Comments from Last Year’s Students:

This class exceeded expectations. When I registered for classes for the fall semester of 2007 I had a choice between ECEN 1400 and any other projects course. From what I heard from fellow students, ECEN 1400 revolved completely around building a clock, which did not sound too interesting to me. Fortunately for me a friend of mine introduced me to Space Grant and I was able to talk to Brian regarding classes to take. He advised me that another option for projects would be to take Gateway to Space. Even though I am an Electrical and Computer major I took the class anyway. In the end I am glad I took this course. I learned how to work better teams, and what it takes to be a leader through observations. Above all else, I am now able to put in my resume that I had sent a BalloonSat to 100,000 feet with my team, rather than build a simple clock.

Yes my expectations for this class were met, however I felt that it would have been nice to have talked more about our projects in class, and learned more about the components of the BalloonSat.

This class was a worthwhile experience. It was a challenge and a half, but it was good to have a goal to work towards, as opposed to doing problem sets out of a text book. Getting to work on a team like this as a freshman was great; it helped make some good friends out of people I may never have even met before. The guest lectures were for the most part very informative and interesting and reading Rocket Boys was definitely a good assignment. The low homework level (yet high time consumption) gave me what seems to be a good idea of how this type of job will really work. Now I just have to hope I can get into aerospace engineering from open engineering, this was a great challenge and I can’t think of much else that I would enjoy doing for a career. Some of the expectations seemed a bit too high at times, such as programming a BASIC stamp when almost none of us have ever done programming as freshmen, but some high expectations are good, so long as they aren’t too ridiculous.

I suppose that in a sense my expectations were met, though I was not totally satisfied with the whole of the class. I greatly appreciated what I got out of the class, for example it made me adjust to the college style of workload more rapidly than if I was on my own. The project was really demanding and time consuming. Though I do not think that it should be a 3-credit class. Realistically it was treated like a 5 credit hour class with all of the time and effort we had to put in to be successful. I wish that there was more time to work on the project, if it were a whole year with more work than it would have been a lot less stressful and probably more projects would have been successful. But where as it was only one semester groups struggled and felt a bit rushed, even those who managed time more wisely than others. What it all came down to was the time portion. I feel that too much time was spent on this class where it should have been more evenly distributed with other courses such as chem. and calc. Though I could appreciate the
individualistic aspect of the project, I wish that you would have ‘held our hand’ for portions of the project, such as the revisions and other reports.

My expectations for this class were met. I expected to learn A LOT and gain more technical skills and I was able to accomplish both of these goals.

My expectations were met for this class in terms that I learned roughly what I thought I would. Our team built a semi-functioning satellite, and I gained a lot of valuable engineering experience, working with a team, writing proposals, writing reports, and giving presentations. In that respect I learned a lot of valuable information that will pertain to engineering later in my life. But I will admit I didn’t enjoy the class as much as I thought that I would. I found writing proposals, building our satellite as a chore, not as an exciting pursuit. Maybe this is reflective of engineering in general, and that I won’t enjoy it as I think I will, or maybe it was just the class isn’t that enjoyable. But I think it is what you make it, and I made it into a dull project that I am glad to have finished.

This class met all of my expectations and then some. In the beginning of the class I was not sure how my group and I could possibly build a BalloonSat. As the class went on however I saw how by specializing in one area and dividing the work load we actually could pull it off. I also believe that the class was much more valuable because our BalloonSat did not work. All of the post-launch analysis and testing helped me understand even more about our project. Even though we did get the desired outcome this class was a crucial part to my development as an aerospace engineer.

My expectations were fulfilled completely. We built satellites, learned how to solder, and learned about space. I couldn’t have asked for more.

I honestly came into this course with no expectations except that it would be a lecture style class on methods of space travel. So in that sense, no, my expectations were severally not met, but in a great way! Once I found out exactly the plan for the semester, I was thrilled. I love designing working mechanisms and my expectations for the way the class operated and panned out were met well. I was disappointed by the results my team and I received but also enjoyed learning from our failures. I believe that I learned a lot from this course, especially how to deal with working in a team. Overall, I am very happy that I took this class.

