1

N

AY2016 Chemical Engineering Program Exit Survey

Name: Hunter Aguirre

Date: 29 APR 16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☑
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☑
· Design a system, component, or process.	☐	☐	☐	☐	☑
· Function on multidisciplinary teams	☐	☐	☐	☐	☑
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☑
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☑
· Communicate effectively.	☐	☐	☐	☑	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☑
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☑
· Understand contemporary issues.	☐	☐	☐	☑	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☑
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☑

AY2016 Chemical Engineering Program Exit Survey

Name: Hunter Aguirre Date: 29APR16

Part II. Open questions.

What was your favorite course in the chemical engineering program?

Chem E thermodynamics (CH365)

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

XE472; make it more applicable to Chem E's

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 cohesion of all the students in our 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? If so, would you like us to contact you?

NO

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

2

S

AY2016 Chemical Engineering Program Exit Survey

Name: Barclay, Benjamin

Date: 29 APR 16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☒	☐
· Design a system, component, or process.	☐	☐	☐	☐	☒
· Function on multidisciplinary teams	☐	☐	☐	☒	☐
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☒	☐
· Communicate effectively.	☐	☐	☐	☐	☒
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☒	☐
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☒	☐
· Understand contemporary issues.	☐	☐	☐	☒	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☒
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☒

AY2016 Chemical Engineering Program Exit Survey

Name: Barclay, Benjamin Date: 29 APR 16

Part II. Open questions.

What was your favorite course in the chemical engineering program?

(Research) CH459 (CH290)([redacted])(CH490)(CH491)(CH492)

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

MC300 - gear it to apply to ChemE process building

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 - MIT
- Beer making
- Individual Research
- Awesome instructors
- Tight knit group of ChemEs

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 & Yes

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

Not sure yet ... but if I do get out, I want to go into Energy (Nuclear, Natural Gas, Oil, Solar)

3

S

AY2016 Chemical Engineering Program Exit Survey

Name: Jonathan Keith Bassett Date: 29 Apr 2016

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☒	☐
· Design a system, component, or process.	☐	☐	☐	☒	☐
· Function on multidisciplinary teams	☐	☐	☒	☐	☐
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☒	☐
· Communicate effectively.	☐	☐	☐	☐	☒
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☒	☐
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☒
· Understand contemporary issues.	☐	☐	☐	☐	☒
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☒
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☒	☐

AY2016 Chemical Engineering Program Exit Survey

Name: Jonathan Keith Bassett Date: 29 Apr 2016

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?

Separations

I would have liked to take that course after taking the Chem E Thermo course.

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 just really enjoyed the whole experience.

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, and yes.

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

No.

4

5

AY2016 Chemical Engineering Program Exit Survey

Name: Jacob Browning

Date: 4/28

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☒	☐
· Design a system, component, or process.	☐	☐	☐	☒	☐
· Function on multidisciplinary teams	☐	☐	☐	☐	☒
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☒
· Communicate effectively.	☐	☐	☐	☒	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☒
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☒
· Understand contemporary issues.	☐	☐	☐	☒	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☒	☐	☐
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☒	☐

AY2016 Chemical Engineering Program Exit Survey

Name: [illegible] Date: 4/28

Part II. Open questions.

What was your favorite course in the chemical engineering program?

CH364: Reaction Engineering

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

CH363: Separations - more effective [illegible]

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.

Enjoyed the close knit group that [illegible]

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

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

Yes, financial analyst for [illegible] firm.

5

S

AY2016 Chemical Engineering Program Exit Survey

Name: Brian Bui

Date: 29APR2016

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☑
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☑
· Design a system, component, or process.	☐	☐	☐	☐	☑
· Function on multidisciplinary teams	☐	☐	☐	☐	☑
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☑
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☑
· Communicate effectively.	☐	☐	☐	☐	☑
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☑
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☑
· Understand contemporary issues.	☐	☐	☐	☑	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☑
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☑

AY2016 Chemical Engineering Program Exit Survey

Name: Brian Bui Date: 29APR 2016

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?

Heat + Mass transfer. More visual aids

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 due to a small, close-knit 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? If so, would you like us to contact you?

Yes, email - brianbui36@yahoo.com

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

Yes, I would like to either work as an engineer or get an MBA and be a Consultant.

