Enhancing Student Success in Engineering

Consent Form

**Researcher:**

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**Description:**

A research study is being conducted to investigate why students choose to continue or not continue as engineering majors at UAA. We would like to hear your feedback about your experience in the School of Engineering at UAA. For this purpose you will be asked to complete the following survey.

If you provide permission all identifying information about you will be stripped from the survey.

**Voluntary Nature of Participation:**

You must be 18 or older to participate. Your participation in this study is voluntary. You may stop at any time and you do not have to answer any questions you don’t want to. Nothing will happen to you if you choose not to answer any questions or if you decide not to participate. All questions are optional, and you are free to skip questions if you wish.

**Confidentiality and Voluntary Nature of Consent:**

Your decision to allow us to use your survey responses for research purposes is completely voluntary, and will in no way affect your treatment at UAA. Confidentiality will be maintained by removing your name and/or other identifiers from the survey responses. Therefore, we will not attach your name, address, or any other identifiable information about you to any of your responses, or to any reports or publications describing the results of this study.

**Potential Benefits and Risks:**

There are no known risks or benefits related to your participation in this research project.

Contact People

If you have any questions about this study, please contact Dr. Steffen Peuker at 786-6193. If you have any questions or concerns about your rights as a research participant, please contact Dr. Claudia Lampman, Compliance Officer, at (907) 786-1099.

Please print out a copy of this consent form for your records.

* Checking this box means that you have read the information above and agree to participate in this study. If you have any questions, please feel free to contact us.
* I choose to not participate

If Checking this box means... Is Selected, Then Skip To Are you currently an engineering major?

If I choose to not participate Is Selected, Then End Survey

Are you currently an engineering major?

* Yes
* No

If Yes Is Selected, Then Skip To Why did you choose to become an engineering major

If No Is Selected, Then Skip To What is your current major on page 14.

Why did you choose to become an engineering major?

Please indicate how frequently you do the following activities.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Never | Rarely | Sometimes | Often | All of the Time |
| I interact with my professor in positive, beneficial ways, both in and out of the classroom. |  |  |  |  |  |
| I make effective use of my peers by engaging in group study and collaborative learning |  |  |  |  |  |
| I schedule my time, utilizing time and priority management principles. |  |  |  |  |  |
| I prepare for lectures by reviewing my notes, reading ahead in the text, attempting some problems, and writing down equations. |  |  |  |  |  |
| I practice good study skills in areas such as note taking, test preparation and test tasking |  |  |  |  |  |
| I am aware of best methodologies for reading comprehension. I practice those techniques during my learning process. |  |  |  |  |  |
| I am aware of campus resources such as the writing center, library, etc. and I make use of these resources. |  |  |  |  |  |

Please indicate how strongly you agree or disagree with the following statements.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly Disagree | Disagree | Neither Agree nor Disagree | Agree | Strongly Agree |
| I would give myself an A+ on the amount of time and energy I devote to my studies. |  |  |  |  |  |
| I keep up in my classes by mastering the material presented in the last class before the next class meeting. |  |  |  |  |  |
| I am aware of the importance of being immersed in the academic environment of the institution. Therefore I spend as much time on campus as possible. |  |  |  |  |  |
| I recognize the importance of goal setting and I have clear academic goals. |  |  |  |  |  |
| I effectively manage the various aspects of my personal life such as interactions with family and friends, personal finances, and outside workload. |  |  |  |  |  |
| I am highly motivated to obtain my degree. I have a clear understanding of the reward which a career in my chosen major will bring. |  |  |  |  |  |
| I know other students in my classes and feel part of the academic learning community. |  |  |  |  |  |
| I feel good about the educational experience I am receiving here at UAA and the School of Engineering. |  |  |  |  |  |
| I feel good about myself and my situation. I am confident about my ability to succeed academically. |  |  |  |  |  |

Please indicate how important the following items and to you and your success at UAA and in the School of Engineering.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at all Important | Very Unimportant | Neither Important nor Unimportant | Very Important | Extremely Important |
| Forming a graduation plan . |  |  |  |  |  |
| Positive interactions with my professors in the classroom |  |  |  |  |  |
| Positive interactions with my professors outside of the classroom. |  |  |  |  |  |
| Engaging in group study and collaborative learning with my peers. |  |  |  |  |  |
| Campus resources such as the writing center, library, etc. |  |  |  |  |  |
| Spending time on campus immersed in the academic environment of the institution.. |  |  |  |  |  |
| My own drive and motivation to obtain an engineering degree from UAA. |  |  |  |  |  |
| Feeling a part of the academic community at the UAA School of Engineering. |  |  |  |  |  |