My expectations for this class were that I gain valuable experience reflecting that of the aerospace industry, that I interact in a team environment and that I experience the mechanism of a real project in an undergraduate setting. All of these expectations were fulfilled generously. The presentations that made for most of the in-class time were
valuable insights to industry and were most stirring due to the simultaneous development of our own craft. This balance of actual work and learning truly led to understanding of how spacecraft development proceeds. The other important factor is the importance of teamwork to success. The success of the spacecraft and a generous portion of the grade were based on the successful interaction of the team and on little direct involvement of the professor. I believe this condition necessitates and facilitates the realization that the team must support itself and work together. Not only can I say my team was great, but the class advocated team cohesion and my experience in the team environment was valuable as I had initially expected.

I began this semester ready to build a satellite and learn about space. I ended up building a satellite but I learned about a different aspect of space than what I was expecting. I was ready to learn about orbital mechanics, extreme space conditions, rocket design, and other such topics. This being more of a projects class, I was stupid to have expected this. However, this does not mean that I did not like the class. I learned more about the actual procedure for sending a payload to space than ever before. I learned a lot about teamwork and how to spread out working on a project over a few months. I liked this process enough that I am now on the HASP team which will be launching a similar but larger satellite.

Overall, my expectations were met. I went into the class expecting to learn about the different sub-systems and what it would take to put something into near space. Although, I had no idea how labor intensive it was going to be. There was much more paper work and presentations then I would have guessed. I am grateful though, that I had to do the Design Documents and the presentations. I feel more prepared for the years to come. I did expect to have a little more freedom with our BalloonSat, but it is just like the real world where there is a customer and strict requirements. All in all, I am very glad that I took this class.

I did not know exactly what we were going to be doing all semester except for that we got to build a little box that did something related to aerospace. I figured it would be a lot better than the GEEN class for my situation. When I realized we were actually going to send these boxes into near space, and that we were responsible for learning the information we needed to know to build them, the value of the course increased greatly.

Yes, we accomplished all of our goals, as far as building the balloon satellite and launching it. I was pretty disappointed that we didn’t get any pictures or any other data back. Other than that I thought that the class was a really good experience that should be very important in the future. I really enjoyed the class, there were times when I couldn’t stand working on the satellite any more, but overall the journey was good.
I would say that my expectations for this class were met relatively well. The work load was much larger than I had anticipated. The class was also much funnier than I expected, and a majority of the content of the course was left up to the student lead teams to procure as I had expected. I was also very surprised at the amount of assignments related to career preparation that were due for this class.

My expectations, which included acquiring knowledge on spacecraft design, the space industry, and how to create a successful near space satellite, for the class overall were met. The outside speakers, in general, were extremely knowledgeable about their subject, and the class lectures were fascinating; my favorite class lecture was the undoubtedly the orbits lecture since it answered many of my questions about different kinds of orbiting satellites ranging from radio-transmitting to defense. Furthermore, I felt that I learned a great deal about how to build a satellite, a thought that was initially prompted by my teams’ successful mission and later solidified by our scientific process of remedying our problems. From this, I learned how crucial testing and re-testing is to prevent failure and that saying “good enough” really isn’t good enough, as can be displayed by the isolated failure of our calibration lamp. Also, I was taught much about programming and electricity, my weaknesses, through my team members and as a result, learned how to work and communicate effectively in a team. On the same note, my public speaking skills have improved, which is partially due to Gateway to Space, as can be seen from my strikingly different performances on the CDR and the final presentation. The need for improvement is still present, but I have clearly developed quite a bit. Thus, I am clearly pleased with the class in general due to the fact that my expectations were met and occasionally succeeded.

My expectations for this class were partially met. I had expected to learn a lot about working in teams and in this aspect my expectations were exceeded, because I learned an incredible amount about working in a team for a project such as this. I also expected to get data back from the launch and was disappointed when none of our cameras functioned. Overall, though, the class exceeded my expectations and I am glad I took this class. I learned a lot, not just about building a satellite, but also about the aerospace industry. The class has also helped me to clarify what I want to do with a degree in Aerospace engineering.

They were met. I expected to be teamed up with random people and construct a BalloonSAT while learning how to solder and build and operate basic circuits. This class exceeded my expectations by teaching more about rocket history and such while we built our BalloonSATs. I thought this class was all about the BalloonSAT and launch rather than the history. That was pretty cool.