6

5

AY2016 Chemical Engineering Program Exit Survey

Name: Mariah Caid-Leers Date: 29 APR 2016

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☑
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☑
· Design a system, component, or process.	☐	☐	☐	☑	☐
· Function on multidisciplinary teams	☐	☐	☐	☐	☑
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☑
· Understand my professional and ethical responsibilities.	☐	☐	☐	☑	☐
· Communicate effectively.	☐	☐	☐	☑	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☑	☐
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☑	☐
· Understand contemporary issues.	☐	☐	☐	☑	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☑	☐
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☑

AY2016 Chemical Engineering Program Exit Survey

Name: Mariah Caudle

Date: 29 APR 2016

Part II. Open questions.

What was your favorite course in the chemical engineering program?

Chem Thermodynamics. This was the course that I feel like I understood the most.

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

Separations. It was difficult to understand the material. Better textbooks

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 provided insight as to what I could do after I leave the military.

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 and Yes

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

I am not sure. I want to see what the big army is like first

7

N

AY2016 Chemical Engineering Program Exit Survey

Name: Jared Collins

Date: 29 APRIL 2016

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☒
· Design a system, component, or process.	☐	☐	☐	☐	☒
· Function on multidisciplinary teams	☐	☐	☐	☐	☒
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☒
· Communicate effectively.	☐	☐	☐	☐	☒
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☒
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☒
· Understand contemporary issues.	☐	☐	☐	☐	☒
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☒
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☒

AY2016 Chemical Engineering Program Exit Survey

Name:_____ Date:_____

Part II. Open questions.

What was your favorite course in the chemical engineering program?

CH383

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

MC300, I would change the course to put more focus on ChemE

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 doing an AIAD with the department and being in the brewing club

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?

NO

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

Yes, either petroleum engineering or finance

8

AY2016 Chemical Engineering Program Exit Survey

Name: Spencer Ellis Date: 29 April

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☒
· Design a system, component, or process.	☐	☐	☐	☐	☒
· Function on multidisciplinary teams	☐	☐	☐	☒	☐
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☒
· Communicate effectively.	☐	☐	☐	☐	☒
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☒
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☒
· Understand contemporary issues.	☐	☐	☐	☐	☒
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☒
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☒

AY2016 Chemical Engineering Program Exit Survey

Ellis - left incomplete

Name:_____ Date:_____

Part II. Open questions.

What was your favorite course in the chemical engineering program?

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

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?

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

9

S

AY2016 Chemical Engineering Program Exit Survey

Name: Bradley Ernst Date: 29APR16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☑
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☑
· Design a system, component, or process.	☐	☐	☐	☑	☐
· Function on multidisciplinary teams	☐	☐	☐	☐	☑
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☑	☐
· Understand my professional and ethical responsibilities.	☐	☐	☐	☑	☐
· Communicate effectively.	☐	☐	☐	☐	☑
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☑	☐
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☑
· Understand contemporary issues.	☐	☐	☐	☐	☑
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☑
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☑	☐

AY2016 Chemical Engineering Program Exit Survey

Name: Bradley Ernst Date: 29 APR 16

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?

CH363. A book that is easier to work with.

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 AIADs avinby do. us wer amazing. A Great amount of optins ad locations

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 I would like to come back and instruct. Yes, please contact me

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession? I do not know when I am going to leave the Army but I am interested in getting my MBA.

10

M

AY2016 Chemical Engineering Program Exit Survey

Name: Haworth, James Date: 29 APR 16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☑
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☑	☐
· Design a system, component, or process.	☐	☐	☐	☑	☐
· Function on multidisciplinary teams	☐	☐	☐	☐	☑
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☑
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☑
· Communicate effectively.	☐	☐	☐	☑	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☑	☐	☐
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☑	☐
· Understand contemporary issues.	☐	☐	☐	☑	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☑
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☑

AY2016 Chemical Engineering Program Exit Survey

Name: Haworth, James Date: 29 APR 16

Part II. Open questions.

What was your favorite course in the chemical engineering program?

CH364 - Reactions

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

CH485 - Heat and Mass Transfer; more practice problems would have helped a lot.

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 thought the faculty was outstanding. The instructors were always very reasonable to work with and very helpful.

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?

I'm not sure yet. You're welcome to contact me, but I don't know yet if that is something I'm interested in.

