$30,000 and \$39,999
- Between \$40,000 and \$49,999
- Between \$50,000 and \$59,999
- Between \$60,000 and \$69,999
- Between \$70,000 and \$79,999
- Between \$80,000 and \$89,999
- Between \$90,000 and \$99,999
- \$100,000 or higher
- Don't know/Prefer not to say

Q49. Did the following have a positive or negative effect on your experience as a student at Bryant and Stratton College or has it had no effect?

	Positive	Negative	No effect
Your age	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Your marital status	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Having children	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Your gender	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Your race and/or ethnicity	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Your sexual orientation	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Q50. Please briefly describe the effect of these characteristics on your experience as a student at Bryant and Stratton College.

This question was not displayed to the respondent.

Q51. Do you yourself have a disability or impairment (or a difference that other people consider to be a disability or impairment)?

- No
- Yes, please briefly describe

- Prefer not to say

Q52. Is there anything else you would like to tell us about yourself and your experiences?

no

Q53.
Is there anything you would like to tell us to help us improve this survey?

no

