

2016 UMass Amherst Graduating Senior Survey

College of Engineering

Graduates (Calendar Year 2016): 459

Survey Respondents: 330

Response Rate: 71.9%

SATISFACTION WITH UMASS AMHERST AND YOUR MAJOR

	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
Overall experience						
How satisfied are you with your UMass Amherst experience OVERALL?	329	55.3%	39.8%	4.3%	0.6%	3.5
Rate your satisfaction with each of the following aspects of your major:	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
The accessibility of faculty.	330	52.7%	39.1%	7.9%	0.3%	3.4
The quality of teaching.	330	30.9%	50.3%	15.5%	3.3%	3.1
Academic advising.	328	31.4%	41.8%	21.3%	5.5%	3.0
Access to classes.	329	51.1%	38.3%	9.7%	0.9%	3.4
Faculty concern for your academic progress.	327	36.1%	47.1%	14.4%	2.4%	3.2
Writing preparation.	329	34.3%	52.3%	12.8%	0.6%	3.2
Connections to the rest of your academics.	327	36.4%	49.5%	12.2%	1.8%	3.2
Career preparation and guidance.	329	44.1%	37.4%	16.1%	2.4%	3.2
Your overall experience.	330	45.8%	43.3%	9.7%	1.2%	3.3

EDUCATIONAL EXPERIENCES

Indicate whether or not you participated in each of the following while enrolled at UMass Amherst:

	(N)	Yes	No
Study abroad.	328	4.0%	96.0%
Community service or volunteer work.	327	36.7%	63.3%
Practicum, internship, field or coop experience, clinical assignment.	328	70.1%	29.9%
Research with faculty outside of course/program requirements.	327	35.8%	64.2%
Culminating senior experience.	327	89.0%	11.0%

LEARNING OUTCOMES

To what extent did your experience at UMass Amherst contribute to your knowledge, skills, and personal development in the following areas:

	(N)	Very Much (4)	Quite a Bit (3)	Some (2)	Very Little (1)	Item Mean
Knowledge specific to your major.	320	64.7%	30.3%	4.7%	0.3%	3.6
Relating to people different from you.	317	42.0%	33.1%	19.2%	5.7%	3.1
Understanding your own strengths/weaknesses.	319	52.7%	34.2%	11.9%	1.3%	3.4
Learning effectively on your own.	319	62.1%	28.8%	8.5%	0.6%	3.5
Writing clearly and effectively.	320	29.1%	42.2%	23.1%	5.6%	2.9
Speaking clearly and effectively.	318	34.6%	38.4%	22.0%	5.0%	3.0
Thinking critically and analytically.	320	65.0%	27.5%	7.2%	0.3%	3.6
Solving complex problems.	320	71.3%	23.4%	5.3%	0.0%	3.7
Being an engaged member of society.	318	28.6%	31.1%	27.4%	12.9%	2.8
Analyzing numerical and statistical information.	318	69.8%	25.8%	4.1%	0.3%	3.7
Working effectively with others.	319	61.8%	29.2%	7.8%	1.3%	3.5
Ethical decision making.	318	38.4%	33.0%	22.3%	6.3%	3.0

2016 UMass Amherst Graduating Senior Survey

College of Engineering

Graduates (Calendar Year 2016): 459

Survey Respondents: 330

POST-GRADUATION: EMPLOYMENT STATUS**

Employment status	(N)	Accepted a full-time, paid job	Accepted a part-time, paid job	Seeking a full-time, paid job	Seeking a part-time, paid job	Will NOT be seeking paid employment	Other
Which of the following best describe(s) your employment status post-graduation?	298	42.6%	1.7%	47.3%	0.7%	3.7%	4.0%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 or more	
If you have accepted a paid job, what is your approximate annual salary?	110	8.2%	0.9%	4.5%	20.9%	65.5%	
Location	(N)	Massachusetts	CT, RI, VT, ME, or NH	NY or NJ	Other U.S. location	Outside the U.S.	
If you have accepted a paid job, what is the location of your job?	127	59.1%	21.3%	6.3%	12.6%	0.8%	

POST-GRADUATION: PLANS FOR GRADUATE SCHOOL**

Plans for graduate school	(N)	Will be enrolled next year full-time	Will be enrolled next year part-time	Plan to enroll in the next 2 years	No immediate plans to enroll		
Which best describes your plans for graduate school post-graduation?	294	13.9%	1.4%	18.4%	66.3%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or veterinary degree	Doctoral degree	Other
If you will attend graduate school this fall, what graduate degree will you be seeking?	42	2.4%	66.7%	0.0%	2.4%	28.6%	0.0%

**The 2016 survey was administered to seniors attending the Undergraduate Commencement Fair on April 27th and to seniors picking up their caps and gowns in the Campus Center the first week in May. A small number of seniors completed the survey online from July 25th - August 22nd.