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

I'm not sure yet. If I get out after my obligation, I'd like to continue being a pilot in the civilian world or in the Coast Guard.

11

5

AY2016 Chemical Engineering Program Exit Survey

Name: Aaron Hogg

Date: 29 APR 16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☑
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☑	☐
· Design a system, component, or process.	☐	☐	☐	☑	☐
· Function on multidisciplinary teams	☐	☐	☐	☐	☑
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☑
· Understand my professional and ethical responsibilities.	☐	☐	☐	☑	☐
· Communicate effectively.	☐	☐	☐	☑	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☑	☐
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☑
· Understand contemporary issues.	☐	☐	☐	☑	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☑	☐	☐
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☑

AY2016 Chemical Engineering Program Exit Survey

Name: Aaron Hagg Date: 29 APR 16

Part II. Open questions.

What was your favorite course in the chemical engineering program?

Chemical Reaction Engineering

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

Heat + Mass, more Practice 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.

AIADs + AIChE TS.

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

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

Yes, MBA / Business

12

S

AY2016 Chemical Engineering Program Exit Survey

Name: Hoyt, Thomas

Date: 8 Apr 16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☑
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☑	☐
· Design a system, component, or process.	☐	☐	☐	☐	☑
· Function on multidisciplinary teams	☐	☐	☐	☐	☑
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☑
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☑
· Communicate effectively.	☐	☐	☐	☑	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☑
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☑
· Understand contemporary issues.	☐	☐	☐	☑	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☑
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☑

AY2016 Chemical Engineering Program Exit Survey

Name: Hoyt, Thomas Date:_____

Part II. Open questions.

What was your favorite course in the chemical engineering program?

CH485

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

CH457. seemed like a lot of busy work

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 thought that the cadets and the relaxed faculty made the experience unique. It was a hard but "chill" 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? If so, would you like us to contact you? yes, yes.

Teaching here is one of my major career goals

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

No. I want to command a company and teach here before considering getting out.

13

5

AY2016 Chemical Engineering Program Exit Survey

Name: Warren Kay

Date: 29 APR 16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☒
· Design a system, component, or process.	☐	☐	☐	☐	☒
· Function on multidisciplinary teams	☐	☐	☐	☒	☐
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☒
· Communicate effectively.	☐	☐	☐	☒	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☒
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☒
· Understand contemporary issues.	☐	☐	☐	☒	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☒
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☒

AY2016 Chemical Engineering Program Exit Survey

Name: Warren Kay Date: 29APR2016

Part II. Open questions.

What was your favorite course in the chemical engineering program?

CH364 - Chemical Reaction Engineering

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

CH485 - Heat and Mass Transfer I would have liked to get more repetitions with practice problems in the classroom setting. We got practice on the problem sets, but I didn't feel like those problems left me feeling confident enough to efficiently handle some of the problems on the FEE

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 my AIAD to MIT through the Chemistry and Life Sciences Department. I also really enjoyed my interactions with my instructors and classmates inside and outside of 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? If so, would you like us to contact you?

Yes, I am very interested in coming back to teach. I would be willing to teach anything in the CLES - Math department.

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

I plan to stay in the Army beyond my service obligation. Depending on how long I am in the Army, I may want to teach Chemistry at the high school or college level.

14

S

AY2016 Chemical Engineering Program Exit Survey

Name: Steven Liu Date:_____

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☒	☐
· Design a system, component, or process.	☐	☐	☐	☐	☒
· Function on multidisciplinary teams	☐	☐	☐	☐	☒
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☒	☐
· Communicate effectively.	☐	☐	☐	☐	☒
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☒
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☒
· Understand contemporary issues.	☐	☐	☐	☒	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☒
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☒

AY2016 Chemical Engineering Program Exit Survey

Name: Steven Liu Date:_____

Part II. Open questions.

What was your favorite course in the chemical engineering program?

CH364

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

XE472 - Really did not seem to have any relation to chemical engineering

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.

Good group of cadets that are all intelligent and interact well with each other

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. Of course, please contact me.

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

Undecided, but if I did I would definitely try to find work using my chemical engineering degree or go get my Masters.

