

# Helping Undecided Students Select a Major

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#### Abstract

The Career Development Center's (CDC) Major Section is designed to give students a brief overview of majors they are interested in. It's original state was lacking ease of understanding, aesthetic design, and useful information. Our project redesigns the site to promote these factors.

### Problem

80% of college students are undecided<sup>(1)</sup>. They would benefit from having better information about majors at WPI.

### Solution

Redesign the CDC website with several goals in mind:

Simple to understand

Easy access to a large quantity of useful information

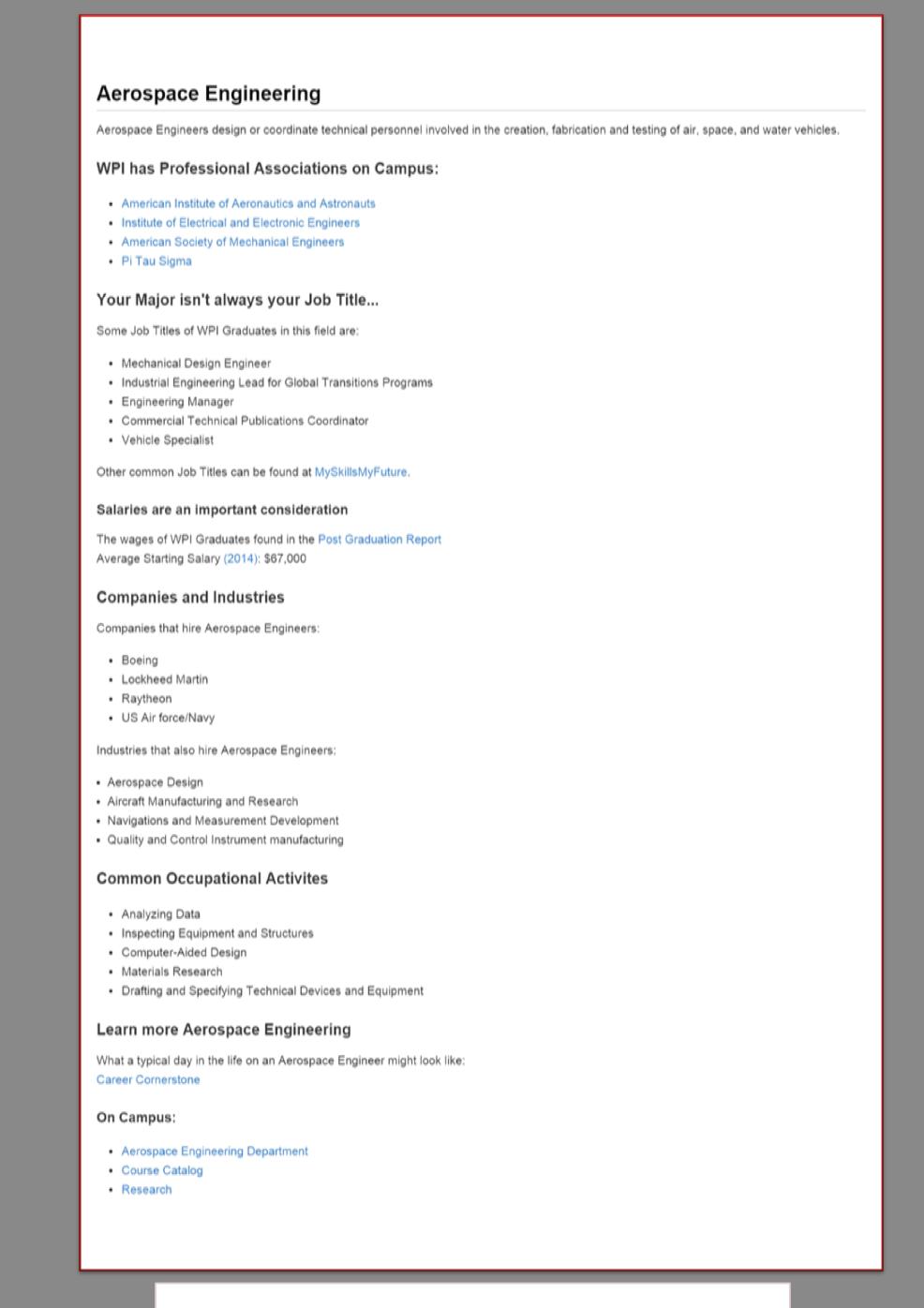
Successfully educate students on a specific major

# Before

#### **Aerospace Engineering** Aerospace Engineering stems into two subdisciplines: Aeronautical and Astronautical Engineering. The designing, testing, and supervision of manufacturing aircrafts, spacecrafts, and missiles is the work of an Aerospace Engineer. New technologies are created for various usages, such as: aviation, defense systems, space exploration, structural design, guidance, navigation and control, instrumentation and communication, along with production methods. Some of the aerospace products that an Aerospace Engineer works on are: commercial aircrafts, military fighter jets, helicopters, spacecraft, along with rockets or missiles. Aerospace Engineers are experts in thermodynamics, propulsion, acoustics, or guidance systems. They typically work in the aerospace lower air resistance and fuel efficiency. SAMPLE OCCUPATIONS: Aerospace Engineer Aeronatucial Engineer Design Engineer Aerospace Technologist Mathematical Software Programmer Flight Test Engineer (Flight Systems Test Engineer) Systems Engineer Aerospace Stress Engineer **Avionics Engineer** Structures Engineer Test Engineer SKILLS REQUIRED Analytical or scientific software Computer aided design CAD software and CAM software Critical thinking Complex problem solving Operations analysis Speaking Reading comprehension Mathematics Science Monitoring Writing PROFESSIONAL ORGANIZATIONS: <u>American Institute of Aeronautics and Astronautics</u> Aerospace and Electronics Systems Society of IEEE Aerospace Industries Association **American Astronautical Society** Society of Flight Test Engineers

- Information is too specific, and may not be relevant to all students.
- Doesn't list any further reading resources.
- No Flow, entire page is made of unrelated lists.