The following were my expectations for this class. First, I expected that we would break into teams and send small satellites on balloons to near space. Second, I expected
that this project would involve little creativity on the parts of the students due to the heavy monitoring and regulation by the professor. My expectations were completely fulfilled on both accounts, but I did not expect outrageous presentations graded not on knowledge of science and engineering, but mostly on presentation skills and robotic uniformity. As long as the high-on-power professor could control as much as he possibly could about our lives he would be happy. For us, that meant presentations based on rubrics and teams that completed their missions successfully receiving lower grades on final reports and presentations than teams that failed because of lack of foresight. You could argue that these teams "learned" more because of their mistakes, which is why they merit higher scores. I am proud that I learned about the aerospace industry, differential operational amplifiers and transistors, buffers, structures, and other interesting things. I am not proud of the grade that I received because my satellite did not fail. At first I enjoyed the class. That is the truth. Learning about aerospace and listening to speakers talk about different aspects of the industry was interesting, and a highlight compared to learning calculus and electronics. However, as the year progressed, the class became more oriented towards presentations, learning about what we had to for our satellites and what we were not allowed to do (the vast majority of the class). Pretty soon, going to morning calculus lecture was more exciting, but if we did not come to Gateway to Space, we would miss some tiny piece of information crucial to the professor allowing us to fly on the balloon. Now that it is the end of the semester, I can safely rank my classes in the following order: Intro to Digital/Analog Electronics, Intro to Computer Science, Calculus 3, Gateway to Space, without any doubt in my mind. This class has quite a bit to learn from the other freshman projects classes. There are a few suggestions below. First, grades should not be based strictly on team and individual performance. Personally, it just looks to me like the Koehler python just wanted to strengthen its choke-hold on the students even more. It's a freshman projects class, regardless of how you look at it, and it should be the professor that drives us to learn how to present and how to write requirements, not a series of bad grades. I am a bad presenter, and I knew that before this class. But you did nothing to help me improve my abilities. Paul Anderson was the one who taught me a few tricks while I got used to presenting. It seems like a professor is the kind of person who should be teaching such things. Second, why in the name of the heavens above did you force us to read Rocket Boys? I don't even understand. A six year old could read it and maybe be inspired. My tuition dollars are supposed to be going to my education, I'm done being inspired. Thirdly, why does this class, and for that matter, the entire aerospace department, be so competitive? I feel like everyone is trying to get every kind of competitive edge on other students. When I worked on my clock in the Circuits lab, everyone was helping each other out, giving each other parts and helping debug faulty logic circuits. In gateway to space you could see everyone cheer inside when a team presented their failed project because it would make their miniscule success look that much better. My final suggestion, other than eliminating the class from the university's course list, is this. Calm down. I understand that learning to write proposals and requirements is important, and I completely agree that these things should be taught as early as possible. However, aspects of the class such as the launch readiness review were a little too harsh. I knew of two groups that will remain unnamed that failed their first cold test and knowingly altered the data from their second cold test to make themselves look more ready. My group's satellite was yet to pass a cold test by the time
we launched. Guess which satellite was the only one that completed its mission. You can call it luck, or maybe it's just that my group and I thought ahead and placed current-limiting resistors to stop our HOBO from shorting, or that we used 12V batteries that obviously last longer than 9V batteries. I do not care if you reconsider grades or not. This is no longer about grades; it's about what I think about the class. I am NOT complaining about grades, and I want to make that completely clear. From my other freshman projects class, I get to go home with a working clock that I personally designed and built with guidance from my professor. From Gateway to Space, I get a foam core box full of bad memories and a skid mark on my otherwise flawless transcript. It is very likely that this class is the primary reason for my departure from aerospace engineering. The only thing that could hold me in this department is my interest in space and space exploration, which has plunged dramatically. Fortunately for me, I hear that more electrical engineers are hired for aerospace positions than aerospace engineers. Goodbye professor. I really do hope that you remember what I have said, because I am one of a few students who could compare this class to a similar one and realize the shockingly enormous disparity.