15

N

AY2016 Chemical Engineering Program Exit Survey

Name: Kayla Lacy

Date: 4/29/16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☒
· Design a system, component, or process.	☐	☐	☐	☒	☐
· Function on multidisciplinary teams	☐	☐	☒	☐	☐
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☒	☐
· Understand my professional and ethical responsibilities.	☐	☐	☐	☒	☐
· Communicate effectively.	☐	☐	☐	☒	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☒
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☒	☐
· Understand contemporary issues.	☐	☐	☐	☒	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☒	☐
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☒	☐

AY2016 Chemical Engineering Program Exit Survey

Name: Kayla Leary Date: 4/29/16

Part II. Open questions.

What was your favorite course in the chemical engineering program?

Reactions

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

Heat and Mass Transfer, I would change the text book to one that is easier to understand and better breaks down equations.

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.

My AIAD was great to see real world application

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? No

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

I do not have a plan on staying or leaving because I am waiting to see how I like my job in the Army.

16

M

AY2016 Chemical Engineering Program Exit Survey

Name: Brian O'Connor Date: _____

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☑
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☑
· Design a system, component, or process.	☐	☐	☐	☐	☑
· Function on multidisciplinary teams	☐	☐	☐	☑	☐
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☑
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☑
· Communicate effectively.	☐	☐	☐	☑	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☑
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☑
· Understand contemporary issues.	☐	☐	☐	☐	☑
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☑
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☑

AY2016 Chemical Engineering Program Exit Survey

Name: Brian O'Connor Date: _____

Part II. Open questions.

What was your favorite course in the chemical engineering program?

Reactions

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

ME300- had nothing to do with chemical engineering

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.

N/A

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?

I may be interested but I probably would not be in the army

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

Yes I plan on leaving the Army and I would like to go into the Consulting business

17

N

AY2016 Chemical Engineering Program Exit Survey

Name: Andrew Ortega Date: 29 Apr

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☑
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☑	☐
· Design a system, component, or process.	☐	☐	☐	☑	☐
· Function on multidisciplinary teams	☐	☐	☐	☐	☑
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☑
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☑
· Communicate effectively.	☐	☐	☐	☑	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☑	☐
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☑	☐
· Understand contemporary issues.	☐	☐	☐	☐	☑
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☑
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☑	☐

AY2016 Chemical Engineering Program Exit Survey

Name: Andrew Ortega Date: 29 Apr

Part II. Open questions.

What was your favorite course in the chemical engineering program?

CH361

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

CH 485, more structured way of teaching the course

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.

Trip section to Bayway refinery was very educational

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 & yes

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

I'm not sure how long I want to serve, but I'd like to work in the chemicals business

18

N

AY2016 Chemical Engineering Program Exit Survey

Name: Alex Parra

Date: 29 APR 2016

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☒	☐
· Design a system, component, or process.	☐	☐	☐	☐	☒
· Function on multidisciplinary teams	☐	☐	☐	☒	☐
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☒
· Communicate effectively.	☐	☐	☐	☐	☒
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☒	☐	☐
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☒
· Understand contemporary issues.	☐	☐	☐	☒	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☒	☐
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☒

AY2016 Chemical Engineering Program Exit Survey

Name: Alex Parra Date: 29APR

Part II. Open questions.

What was your favorite course in the chemical engineering program?

Controls - XE 472

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

Thermo - ch485

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 AIADs were 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? If so, would you like us to contact you?

Sure, yes I would like to be contacted

Do you plan on leaving the Army after your service obligation, and if so, what is your desired profession? Yes because I want to be a professor.

19

S

AY2016 Chemical Engineering Program Exit Survey

Name: Joshua Peck

Date: 4/29/16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☒
· Design a system, component, or process.	☐	☐	☐	☐	☒
· Function on multidisciplinary teams	☐	☐	☐	☐	☒
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☒	☐
· Communicate effectively.	☐	☐	☐	☐	☒
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☒
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☒
· Understand contemporary issues.	☐	☐	☐	☐	☒
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☒
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☒

AY2016 Chemical Engineering Program Exit Survey

Name: Joshua Peck Date: 4/29/16

Part II. Open questions.

What was your favorite course in the chemical engineering program?

Heat and Mass Transfer (CH485)

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

Chem Eng Laboratory (CH459). Make it more organized & focused.

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 AIADs were awesome, and the AIChE club was awesome as well

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, and yes.

