SURVEY HIGHLIGHTS:

“Harvard DBG AIAD was literally life changing and I wish more cadets could do it. The bioengineering track is good too, but those classes do not have labs to apply the material.”

“I thoroughly enjoyed research and was fortunate and grateful to be able to have my name on a published paper before graduating, that was a goal of mine. “

“I really enjoyed the family atmosphere of the Chemical Engineering major and also all of the faculty. I enjoyed my AIAD to the Pentagon last summer as well and learned a lot while I was there.”

“The faculty are incredibly knowledgeable and willing to help at any time. “

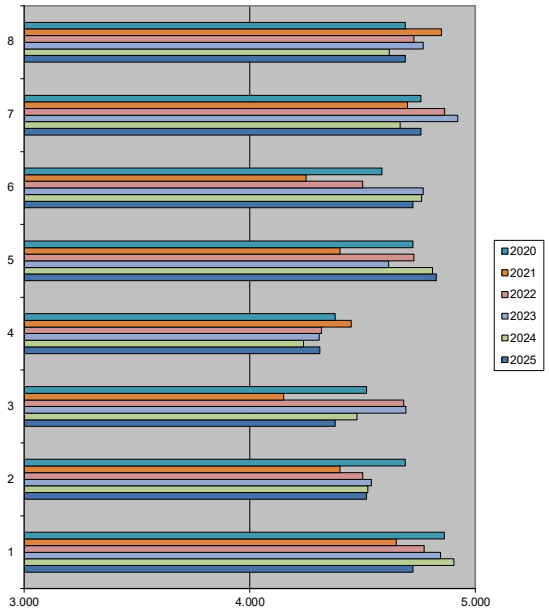
“I enjoyed taking process controls. The instructor was engaging and taught the course in a manner that was easy to understand. I also liked the content - the concept of controllers interests me. They can be found in many applications in our daily lives. “

**CHEMICAL ENGINEERING - PROGRAM EXIT SURVEY RESULTS** **AY2025**

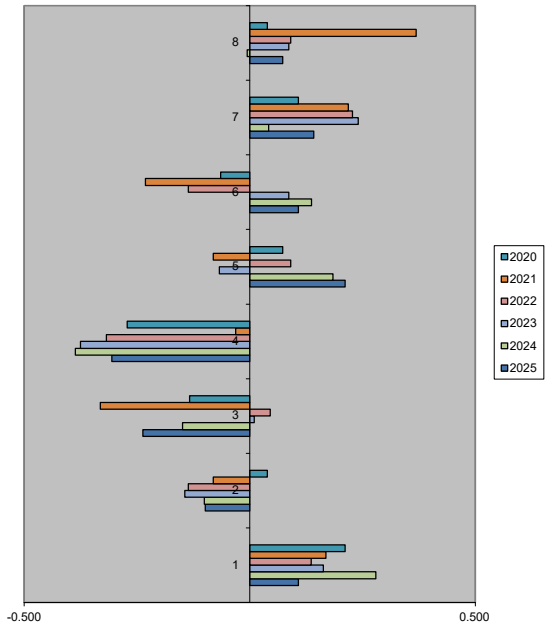
PART 1. STUDENT OUTCOMES (Numerical Results)

| | AY25-2 | mean | st. dev. | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|
| 1 | The program has prepared me to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics. | 4.724 | 0.455 | 14 | 7 | 0 | 0 | 0 |
| 2 | The program has prepared me to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | 4.517 | 0.509 | 11 | 10 | 0 | 0 | 0 |
| 3 | The program has prepared me to communicate effectively with a range of audiences. | 4.379 | 0.622 | 7 | 12 | 2 | 0 | 0 |
| 4 | The program has prepared me to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | 4.310 | 0.604 | 8 | 11 | 2 | 0 | 0 |
| 5 | The program has prepared me to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | 4.828 | 0.384 | 17 | 4 | 0 | 0 | 0 |
| 6 | The program has prepared me to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | 4.724 | 0.455 | 16 | 5 | 0 | 0 | 0 |
| 7 | The program has prepared me to acquire and apply new knowledge as needed, using appropriate learning strategies. | 4.759 | 0.435 | 15 | 6 | 0 | 0 | 0 |
| 8 | The program has prepared me to understand the chemical engineering curriculum, including chemistry, material & energy balances, safety & environmental factors, thermodynamics of physical & chemical equilibria, heat, mass, & momentum transfer, chemical reaction engineering, continuous & staged separation processes, process dynamics & control, modern experimental & computing techniques, and process design. | 4.690 | 0.471 | 14 | 7 | 0 | 0 | 0 |
| | | | | | | | | |
| | Suvey Mean: | 4.616 | 0.492 | | | | | |

PART 1. STUDENT OUTCOMES (Year-to-Year Trending)