>>>Update to above response from August 2008 --- Thank you for understanding my frustration with the class. I am not at all suggesting that it was your fault that I did not enjoy the class. On the contrary, I personally think that the aerospace program at the school is flawed; that it does not allow creativity or choice in its courses. The response that I sent you may have come off as angry at you, and I apologize for that. I was mostly disappointed that Gateway to Space, the class that is supposed to be an introduction into your next four years, was not all I thought it would be. I would also like to apologize for at all suggesting that your grading is unfair. While I did expect a lower grade, I do not think that the remainder of my response would have changed much if I had written it after receiving my report card. A member of my group was very upset because we were receiving low presentation grades even though we felt like we did just as well as the other groups. I also felt like you personally disliked me or my group, but it is likely that I was being paranoid. Once again, I apologize if you took the comments personally at all. In my disappointment and frustration I may have said things that I did not mean about you and your teaching that are false. <<<

My expectations for this class were met. I was told that I would build a Satellite, launch it on a balloon, work hard, and learn a lot along the way. My expectations were formed partly by the description given on the first day of class and partly by the statements from the previous semester's class. I did everything and learned everything that I expected to in this course and I would recommend it to any incoming aerospace student.

In the beginning of the semester when we first had to write down what our expectations were, I said that I didn't really have any expectations. Of course it is impossible to not have any expectations; I guess I just didn't really know how to word them. I still don't know exactly what those expectations of mine were, but I got a lot out of this class. I am used to doing organized experiments, following a procedure that has been done a billion times before, and getting the same results as everyone else. This
project allowed me to do meaningful science for the first time, gave me hands on experience, and gave me a taste of what it will be like to be an engineer working through a project. I believe this class will be incredibly useful for my future. I am so glad I was able to have this experience so early on in my college career. I feel more prepared now, for college and eventually my career. So even though I can't really describe what I was expecting to get from this class, what I actually got out of it was valuable enough to say that Gateway to Space surpassed those expectations.

I had several expectations for this class when I entered in August. First was that I would be able to get experience working within a team. That expectation was certainly met. Next I expected that I would learn about the design process. That was met as well. My expectation that was not met was that we would build something that would function. Unfortunately our project did not perform as expected. I wish that we had been assigned teams earlier and been able to order our parts earlier. I think that would have been able to solve at least some of our issues.

I didn’t really have expectations for this class. Claire told me to take it and I did. I originally wanted to take Engineering Projects because it wasn’t specific so I had a chance to work any idea. But I thought this class was cool. At the end I could tell I was more of a documents person because I spent a lot of time writing and revising them. I don’t think I got a whole lot of personal (like philosophical type personal) satisfaction out of the course so I’m waiting to see some of that in maybe the aero courses but probably the senior project. I’m not particularly hopeful just based on what I’m looking for in my job but I’m the person who wants to do a lot of different things in life. This class helped tell me I won’t like doing this the rest of my life but that doing it to satisfy my parents won’t be overwhelmingly painful either.

I expected to have more guidance in this class. When you reassured us that we didn’t have to have any experience to do this project, I was relieved. However, honestly, if I didn’t have team members who had experience, I do not know how I would have completed this project. I do understand though that we are in college now and we cannot have people holding our hands.

I think that for the most part my expectations for this class were met, and even exceeded. After reviewing for the final, I realized that I learned a lot more than I thought I did at first. Building and launching a satellite was definitely the best part of the class (as frustrating as it was sometimes), and it was extremely disappointing to not get any data back. I think not getting any data back turned out to be a good thing because it caused our group to have to analyze every part of the satellite, and we learned a lot more about it that way than we would have otherwise. Overall, the class was a really great experience.
My expectations, as far as acquiring a general knowledge Aerospace were far exceeded. At first, I thought we would only work on making a satellite. I did not think we would learn about the different subsystems, orbits or launch vehicles. However, when I first heard of this class I thought we would have more liberty on the design of the satellite. I would have preferred to have spent more time on designing a more original satellite design an less time writing reports. The reports we wrote were useful as far as learning what the different steps that must be completed in the Aerospace industry. However, for such an accelerated project I think it would have been more productive to write less, better quality, reports and spend more time on getting our satellites to work properly.

I got a lot more out of this class then I expected to. When I enrolled I knew we were going to build and launch a satellite, but I thought it was going to be one satellite for the whole class. When I heard that groups of 6 or 7 build a satellite it sounded really daunting, but also really cool because that would give me a lot more experience building a satellite. This class showed me how much I am really able to accomplish.