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

Maybe. I plan on getting a masters in engineering & working for an engineering firm

20

M

AY2016 Chemical Engineering Program Exit Survey

Name: Kevin Schurr

Date: 04/29/16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☑
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☑
· Design a system, component, or process.	☐	☐	☐	☐	☑
· Function on multidisciplinary teams	☐	☐	☐	☐	☑
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☑
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☑
· Communicate effectively.	☐	☐	☐	☑	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☑	☐
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☑
· Understand contemporary issues.	☐	☐	☐	☑	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☑
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☑

AY2016 Chemical Engineering Program Exit Survey

Name: Kevin Schurr Date: 04/29/16

Part II. Open questions.

What was your favorite course in the chemical engineering program?

CH364

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

~~CH~~ Heat and Mass transfer. I would increase the emphasis on doing example problems in 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.

I really enjoyed working on my research project. I feel it was a great way to cap off my chemical engineering experience at West Point.

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?

I do not really see myself in the Army after 5 years, but if I am, I would be interested in teaching.

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

I plan on leaving after my service obligation. I want to go to grad school and get into nuclear energy.

21

M

AY2016 Chemical Engineering Program Exit Survey

Name: Alejandra Solares

Date: 4/29/16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☒
· Design a system, component, or process.	☐	☐	☐	☐	☒
· Function on multidisciplinary teams	☐	☐	☒	☐	☐
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☒
· Communicate effectively.	☐	☐	☐	☐	☒
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☒
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☒
· Understand contemporary issues.	☐	☐	☒	☐	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☒	☐
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☒

AY2016 Chemical Engineering Program Exit Survey

Name: Alyandra Solares Date: 4/29/16

Part II. Open questions.

What was your favorite course in the chemical engineering program?

My favorite course was the thermodynamics class CH365.

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

The separations class CH363. I would assign a more prepared instructor that has experience in that field to teach 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 enjoyed my experience in LLNL working chemical engineers, it was a rewarding experience.

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, if I am still in the Army.

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

I would like to work in the chemical engineering field either in the food industry or pharmaceutical industry.

22

S

AY2016 Chemical Engineering Program Exit Survey

Name: Stewart, Chris

Date: 29APR16

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☒
· Design a system, component, or process.	☐	☐	☐	☐	☒
· Function on multidisciplinary teams	☐	☐	☐	☒	☐
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☒	☒
· Communicate effectively.	☐	☐	☐	☒	☐
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☒	☐
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☒	☐
· Understand contemporary issues.	☐	☐	☐	☒	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☒	☐	☐	☐
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☒

AY2016 Chemical Engineering Program Exit Survey

Name: Stewart, Chris

Date: 29APR16

Part II. Open questions.

What was your favorite course in the chemical engineering program?

CH402 or 485

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

ML300... Get rid of 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.

AIAO plebe year w/ ARL & RDECOM

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, Please contact me. I would love to teach.

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

I have no idea. Also I don't know patent attorney?

23

N

AY2016 Chemical Engineering Program Exit Survey

Name: Kyle Wojtalewicz

Date: 29 APR 2016

Part I. Student Outcomes. Check the box that most closely represents your opinion.

The program has prepared me to:	Strongly Disagree		Neutral		Strongly Agree
· Apply knowledge of math, science, and engineering	☐	☐	☐	☐	☒
· Design and conduct experiments as well as analyze and interpret data.	☐	☐	☐	☐	☒
· Design a system, component, or process.	☐	☐	☐	☐	☒
· Function on multidisciplinary teams	☐	☐	☐	☐	☒
· Identify, formulate, and solve engineering problems.	☐	☐	☐	☐	☒
· Understand my professional and ethical responsibilities.	☐	☐	☐	☐	☒
· Communicate effectively.	☐	☐	☐	☐	☒
· Understand the impact of engineering solutions in a global economic, environmental, and societal context.	☐	☐	☐	☐	☒
· Engage in continuing intellectual development (lifelong learning).	☐	☐	☐	☐	☒
· Understand contemporary issues.	☐	☐	☐	☒	☐
· Understand and use techniques, skills, and modern engineering tools necessary for engineering practice.	☐	☐	☐	☐	☒
· Understand and apply mathematics and basic chemical and physical sciences.	☐	☐	☐	☐	☒

AY2016 Chemical Engineering Program Exit Survey

Name: Kyle Wojtalewicz Date: 29 APR 2016

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?
CH363 Separations Move it later in the course schedule

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.
AiChE meetings.

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? No.

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