Exit Survey, Raw Data




Exit Survey, Normalized

PART 2. OPEN QUESTIONS

| **Q1: What was your favorite course in the chemical engineering program?** | |
|---|---|
| Astabie | CH450 |
| Cargle | My favorite course was Heat and Mass Transfer. |
| Chen | My favorite course was heat and mass. Learned a lot and was challenged thoroughly |
| Copeland | CH459 |
| Curran | CH402 |
| Derivaux | Either MC300 or CH365 |
| Field | CH459 |
| Garby | CH467 |
| Guevara-Cragwell | Bioengineering Modeling and Analysis |
| Hall | My favorite course was probably CH364 (Chemical reactions engineering) because I think I learned/took away the most. |
| Jachim | I liked reaction engineering the best. |
| Jenkins | CH364, we learned a lot of things that both built on CH362 and that built for other courses |
| Kwi | Chemical Engineering Lab |
| Lareau | I enjoyed the Separations class the best because of the hands-on learning and the instructor. |
| Longstaff | Chemical Engineering Laboratory CH459 |
| Nash | I enjoyed taking process controls. The instructor was engaging and taught the course in a manner that was easy to understand. I also liked the content - the concept of controllers interests me. They can be found in many applications in our daily lives. |
| Nikcevic | CH363 |
| Ohara | CH367, Controls was a great course and it is where I felt that a lot of my understanding of chemical engineering finally started to click. |
| Porcaro | Separations or Reactions. |
| Presot | CH485 or CH362 |
| Ramirez | organic chemistry |
| Ray | My favorite course was Reaction Engineering. I felt like it was one of my more challenging classes but I also felt like I learned the most in that class. |
| Sanders | Reaction Engineering |
| Squier | CH367 - INTRO / AUTOMATIC PROC CONTROL |
| Stewart | CH450 |

| | |
|---|---|
| Verkleeren | CH363 |
| Wald | CH459 Chemical Engineering Laboratory |
| Wallace | CH459 with application in lab and understanding hands on course work with the addition of online formatting with ChemCAD and data analysis. |
| Xiao | CH459 |

**Q2: What was your least favorite course in the program? What would you change about it?**

| | |
|---|---|
| Astabie | CH459 - I like the structure of the class, but I would have more clearly defined learning objectives. |
| Cargle | My least favorite course was Fluid Dynamics. I would have less derivations and more problem solving techniques. |
| Chen | My least favorite course was MC300. Basic physics course that was not engaging. |
| Copeland | Fluid Mechanics. More problem solving, less theory. Actually conduct the labs. |
| Curran | CH459. I would include more textbook instruction for each of the labs as it was difficult at times to ascertain exactly what the proper or "expected" way of solving a problem was. |
| Derivaux | CH383- I struggled in this course and would have liked to STAP it to allow me more time to focus on the course material. |
| Field | CH383; I cannot think of things to change because it was taught well and was a "good" course but I just really did not enjoy it |
| Garby | ME301, CH365. I feel that I did not learn much in these classes as it seemed at times, they focused too heavily on derivations that I did not need to know. Those derivations were not on any test that I have seen and have not talked about them since these courses. More time needs to be given towards applying the actual important concepts and maybe a five minute synopsis on how it was derived if it is that desperate we are told about them. |
| Guevara-Cragwell | Electrical Engineering. I'm less worried about the points and more about learning information. |
| Hall | My least favorite was separations processes because I don't feel like a lot of it stuck with me conceptually, but it is very applicable in industry. I think I could have been better set up for success in future classes if I had understood that more. Maybe that was a me problem though. |
| Jachim | My least favorite was either orgo or fluids. |
| Jenkins | Fluid Mechanics. We learned explicitly derivations and applied the math minimally. I don't think derivation is as crucial as understanding what the equations mean and how it applies in reality. |
| Kwi | Fluids. Stop using Lab periods for lecturing two whole lessons. Also, the teaching style is bad. They need to run through practice problems and show us the correct way of solving them instead of giving us irrelevant problems and making us figure it out for half of the class. |
| Lareau | My least favorite course in the program was CH364: Reaction Engineering. I was most confused in that course. I would change the pace of the course or just take some of the concepts a little bit slower and work through more problems in class that looked like what we would see on the test. |
| Longstaff | Fluid Mechanics ME362 and EE301. Change the instructors to Chem E program instructors. It would make it more applicable and easier to learn. |
| Nash | Fluid mechanics was my least favorite course in the program. I think it could have been a good class; however, my particular instructor did not teach it well. We often spent an extremely long amount of time on theory and the derivation of equations, but rarely every went over how to use the equations we derived. |