This class did meet some my expectations. I expected the class to give me insight into the world of engineering and what it is like to solve similar problems that an engineer would face on a project. I didn’t expect the amount of work that it would take to write reports or proposals, but I am both very glad and very grateful to have had such an experience. Especially with the experience of how to generate requirements flown down, something I was shocked to hear that normally engineers don’t get exposure to until their much later years. I have to say that I expected this class to be a bit boring, but thankfully my expectations were not met there. The classes and the team experiences outside of class were all very enjoyable, and it all made the work seem a little less strenuous. I also expected the course to be one of the easiest courses that I had this semester. But it, in fact, was the course that I spent the most time doing related work outside of class. I also expected it to be a class where I only remembered it when I was in class. However, I feel that the experienced from the class and what I learned from it will stay with me for years, and perhaps decades, to come.

I didn’t really have expectations past learning how to get something out of the atmosphere. So yes my expectations were met. (low expectations allow for greater success)

Yes, my expectations were met for this class – it was almost exactly what I heard it would be. I was expecting to build the satellite, and to also learn about different aspects of the Aerospace industry, though I didn’t exactly know how it would be done. I’m very satisfied with the team aspect of it – in addition to learning a lot about our satellite; I had a great time working with my team on the Sat. It would have been nice though to have the presentations available sooner to look over, than the last
class...though that would probably be a lot more time consuming, so it might not work that way.

Yes, this class covered everything I expected it to. Both my goals of building a working balloon satellite and leaning more about space travel and exploration were achieved.

My expectations for this class were met I believe. I was shown a glimpse into the aerospace industry and gained experience by working in a team.

My expectations for this class were exceeded. I knew that we would be building BalloonSat’s but did not comprehend the amount of work that went into that process. I didn’t anticipate that I would have to work with a team of people so different from myself, and didn’t realize I would learn so much about how to work well even with people you don’t necessarily get along with. This class definitely gave me a clearer sense of what it would be like to be an engineer working in industry than I anticipated. I also didn’t realize how much I would enjoy building a satellite. I especially didn’t anticipate how much I would learn about electronics and astronomy, since I’d assumed most of the work involving our satellite would concern more structurally aspects of aerospace engineering. The lectures were as interesting as I expected. Most were good. The thing I didn’t like about this class was the pressure to apply the knowledge and skill developed during this class to industry immediately. I don’t want to be an industry aerospace engineer, I want to be an science or engineering professor, and I was sometimes annoyed by what I perceived as an assumption that all the students class eventually want to work for NASA, Lockheed Martin, etc.

To be honest, when I signed up for this class, I had no idea what to expect. I mean, the title of the course seemed pretty self explanatory, so I figured I was going to be learning about planets, stars, and space projects for the most part. When I found out that the majority of the class was to be about making one of our satellites to send into space, I was a little surprised. I figured that it would be some campy little build it yourself satellite that would take some novelty pictures of space. After starting and working through the project, I must say that my first impressions were completely shattered. I worked and learned a lot about myself and about space systems and structures. It gave a really impression on how an engineer has to work to get everything together. It was like a microchausm for what I would have to face if I were to be an aerospace engineer in the future. So yes, there were some times when I hated this class. I hated how much of my life was sucked away going to meetings and hacking away through hang-ups and problems. It was day in and day out work on the satellite. Yet going to the meetings and figuring out the problems really made me feel accomplished when I completed them. It was truly such a thrill to see the completed work of the semester. Having known the amount of work and planning that went into our little black box, it was with pride that I looked up at the Balloonsat flying through the air. I really think this class met and
exceeded my expectations, and I am glad that I had a chance to really work as an aerospace engineer.

Yes, my expectations for this class were met. I mostly expected to have some fun while working on this project that later I could be proud of. I was surprised a little by the work load that this class required. However I still think that it was definitely worth it. Now I feel like I have this huge resume booster.

Yes my expectations were meant for the class, I believe I got a really good idea of what an engineer does and what it takes to be a successful one. I also got a good look in what is involved with developing satellites and what they do.

Yes my expectations were met. I was expecting to be thrown into a project that I knew nothing about and that was exactly what happened. I felt completely overwhelmed at the beginning but I started to figure things out and by the end I learned what dark current was, how CCD cameras work, and how circuits work. The best part of this class was the opportunity to work in a team. I have never worked in a team for so long on a project like this before. I learned how to be part of a team and how to make teamwork effectively together. This class went far above my expectations and taught me skills I am going to need to survive the next three and a half years of college and the rest of my career. This is the most unique and best class I have ever taken.