2016 UMass Amherst Graduating Senior Survey Departmental Results

Chemical Engineering

Graduates (Calendar Year 2016): 110

Survey Respondents: 81

Response Rate: 73.6%

SATISFACTION WITH UMASS AMHERST AND YOUR MAJOR

	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
Overall experience						
How satisfied are you with your UMass Amherst experience OVERALL?	81	39.5%	53.1%	7.4%	0.0%	3.3
Rate your satisfaction with each of the following aspects of your major:	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
The accessibility of faculty.	81	27.2%	58.0%	14.8%	0.0%	3.1
The quality of teaching.	81	12.3%	48.1%	32.1%	7.4%	2.7
Academic advising.	80	32.5%	45.0%	17.5%	5.0%	3.1
Access to classes.	81	50.6%	38.3%	9.9%	1.2%	3.4
Faculty concern for your academic progress.	80	26.3%	55.0%	12.5%	6.3%	3.0
Writing preparation.	81	30.9%	56.8%	11.1%	1.2%	3.2
Connections to the rest of your academics.	81	34.6%	53.1%	9.9%	2.5%	3.2
Career preparation and guidance.	80	37.5%	35.0%	20.0%	7.5%	3.0
Your overall experience.	81	29.6%	46.9%	21.0%	2.5%	3.0

EDUCATIONAL EXPERIENCES

Indicate whether or not you participated in each of the following while enrolled at UMass Amherst:

	(N)	Yes	No
Study abroad.	81	1.2%	98.8%
Community service or volunteer work.	81	32.1%	67.9%
Practicum, internship, field or coop experience, clinical assignment.	81	61.7%	38.3%
Research with faculty outside of course/program requirements.	81	64.2%	35.8%
Culminating senior experience.	81	81.5%	18.5%

LEARNING OUTCOMES

To what extent did your experience at UMass

Amherst contribute to your knowledge, skills,

and personal development in the following areas:

	(N)	Very Much (4)	Quite a Bit (3)	Some (2)	Very Little (1)	Item Mean
Knowledge specific to your major.	80	50.0%	41.3%	7.5%	1.3%	3.4
Relating to people different from you.	79	49.4%	22.8%	22.8%	5.1%	3.2
Understanding your own strengths/weaknesses.	80	48.8%	37.5%	12.5%	1.3%	3.3
Learning effectively on your own.	80	62.5%	27.5%	8.8%	1.3%	3.5
Writing clearly and effectively.	80	31.3%	41.3%	22.5%	5.0%	3.0
Speaking clearly and effectively.	80	46.3%	35.0%	15.0%	3.8%	3.2
Thinking critically and analytically.	80	60.0%	31.3%	8.8%	0.0%	3.5
Solving complex problems.	80	65.0%	26.3%	8.8%	0.0%	3.6
Being an engaged member of society.	80	23.8%	32.5%	33.8%	10.0%	2.7
Analyzing numerical and statistical information.	79	65.8%	24.1%	10.1%	0.0%	3.6
Working effectively with others.	80	67.5%	23.8%	7.5%	1.3%	3.6
Ethical decision making.	79	35.4%	30.4%	25.3%	8.9%	2.9

2016 UMass Amherst Graduating Senior Survey Departmental Results

Chemical Engineering

Graduates (Calendar Year 2016): 110

Survey Respondents: 81

POST-GRADUATION: EMPLOYMENT STATUS**

Employment status	(N)	Accepted a full-time, paid job	Accepted a part-time, paid job	Seeking a full-time, paid job	Seeking a part-time, paid job	Will NOT be seeking paid employment	Other
Which of the following best describe(s) your employment status post-graduation?	75	26.7%	1.3%	66.7%	0.0%	5.3%	0.0%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 or more	
If you have accepted a paid job, what is your approximate annual salary?	17	5.9%	0.0%	11.8%	17.6%	64.7%	
Location	(N)	Massachusetts	CT, RI, VT, ME, or NH	NY or NJ	Other U.S. location	Outside the U.S.	
If you have accepted a paid job, what is the location of your job?	20	45.0%	30.0%	5.0%	20.0%	0.0%	