| | |
|---|---|
| Nikcevic | CH383, I would introduce more teaching instead of solely relying on cadet's comprehending the material |
| Ohara | CH364. It was just the most heavy I felt in terms of workload and my learning curve was very steep in that course, no change required. |
| Porcaro | Organic Chemistry. I would make sure that the Chemical Engineers have the ability to take it Sophomore year, either 1st or 2nd semester. I took it as a Junior & it was incredibly hard to balance with my cadet position(s) & other academic classes. |
| Presot | EE301 was atrocious, but it sounds like major changes have occurred since then. ME362 was also suboptimal. Of classes you control, I wish we covered electrochemistry at some point. i feel I am very lacking on that topic. |
| Ramirez | mass and energy balances. If I could change the course, I would change how the class was taught. All the classes just zoomed by, but I felt like nothing I learned there helped with the difficulty of the assignments or my understanding of what was going on. |
| Ray | My least favorite course was Fluid dynamics. I would prefer if that class was taught in CLS. It was handled very badly in CME. I had four different instructors and they all taught the class completely differently. They also taught it very badly. I felt like it was an important class that I just completely missed. |
| Sanders | MC300, an exceedingly easy course that was an extension of physics 1. Make it more difficult and applicable. |
| Squier | MC300 - FUND OF ENGR MECH AND DESIGN<br>It had a lot of busy work and felt unnecessary after taking Physics I. |
| Stewart | Organic Chemistry. I feel that if possible, its sections can be broken down more. It is a lot to comprehend over a short semester. |
| Verkleeren | ME362 - less of a focus on the theory (deriving formulas) and more emphasis on applying the actual equations to solve real world problems. |
| Wald | ME362 Fluid Mechanics. I just felt as a whole that the class was not at all well taught and my understanding of the concepts within it are minimal. I would recommend having the instructors really focus on the "so-what" of fluids and not straight derivations. |
| Wallace | Purely CLS - Separations was an easier course but it felt like there was more mathematical processes in the system that we did not discuss but could have. More hands on work and problem sets I think could have helped. |
| Xiao | MC300. It was extremely slow paced and felt very removed from the other courses partially due to the wide variety of cadets who take it. I would have an engineer major specific MC300 that covers more content. |

**Q3: Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)**

| | |
|---|---|
| Astabie | Faculty and cadet interactions; culture; research opportunities and mentorship |
| Cargle | The faculty was enjoyable. I felt that I was able to make good relationships with my teachers and that they had my best interests at heart. |
| Chen | Research opportunities. Faculty and student culture of ChemE. |
| Copeland | Many opportunities to interact outside of the classroom. Eddie Chen was a huge part in this. he took the lead and organized many things outside of class. Find the Eddie equivalent in each class and try and do the same. |
| Curran | I thoroughly enjoyed research and was fortunate and grateful to be able to have my name on a published paper before graduating, that was a goal of mine. |
| Derivaux | I enjoyed the closeness of my class outside of the classroom as well as the accessibility to the faculty for AI or any questions about material. I also did an AIAD through Pane which focused on materials science at the German army research center. |
| Field | I think the cadets and faculty are generally all great people and the culture is great! |
| Garby | The faculty were the reason I joined and are a big reason for me staying in the program. |
| Guevara-Cragwell | The culture of the cadets and faculty. Very close-knit group that helped me get through the program. |
| Hall | I didn't really take advantage of many opportunities, but I enjoyed the trip sections I went on, and I really appreciated the faculty for taking time to work with me and care about my progression and learning. |
| Jachim | I liked it when study sessions were sent in emails because they gave everyone a chance to use classmates as a resource. |
| Jenkins | I appreciated the culture our class had amongst each other and the instructors being so willing to help you learn the material in order to pass, not just tell you the answer to get you to pass. |
| Kwi | AIAD, Research, Faculty, and Cadets. |
| Lareau | I really enjoyed the family atmosphere of the Chemical Engineering major and also all of the faculty. I enjoyed my AIAD to the Pentagon last summer as well and learned a lot while I was there. |
| Longstaff | Harvard DBG AIAD was literally life changing and I wish more cadets could do it. The bioengineering track is good too, but those classes do not have labs to apply the material. |
| Nash | The faculty were amazing. They were always open to provide additional instruction outside of class, and it was easy to tell just how much they cared for all of us as cadets. The major itself is a friendly and close-knit group -- this environment made the difficulties of chemical engineering more manageable. |
| Nikcevic | All of the faculty are great instructors and genuinely care about our learning. They are always positive and approachable when help is needed. |
| Ohara | I really loved my AIADs with the major, going to APG and working with ARL.<br>I particularly enjoyed the faculty, every professor knew great teaching methods and were subject matter experts. |