My expectations were met in the fact that we actually did launch a satellite. However, my expectations from you were not met. I did not feel like you taught us anything or guided us any sort of a direction. Everything that I did it was because I felt we had to do it because you were very disorganized. All I feel like you should do is guide groups in a general direction and ACTUALLY teach the class. It was very obvious you only cared about two teams in the class and the rest of us were left in the dust. I was very disappointed in this class because at the beginning of the year I was most excited about it.

Yes I felt as if I got good hands on experience which I had not received from the previous school that I attended. I felt like it was challenging and gave me a good idea of what to expect from aerospace courses here at CU. Although difficult and frustrating at times, I felt as if I had actually accomplished something in this class.

This class not only equaled my expectations but it exceeded them. At the beginning of the class I truly had no idea what to expect, however, as the class went on, due to its blistering pace, I very quickly realized that there was no way I could have ever expected all the different aspects of it. To begin with at the beginning of the class I had
no idea that I would even be able to do half of the skills I learned during the class, for instance soldering circuit boards together or building a photo diode telescope or especially the writing of a RFP, DD etc. Overall, the class as a whole really taught me a lot and I feel like I have truly grown a lot by going through it and learned so much about teamwork. I would have to summarize my experience as being one of true and overall learning.

Only part of my expectations were met; I expected to build and launch a satellite, and I did so, though not completely successfully. This class was not as fun as it was made out to be however.

My expectations of this class were completely met. When I was informed of this class I was told that we built balloonsats but I really didn’t have any idea what a balloonsat was. I thought that the project was going be building a model or a balloonsat but I didn’t actually think that we would be able to launch them to 98,000ft. When the class actually started and I found out what we were going to be doing this semester I was excited because I had never done anything like this. The project was hard because we really didn’t have any kind of help we really did do on our own. We were helped by you, Elliot young and Tim may but we built it all on our own. It was hard but the fact that my team and I were able to build something together that “worked” is so satisfying and I think that I have made great friends during this class and the experience of working together is an invaluable experience and I wish that I could take this class again.

My expectations overall was met in this class, it was a new experience that I definitely enjoyed. The only expectation that it did not meet was what I thought of grading in this class. I thought this class should have been based more on the effort that you put into the project, compared to the assignments such as the design review documents. We had no clue on how to write these documents in the beginning and the guidelines on the documents were not helpful. Therefore that hurt a good chunk of my grade.

My expectations of this class were met and exceeded. I really enjoyed the atmosphere and the rigorousness of it. My team worked really well together and we all did a lot of work. I did not expect to put so much time into a freshman class, but I am very grateful for the opportunity. I plan to use all of the skills I learned in this class to give my students a similar experience to reignite the enthusiasm for space.

My expectations for this class were met, in a different way than expected, but still met. As stressful and frustrating as building our balloonsat was I would totally do it all over again – seriously something so amazing that I will never forget. Some of the presentations were boring, but while I was studying for our final exam I realized that we had covered a whole lot – more than I ever thought that we had. I think a big reason some of the information did not stick is we weren’t applying it to anything, it was sort of just hey this is cool. Not saying that you needed to give quizzes or anything but it was a lot to
absorb. The more I think about it the more I don’t know what my expectations were, it’s hard to say what exactly I wanted out of the class, all I know is that I hated and loved this class.

Yes, my expectations for this class were met. I had no idea how we would learn how to put together a working satellite in about three months. The class took a lot of work, but it was well worth it driving 100 miles an hour chasing something that you helped create that just came out of space. As it turned out, the satellite was actually simpler than I had expected, but that was a good thing considering how much work it still entailed.

Honestly, coming into the class I had no idea what we were going to do. I remember Claire mentioning that if I was in any way interested in space, then “Gateway to Space” was the way to go instead of Engineering Projects. I chose this class under the impression that we would be just learning about rockets, space, and every other related topic. However, I enjoyed the class a lot more doing what we did instead of just solid lectures. I feel like I really benefited from this as it gave me an idea of what it was like to be an engineer and do something really exciting. The only disappointment I had was that my team was unable to get any cool pictures at altitude. Other than that, I enjoyed this class and would highly recommend it to anyone else I knew who was interested in pursuing an aerospace major, or any other engineering major for that matter, at CU.