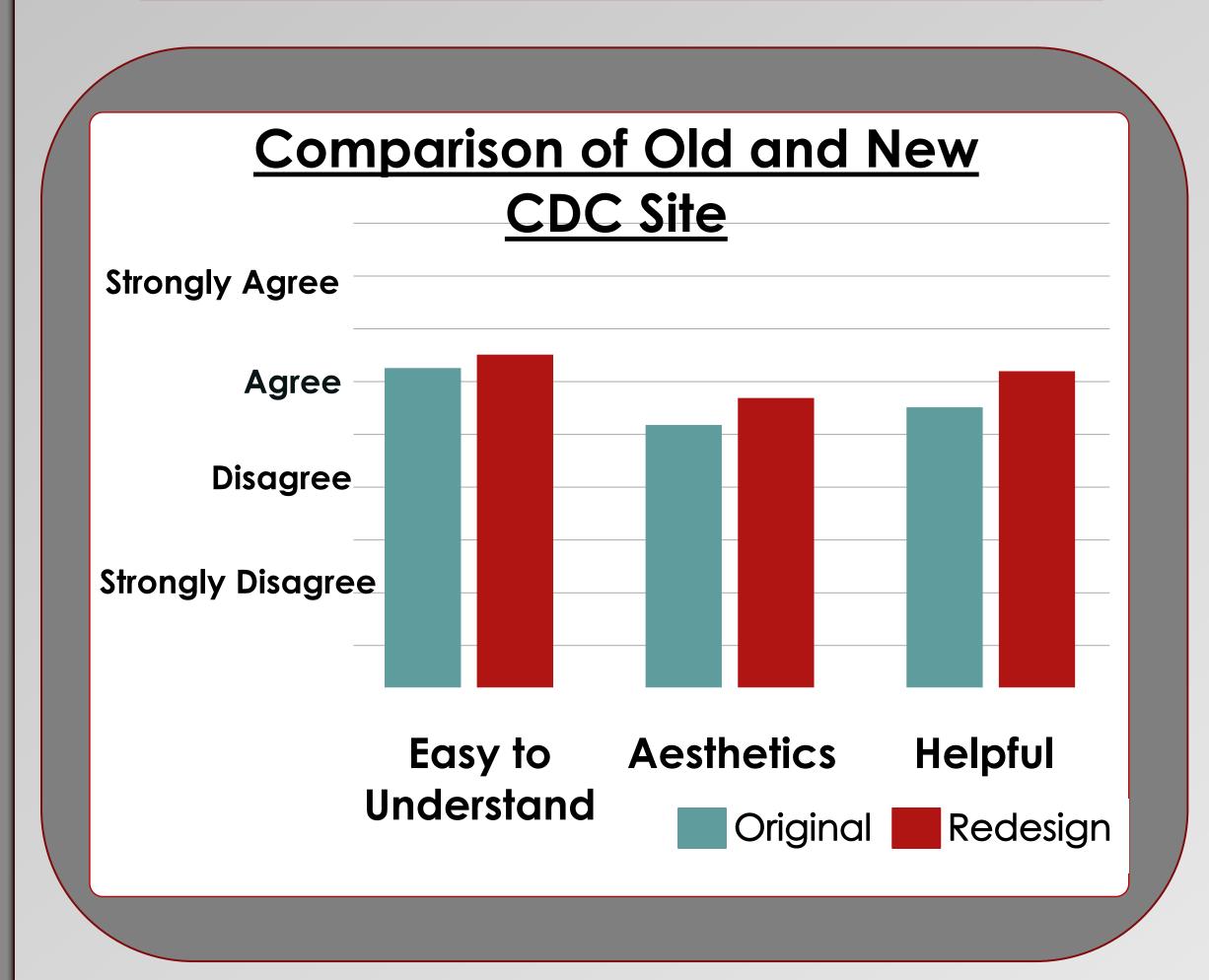
## After



- Information is laid out by relevance to students.
- Points to resources that expand on specific sections students want to know more about.
- Flow is conversational, progression is natural and easy to understand.

## Benefits

- •Students can learn the basic background of a major easily.
- •Students can make informed decisions about what to major in.



## Conclusion

Results show that students respond well to the new layout. Smaller categories eased comprehension of information. Some students responded that the page text was not formal enough. The updated content is live on the CDC website.

View Original

View Redesign

Survey

References

(1) Haynes, G., & McCrone, T. (2012, October 1). Young people's decision-making: The importance of high quality school-based careers education, information, advice and guidance. Taylor and Francis online. Retrieved November 5,2014rst,

(2) Hurst, J., & Good, L. (2009). Generation Y and career choice the impact of retail career perceptions, expectations and entitlement perceptions. Career Development International, 14(6-7), 570-593. doi:10.1108/13620430910997303