| | |
|---|---|
| Porcaro | Research within CLS, the faculty & cadets have a really close bond that allows for a comfortable learning environment. My favorite selling point to cadets that want to join ChemE is that they will never get the close interactions or relationships with instructors or cadets in other engineering departments. |
| Presot | I enjoyed research, but it was not directly related to ChemE. |
| Ramirez | I enjoyed the AIADs however I think that more opportunities in the department should open up because most of the AIADs are just related to specific research groups in the department. I also enjoyed the research being done in the department. |
| Ray | I liked how involved the instructors were in the major. |
| Sanders | Really enjoyed AIADs, undergrad research, faculty engagement and interactions, and various clubs. |
| Squier | The faculty are incredibly knowledgeable and willing to help at any time. Research was also a great opportunity to expand learning outside the classroom. |
| Stewart | I enjoyed the AIAD opportunities in the department. I also really love the culture among the Cadets that is directly fostered by the faculty. |
| Verkleeren | Chocolate making. I wish I got more involved in the beer brewing or that it was a more prominent hobby amongst our major. I enjoyed an AIAD I went on plebe year which involved anaerobic waste digestors. I just wish I went on that AIAD after taking more of my courses. |
| Wald | Cadet interactions outside the classroom have been amazing. Some of my best memories at West Point were done amidst the company of Chemical Engineering faculty and Cadets. Overall, we had a great culture. |
| Wallace | AIADs were all extremely available and willing to adjust with the difficult cadet summer schedules. I learned a lot throughout my research since spring of freshman year, and I was able to accurately apply what I was learning in class to what I did in the lab then under the shadowing/internship during my AIAD where I continued to perfect my research process understanding. |
| Xiao | I greatly enjoyed the lab equipment that we had available. There were a lot of opportunities to be part of research groups which provided invaluable experience. Overall, the culture of the ChemE cadets was cooperation-minded and made the major much enjoyable. |

**Q4: Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army? If so, would you like us to contact you?**

| | Yes | No | Maybe | |
|---|---|---|---|---|
| Astabie | | | ✓ | 3 |
| Cargle | | | ✓ | 3 |
| Chen | ✓ | | | 1 |
| Copeland | ✓ | | | 1 |
| Curran | | | ✓ | 3 |
| Derivaux | | | ✓ | 3 |
| Field | ✓ | | | 1 |
| Garby | ✓ | | | 1 |
| Guevara-Cragwell | ✓ | | | 1 |
| Hall | | | ✓ | 3 |
| Jachim | | | ✓ | 3 |
| Jenkins | ✓ | | | 1 |
| Kwi | | | ✓ | 3 |
| Lareau | | | ✓ | 3 |
| Longstaff | ✓ | | | 1 |
| Nash | ✓ | | | 1 |
| Nikcevic | | | ✓ | 3 |
| Ohara | ✓ | | | 1 |
| Porcaro | | | ✓ | 3 |
| Presot | | | ✓ | 3 |
| Ramirez | | ✓ | | 2 |
| Ray | ✓ | | | 1 |
| Sanders | ✓ | | | 1 |
| Squier | ✓ | | | 1 |
| Stewart | | | ✓ | 3 |
| Verkleeren | | | ✓ | 3 |
| Wald | ✓ | | | 1 |
| Wallace | ✓ | | | 1 |
| Xiao | ✓ | | | 1 |
| Totals | 15 | 1 | 13 | 29 |

**Q5: Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?**

| | |
|---|---|
| Astabie | My plans are undetermined. |
| Cargle | I would like to pursue a career as a professional chemical engineer. Not sure what specific fields yet. |
| Chen | Startup energy research and device application. |
| Copeland | To early to tell if I'll leave in 5 years. But even if I do stay for 20+, I still want to pursue a Chemical Engineering job in a refinery/processing plant. (Exxon, Chevron, etc.) |
| Curran | Yes. I would like to enter the Chemical Engineering field in the energy sector, I'm not sure in what yet. Petroleum refining and extraction interest me, but so does alternative forms of fossil fuels as well as green energy and carbon sequestration technology. |
| Derivaux | Yup! We'll see in 8 years though. I would like to go to law school, but there's a slight chance I might want to pursue this through the army. I am also interested in the oil industry or working at the department of energy. If all else fails, I wouldn't mind working at Raytheon and using my ADA skills to design patriot missile systems. |
| Field | I plan on leaving the Army after my service obligation. I would like to go into some type of management hopefully at an executive level as quickly as possible. I think it would be cool to still be in a chemical engineering type company like maybe moving to Texas for an oil company. |
| Garby | I do not yet have a plan on this. |
| Guevara-Cragwell | Yes, and maybe enter a profession in the bioengineering field. |
| Hall | I plan on getting out, and I would like to do something either in bio-mechanical engineering, or carry through with a civilian intelligence job for the government. |
| Jachim | I haven't thought that far ahead. |
| Jenkins | Probably will get out after 5, I would like to work in industry in either oil/gas or food/drink production. |
| Kwi | Yes, Some time in Industry then run Business. |
| Lareau | I plan on staying in the Army for at least 8 years and then I hope to work in business within the energy sector. |
| Longstaff | No clue really. Would like to go into biotech/pharma, but we'll see how much I like doing aeromedical evacuations or working in hospitals while in the army. Not sure I want to do oil refinery because of the shift schedules and I don't want to live near one. |
| Nash | I do not plan on leaving the Army after my service obligation. If I do, I would like to get into the aviation field. |
| Nikcevic | As of right now, I plan on staying in the Army after my service obligation |