For each statement, indicate how strongly you disagree or agree with the statement.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly Disagree | Disagree | Neither Agree nor Disagree | Agree | Strongly Agree |
| I expect that engineering will be a rewarding career. |  |  |  |  |  |
| The future benefits of studying engineering are worth the effort. |  |  |  |  |  |
| Engineers are well paid. |  |  |  |  |  |
| Engineers contribute more to making the world a better place than people in most other occupations. |  |  |  |  |  |
| Engineers are innovative. |  |  |  |  |  |
| I will have no problem finding a job when I have obtained an engineering degree. |  |  |  |  |  |
| Engineering is an exact science. |  |  |  |  |  |
| My parent(s) are making me study engineering. |  |  |  |  |  |
| Engineering is an occupation that is respected by other people. |  |  |  |  |  |
| I like the professionalism that goes with being an engineer. |  |  |  |  |  |
| I am studying engineering because it will provide me with a lot of money; and I cannot do this in other professions. |  |  |  |  |  |
| Engineers have contributed greatly to fixing problems in the world. |  |  |  |  |  |
| An engineering degree will guarantee me a job when I graduate. |  |  |  |  |  |
| Engineers are creative. |  |  |  |  |  |
| Engineering involves finding precise answers to problems. |  |  |  |  |  |
| I am studying engineering because I enjoy figuring out how things work. |  |  |  |  |  |
| Engineers need good communication and writing skills. |  |  |  |  |  |
| Engineers need to be able to analyze complex data. |  |  |  |  |  |
| Anyone who starts off as an engineering major has the ability to graduate in engineering. |  |  |  |  |  |
| Most of my friends that I ‘hang-out’ with are studying engineering. |  |  |  |  |  |
| I feel confident in my ability to succeed as an engineer. |  |  |  |  |  |
| When I experience failures, it is usually someone else’s fault. |  |  |  |  |  |
| I prefer to solve difficulties on my own, without seeking help from others. |  |  |  |  |  |

I am a

* part time student.
* full time student.

I am

* Male
* Female

My major is (or I plan to major in)

* Civil Engineering
* Electrical Engineering
* Computer Science or Computer Systems Engineering
* Geomatics
* Mechanical Engineering
* Undecided
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I have completed \_\_\_\_\_\_\_ number of years of a college engineering program.

* less than 1
* 1
* 2
* 3
* 4
* 5+

I anticipate it will take me \_\_\_\_ number of years to graduate from UAA

* 3
* 4
* 5
* 6
* 7
* 8+

My age is

* less than 18 years
* 18-19 years
* 20-21 years
* 22-23 years
* 24-25 years
* 26-30 years
* 31-40
* 40+

My cumulative GPA is

* 3.8 to 4.0
* 3.6 to 3.79
* 3.4 to 3.59
* 3.2 to 3.39
* 3.0 to 3.19
* 2.8 to 2.99
* 2.6 to 2.79
* 2.4 to 2.59
* 2.2 to 2.39
* 2.0 to 2.19
* 1.8 to 1.99
* 1.6 to 1.79
* 1.4 to 1.59
* less than 1.4

My current educational goal is

* Associate degree
* Bachelor's degree
* Master's degree
* Doctorate or professional degree
* Certification (initial or renewal)
* Self-improvement/pleasure
* Job-related training
* Other

My current employment is

* Full time off campus
* Part time off campus
* Part time on campus
* Not employed

My current residence is

* Residence hall
* Own house
* Rent room or apartment off campus
* Parent's home
* Other

My residence classification is

* In-state
* Out-of-state
* International (not U.S. citizen)

I am finished with the survey.

* yes

If yes Is Selected, Then Skip To End of Survey

What is your current major?

When did you decide to not major in engineering?

* During my first year at UAA
* After my first year at UAA
* After my second year at UAA
* After my third year at UAA

Please indicate how important  the following reasons were to you and your decision to switch out of engineering.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at all Important | Not very important | Neutral | Very Important | Extremely Important |
| Did not enjoy engineering course topics |  |  |  |  |  |
| GPA too low (kept failing classes) |  |  |  |  |  |
| Did not think I would enjoy future career options |  |  |  |  |  |
| Did not feel a part of engineering academic community at UAA |  |  |  |  |  |
| Engineering curriculum was too difficult |  |  |  |  |  |
| Had bad experiences with engineering professors |  |  |  |  |  |
| Did not feel engineering was "for me" |  |  |  |  |  |
| Math and science curriculum was too difficult. |  |  |  |  |  |

Do you have any additional reasons for not majoring in engineering at UAA?

What, if anything, would have changed your mind about not majoring in engineering?

I am a

* part time student.
* full time student.

I am

* Male
* Female

My major is

* Civil Engineering
* Electrical Engineering
* Computer Science or Computer Systems Engineering
* Geomatics
* Mechanical Engineering
* Undecided
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

It has taken me \_\_\_\_\_ number of years to graduate from UAA with an engineering degree.

* 1
* 2
* 3
* 4
* 5+

My cumulative GPA is

* 3.8 to 4.0
* 3.6 to 3.79
* 3.4 to 3.59
* 3.2 to 3.39
* 3.0 to 3.19
* 2.8 to 2.99
* 2.6 to 2.79
* 2.4 to 2.59
* 2.2 to 2.39
* 2.0 to 2.19
* 1.8 to 1.99
* 1.6 to 1.79
* 1.4 to 1.59
* less than 1.4

My age is

* less than 18 years
* 18-19 years
* 20-21 years
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* 40+

My current educational goal is

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