| | |
|---|---|
| Ohara | I currently do not know, but if I were to leave after my service, I would attempt to find an entry level engineer job in some company and put the problem solving and program skills I learned in this major to use. |
| Porcaro | I plan on leaving after about 5 years to focus on getting experience in Chemical Engineering in an industrial setting & start a family. |
| Presot | Not sure |
| Ramirez | Yes, I plan on leaving. I would like my profession in either chemical engineering or something service related (helping/taking care of people in a more general sense). |
| Ray | I want to leave the army after my service obligation and either work at an Oil Refinery or be a Patent Lawyer. |
| Sanders | I do, I plan to work with chemical engineering, either in oil and gas, or in something agricultural based. |
| Squier | I am not sure if I will leave since I have a 10-12 year ADSO. If I were to leave, I may pursue chemical engineering after going to graduate school or perhaps project management. |
| Stewart | As of right now I am unsure if I would leave the Army. If I was, I would look into some sort of role as a defense design engineer in the private sector. |
| Verkleeren | I'm not sure yet. I would hope to be involved in project management or being involved from a business side of industry. |
| Wald | I'm not particularly sure as of right now. I plan to stay in. However, if I were to leave for whatever reason, I would try to pursue some sort of chemical engineering/energetics line of work. |
| Wallace | I am in for 8 years with the BRADSO addition. I am interested more in remaining affiliated with the Army even prior to my service obligation. Potentially as a DOD Civilian researcher. |
| Xiao | I am not sure how long I will stay in the army. I would like to teach or work in one of the national labs. |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Nancy Astabie Today's Date: 4/30/20

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Nancy Astabie Today's Date: 4/30/20

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH450

What was your least favorite course in the program? What would you change about it?

CH459 - I like the structure of the class, but I would have more clearly defined learning objectives.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

Faculty and cadet interactions; culture; research opportunities and mentorship

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

My plans are undetermined.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Aryanna Cargle Today's Date: 22APR2025

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Dropdown List Today's Date: 22APR2025

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

My favorite course was Heat and Mass Transfer.

What was your least favorite course in the program? What would you change about it?

My least favorite course was Fluid Dynamics. I would have less derivations and more problem solving techniques.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

The faculty was enjoyable. I felt that I was able to make good relationships with my teachers and that they had my best interests at heart.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I would like to pursue a career as a professional chemical engineer. Not sure what specific fields yet.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Edward Chen

Today's Date: 4/24/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Edward Chen

Today's Date: 4/24/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

My favorite course was heat and mass. Learned a lot and was challenged thoroughly

What was your least favorite course in the program? What would you change about it?

My least favorite course was MC300. Basic physics course that was not engaging.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

Research opportunites. Faculty and student culture of ChemE.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

Startup energy research and device application.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Bret Copeland Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Bret Copeland Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

459

What was your least favorite course in the program? What would you change about it?

Fluid Mechanics. More problem solving, less theory. Actually conduct the labs.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

Many opportunities to interact outisde of the classroom. Eddie Chen was a huge part in this. he took the lead and organized many things outside of class. Find the Eddie equivalent in each class and try and do the same.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

To early to tell if I'll leave in 5 years. But even if I do stay for 20+, I still want to pursue a Chemical Engineering job in a refinery/processing plant. (Exxon, Chevron, etc.)

**AY2025 Chemical Engineering Program Exit Survey**

Name: James Curran Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: James Curran Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH402

What was your least favorite course in the program? What would you change about it?

CH459. I would include more textbook instruction for each of the labs as it was difficult at times to ascertain exactly what the proper or "expected" way of solving a problem was.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I thoroughly enjoyed research and was fortunate and grateful to be able to have my name on a published paper before graduating, that was a goal of mine.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

Yes. I would like to enter the Chemical Engineering field in the energy sector, I'm not sure in what yet. Petroleum refining and extraction interest me, but so does alternative forms of fossil fuels as well as green energy and carbon sequestration technology.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Christopher Derivaux Today's Date: 4/22/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Christopher Derivaux Today's Date: 4/22/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

Either MC300 or CH635

What was your least favorite course in the program? What would you change about it?

CH383- I struggled in this course and would have liked to STAP it to allow me more time to focus on the course material.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I enjoyed the closeness of my class outside of the classroom as well as the accessibility to the faculty for AI or any questions about material. I also did an AIAD through Pane which focused on materials science at the German army research center.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

Yup! We'll see in 8 years though. I would like to go to law school, but there's a slight chance I might want to pursue this through the army. I am also interested in the oil industry or working at the department of energy. If all else fails, I wouldn't mind working at raytheon and using my ADA skills to design patriot missile systems.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Corey Field Today's Date: 4/25/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ■ | ☐ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Corey Field

Today's Date: 4/25/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH459

What was your least favorite course in the program? What would you change about it?

CH383; I cannot think of things to change because it was taught well and was a "good" course but I just really did not enjoy it

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I think the cadets and faculty are generally all great people and the culture is great!

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I plan on leaving the Army after my service obligation. I would like to go into some type of management hopefully at an executive level as quickly as possible. I think it would be cool to still be in a chemical engineering type company like maybe moving to Texas for an oil company.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Andrew Garby Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ■ | ☐ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ■ | ☐ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Andrew Garby Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH467

What was your least favorite course in the program? What would you change about it?

ME301, CH365. I feel that I did not learn much in these classes as it seemed at times they focused to heavily on derivations that I did not need to know. Those derivations were not on any test that I have seen and have not talked about them since these courses. More time needs to be given towards applying the actual important the concepts and maybe a five

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

The faculty were the reason I joined and are a big reason for me staying in the program.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I do not yet have a plan on this.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Javan Guevara-Cragwell Today's Date: 4/22/20

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Javan Guevara-Cragwell

Today's Date: 4/22/20

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

Bioengineering Modeling and Analysis

What was your least favorite course in the program? What would you change about it?

Electrical Engineering. Less worried about the points and more about learning information.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

The culture of the cadets and faculty. Very close-knit group that helped me get through the program.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

Yes, and maybe enter a profession in the bioengineering field.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Sudie Hall Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Sudie Hall Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

My favorite course was probably CH364 (Chemical reactions engineering) because I think I learned/took away the most

What was your least favorite course in the program? What would you change about it?

My least favorite was separations processes because I don't feel like a lot of it stuck with me conceptually, but it is very applicable in industry. I think I could have been better set up for success in future classes if I had understood that more. Maybe that was a me problem though.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I didn't really take advantage of many opportunities, but I enjoyed the trip sections I went on, and I really appreciated the faculty for taking time to work with me and care about my progression and learning.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I plan on getting out, and I would like to do something either in bio-mechanical engineering, or carry through with a civilian intelligence job for the government.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Melissa Jachim Today's Date: 4/30/20

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ■ | ☐ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ■ | ☐ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Melissa Jachim Today's Date: 4/30/20

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

I liked reaction engineering the best.

What was your least favorite course in the program? What would you change about it?

My least favorite was either orgo or fluids.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I liked when study sessions were sent in emails because it gave everyone a chance to use classmates as a resource.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I haven't thought that far ahead.

**AY2025 Chemical Engineering Program Exit Survey**

Name: William Jenkins Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: William Jenkins Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH364, we learned a lot of things that both built on CH362 and that built for other courses

What was your least favorite course in the program? What would you change about it?

Fluid Mechanics. We learned explicitly derivations and applied the math minimally. I don't think the derivation is as crucial as understanding what the equations mean and how it applies in reality.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I appreciated the culture our class had amongst each other and the instructors being so willing to help you learn the material in order to pass, not just tell you the answer to get you to pass.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

Probably will get out after 5, I would like to work in industry in either oil/gas or food/drink production.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Caleb Kwi Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ■ | ☐ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ■ | ☐ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Caleb Kwi Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

Chemical Engineering Lab

What was your least favorite course in the program? What would you change about it?

Fluids. Stop using Lab periods for lecturing two whole lessons. Also, teaching style is bad. They need to run through practice problems and show us the correct way of solving instead of giving us irrelevant problems and making us figure it out for half of the class.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

AIAD, Research, Faculty, and Cadets.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

Yes, Some time in Industry then run Business.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Katherine Lareau Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Katherine Lareau Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

I enjoyed the Separations class the best because of the hands-on learning and the instructor

What was your least favorite course in the program? What would you change about it?

My least favorite course in the progrm was CH364: Reaction Engineering. I was most confused in that course. I would change the pace of the course or just take some of the concepts a little bit slower and work through more problems in class that looked like what we would see on the test.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I really enjoyed the family atmosphere of the Chemical Engineering major and also all of the faculty. I enjoyed my AIAD to the Pentagon last summer as well and learned a lot while I was there.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I plan on staying in the Army for at least 8 years and then I hope to work in business within the energy sector.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Garret Longstaff Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Garret Longstaff

Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

Chemical Engineering Labratory CH459

What was your least favorite course in the program? What would you change about it?

Fluid Mechanics ME362 and EE301. Change the instructors to Chem E program instructors because it would make it more applicable and easier to learn.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

Harvard DBG AIAD was literally life changing and I wish more cadets could do it. The bioengineering track is good too, but those classes do not have labs to apply the material.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

No clue really. Would like to go into biotech/pharma, but we'll see how much I like doing aeromedical evacuations or working in hospitals while in the army. Not sure I want to do oil refinery because of the shift schedules and I don't want to live near one.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Robert Nash Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Robert Nash Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

I enjoyed taking process controls. The instructor was engaging and taught the course in a manner that was easy to understand. I also like

What was your least favorite course in the program? What would you change about it?

Fluid mechanics was my least favorite course in the program. I think it could have been a good class; however, my particular instructor did not teach it well. We often spent an extremely long amount of time on theory and the derivation of equations, but rarely every went over how to use the equations we derived.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

The faculty were amazing. They were always open to provide additional instruction outside of class, and it was easy to tell just how much they cared for all of us as cadets. The major itself is a friendly and close-knit group -- this environment made the difficulties of chemical engineering more manageable.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I do not plan on leaving the Army after my service obligation. If I do, I would like to get into the aviation field.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Nikola Nikcevic Today's Date: 4/23/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Nikola Nikcevic Today's Date: 4/23/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH363

What was your least favorite course in the program? What would you change about it?

CH383, I would introduce more teaching instead of solely relying on cadet's comprehending the material

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

All of the faculty are great instructors and genuinely care about our learning. They are always positive and approachable when help is needed.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

As of right now, I plan on staying in the Army after my service obligation

**AY2025 Chemical Engineering Program Exit Survey**

Name: Cavan O'Hara Today's Date: 4/22/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ■ | ☐ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ■ | ☐ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ■ | ☐ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Cavan O'Hara

Today's Date: 4/22/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH367, Controls was a great course and it is where I felt that a lot of my understanding of chemical engineering finally started to click

What was your least favorite course in the program? What would you change about it?

CH364. It was just the most heavy I felt in terms of workload and my learning curve was very steep in that course, no change required.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I really loved my AIADs with the major, going to APG and working with ARL.
I particularly enjoyed the faculty, every professor knew great teaching methods and were subject matter experts.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I currently do not know, but if I were to leave after my servcie, I would attempt to find an entry level engineer job in some company and put the problem solving and program skills I learned in this major to use.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Nicole Porcaro Today's Date: 4/26/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ■ | ☐ | ☐ | ☐ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ■ | ☐ | ☐ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ■ | ☐ | ☐ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ■ | ☐ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ■ | ☐ | ☐ | ☐ | ☐ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ■ | ☐ | ☐ | ☐ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ■ | ☐ | ☐ | ☐ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ■ | ☐ | ☐ | ☐ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Nicole Porcaro Today's Date: 4/26/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

Separations or Reactions.

What was your least favorite course in the program? What would you change about it?

Organic Chemistry. I would make the sure that the Chemical Engineers have the ability to take it Sophomore year, either 1st or 2nd semester. I took it as a Junior & it was incredibly hard to balance with my cadet position(s) & other academic classes.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

Research within CLS, the faculty & cadets have a really close bond that allows for a comfortable learning environment. My favorite selling point to cadets that want to join ChemE is that they will never get the close interactions or relationships with instructors or cadets in other engineering departments.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I plan on leaving after about 5 years to focus on getting experience in Chemical Engineering in an industrial setting & start a family.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Anthony Presot Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ■ | ☐ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ■ | ☐ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ■ | ☐ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Anthony Presot Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH485 or CH362

What was your least favorite course in the program? What would you change about it?

EE301 was atrocious, but it sounds like major changes have occurred since then. ME362 was also suboptimal. Of classes you control, I wish we covered electrochem at some point. i feel I am very lacking on that topic.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I enjoyed research, but it was not directly related to ChemE.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

Not sure

**AY2025 Chemical Engineering Program Exit Survey**

Name: Valencia Ramirez Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ■ | ☐ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ■ | ☐ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Valencia Ramirez Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

organic chemistry

What was your least favorite course in the program? What would you change about it?

mass and energy balances. If I could change the course, I would change how the class was taught. All the classes just zoomed by, but I felt like nothing I learned there helped with the difficulty of the assignments or my understanding of what was going on.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I enjoyed the AIADs however I think that more opportunities in the department should open up because most of the AIADs are just related to specific research groups in the department. I also enjoyed the research being done in the department.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

2: No

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

Yes, I plan on leaving. I would like my profession in either chemical engineering or something service related (helping/taking care of people in a more general sense).

**AY2025 Chemical Engineering Program Exit Survey**

Name: Nelle Ray Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Nelle Ray

Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

My favorite course was Reaction Engineering. I felt like it was one of my more challenging classes but I also felt like I learned the most in

What was your least favorite course in the program? What would you change about it?

My least favorite course was Fluiddynamics. I would prefer if that class was taught in CLS. It was handeled very badly in CME. I had four different instructors and they all taught the class completly differently. They also taught it very badly. I felt like it was an important class that I just completly missed.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I liked how involved the instructors were in the major.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I want to leave the army after my service obligation and either work at an Oil Refinery or be a Patent Lawyer.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Landon Sanders Today's Date: 4/30/20

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Landon Sanders

Today's Date: 4/30/20

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

Reaction Engineering

What was your least favorite course in the program? What would you change about it?

MC300, exceedingly easy course that was an extention of physics 1. Make it more difficult and applicable.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

Really enjoyed AIADs, undergrad research, faculty engagement and interactions, and various clubs.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I do, I plan to work with chemical engineering, either in oil and gas, or in something agricultural based.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Woodson Squier Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ■ | ☐ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Woodson Squier Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH367 - INTRO / AUTOMATIC PROC CONTROL

What was your least favorite course in the program? What would you change about it?

MC300 - FUND OF ENGR MECH AND DESIGN
It had a lot of busy work and felt unnecessary after taking Physics I.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

The faculty are incredibly knowledgeable and willing to help at any time. Research was also a great opportunity to expand learning outside the classroom.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I am not sure if I will leave since I have a 10-12 year ADSO. If I were to leave, I may pursue chemical engineering after going to graduate school or perhaps project management.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Parker Stewart Today's Date: 4/22/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ■ | ☐ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Parker Stewart Today's Date: 4/22/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH450

What was your least favorite course in the program? What would you change about it?

Organic Chemistry. I feel that if possible its sections can be broken down more. It is a lot to comprehend over a short semester.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I enjoyed the AIAD opportunitites in the department. I also really love the culture among the Cadets that is directly fostered by the faculty.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

As of right now I am unsure if I would leave the Army. If I was, I would look into some sort of role as a defense design enegineer in the private sector.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Trevor Verkleeren Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Trevor Verkleeren Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH363

What was your least favorite course in the program? What would you change about it?

ME362 - less of a focus on the theory (deriving formulas) and more emphasis on applying the actual equations to solve real world problems.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

Chocolate making. I wish I got more involved in the beer brewing or that it was a more prominent hobby amongst our major. I enjoyed an AIAD I went on plebe year which involved anaerobic waste digestors. I just wish I went on that AIAD after taking more of my courses.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

3: Maybe

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I'm not sure yet. I would hope to be involved in project management or being involved from a business side of industry.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Faris Wald Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Faris Wald

Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH459 Chemical Engineering Laboratory

What was your least favorite course in the program? What would you change about it?

ME362 Fluid Mechanics. I just felt as a whole that the class was not at all well taught and my understanding of the concepts within it are minimal. I would recommend having the instructors really focus on the "so-what" of fluids and not straight derivations.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

Cadet interactions outside the classroom have been amazing. Some of my best memories at West Point were done amidst the company of Chemical Engineering faculty and Cadets. Overall, we had a great culture.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I'm not particularly sure as of right now. I plan to stay in. However, if I were to leave for whatever reason, I would try to pursue some sort of chemical engineering/energetics line of work.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Kingsley Wallace Today's Date: 4/25/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ■ | ☐ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ■ | ☐ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Kingsley Wallace Today's Date: 4/25/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH459 with application in lab and understanding hands on course work with the addition of online formatting with ChemCAD and data analysis

What was your least favorite course in the program? What would you change about it?

Purely CLS - Separations was an easier course but it felt like there was more mathematic processes in the system that we did not discuss but could have. More hands on work and problem sets I think could have helped.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

AIADs were all extremely available and willing to adjust with the difficult cadet summer schedules. I learned a lot throughout my research since spring of freshman year, and I was able to accurately apply what I was learning in class to what I did in the lab then under the shadowing/internship during my AIAD where I continued to perfect my research process

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I am in for 8 years with the BRADSO addition. I am interested more in remaining affiliated with the Army even prior to my service obligation. Potentially as a DOD Civilian researcher.

**AY2025 Chemical Engineering Program Exit Survey**

Name: Veronica Xiao Today's Date: 4/30/25

**Part I. Student Outcomes.** Check the box that most closely represents your opinion of the program as a whole.

| **The program has prepared me to:** | **Strongly Disagree** | | **Neutral** | | **Strongly Agree** |
|---|---|---|---|---|---|
| · Identify, formulate, and solve engineering problems by applying principles of engineering, science, and mathematics | ☐ | ☐ | ☐ | ☐ | ■ |
| · Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, & welfare, as well as global, cultural, social, environmental, and economic factors. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Communicate effectively with a range of audiences. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Acquire and apply new knowledge as needed, using appropriate learning strategies. | ☐ | ☐ | ☐ | ☐ | ■ |
| · Understand the chemical engineering curriculum, including advanced chemistry, material & energy balances, safety and environmental factors, heat, mass, and momentum transfer, chemical reaction engineering, separation processes, process dynamics and control, modern experimental and computing techniques, and process design. | ☐ | ☐ | ☐ | ☐ | ■ |

**AY2025 Chemical Engineering Program Exit Survey**

Name: Veronica Xiao Today's Date: 4/30/25

**Part II. Open questions.**

What was your favorite course in the chemical engineering program?

CH459

What was your least favorite course in the program? What would you change about it?

MC300. It was extremely slow paced and felt very removed from the other courses partially due to the wide variety of cadets who take it. I would have an engineer major specific MC300 that covers more content.

Other than courses, was there any aspect of the program you particularly enjoyed? (i.e., AIADs, research, club, faculty, and cadet interactions outside the classroom, etc.)

I greatly enjoyed the lab equipment that we had available. There were a lot of opportunities to be part of research groups which provided invaluable experience. Overall, the culture of the ChemE cadets was cooperation-minded and made the major much enjoyable.

Projecting ahead 6-8 years, do you think you would you be interested in returning to West Point as an instructor if you are still in the Army?

1: Yes

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession?

I am not sure how long I will stay in the army. I would like to teach or work in one of the national labs.