POST-GRADUATION: PLANS FOR GRADUATE SCHOOL**

Plans for graduate school	(N)	Will be enrolled next year full-time	Will be enrolled next year part-time	Plan to enroll in the next 2 years	No immediate plans to enroll		
Which best describes your plans for graduate school post-graduation?	73	12.3%	0.0%	23.3%	64.4%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or veterinary degree	Doctoral degree	Other
If you will attend graduate school this fall, what graduate degree will you be seeking?	8	0.0%	12.5%	0.0%	12.5%	75.0%	0.0%

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2016 UMass Amherst Graduating Senior Survey Departmental Results

Civil and Environmental Engineering

Graduates (Calendar Year 2016): 77

Survey Respondents: 50

Response Rate: 64.9%

SATISFACTION WITH UMASS AMHERST AND YOUR MAJOR

	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
Overall experience						
How satisfied are you with your UMass Amherst experience OVERALL?	50	70.0%	26.0%	2.0%	2.0%	3.6
Rate your satisfaction with each of the following aspects of your major:	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
The accessibility of faculty.	50	64.0%	30.0%	6.0%	0.0%	3.6
The quality of teaching.	50	44.0%	50.0%	6.0%	0.0%	3.4
Academic advising.	50	44.0%	42.0%	8.0%	6.0%	3.2
Access to classes.	50	72.0%	26.0%	2.0%	0.0%	3.7
Faculty concern for your academic progress.	50	52.0%	34.0%	14.0%	0.0%	3.4
Writing preparation.	50	38.0%	50.0%	12.0%	0.0%	3.3
Connections to the rest of your academics.	50	42.0%	48.0%	10.0%	0.0%	3.3
Career preparation and guidance.	50	56.0%	34.0%	10.0%	0.0%	3.5
Your overall experience.	50	62.0%	36.0%	2.0%	0.0%	3.6

EDUCATIONAL EXPERIENCES

Indicate whether or not you participated in each of the following while enrolled at UMass Amherst:

	(N)	Yes	No
Study abroad.	49	12.2%	87.8%
Community service or volunteer work.	49	53.1%	46.9%
Practicum, internship, field or coop experience, clinical assignment.	49	79.6%	20.4%
Research with faculty outside of course/program requirements.	49	28.6%	71.4%
Culminating senior experience.	49	79.6%	20.4%

LEARNING OUTCOMES

To what extent did your experience at UMass Amherst contribute to your knowledge, skills, and personal development in the following areas:

	(N)	Very Much (4)	Quite a Bit (3)	Some (2)	Very Little (1)	Item Mean
Knowledge specific to your major.	50	66.0%	32.0%	2.0%	0.0%	3.6
Relating to people different from you.	50	48.0%	30.0%	16.0%	6.0%	3.2
Understanding your own strengths/weaknesses.	50	54.0%	30.0%	14.0%	2.0%	3.4
Learning effectively on your own.	50	62.0%	32.0%	4.0%	2.0%	3.5
Writing clearly and effectively.	50	40.0%	40.0%	20.0%	0.0%	3.2
Speaking clearly and effectively.	50	34.0%	46.0%	18.0%	2.0%	3.1
Thinking critically and analytically.	50	70.0%	22.0%	6.0%	2.0%	3.6
Solving complex problems.	50	76.0%	18.0%	6.0%	0.0%	3.7
Being an engaged member of society.	50	40.0%	28.0%	20.0%	12.0%	3.0
Analyzing numerical and statistical information.	50	80.0%	20.0%	0.0%	0.0%	3.8
Working effectively with others.	50	74.0%	22.0%	0.0%	4.0%	3.7
Ethical decision making.	50	54.0%	36.0%	8.0%	2.0%	3.4

2016 UMass Amherst Graduating Senior Survey Departmental Results

Civil and Environmental Engineering

Graduates (Calendar Year 2016): 77

Survey Respondents: 50

POST-GRADUATION: EMPLOYMENT STATUS**

Employment status	(N)	Accepted a full-time, paid job	Accepted a part-time, paid job	Seeking a full-time, paid job	Seeking a part-time, paid job	Will NOT be seeking paid employment	Other
Which of the following best describe(s) your employment status post-graduation?	47	55.3%	0.0%	34.0%	2.1%	2.1%	6.4%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 or more	
If you have accepted a paid job, what is your approximate annual salary?	22	4.5%	0.0%	4.5%	54.5%	36.4%	
Location	(N)	Massachusetts	CT, RI, VT, ME, or NH	NY or NJ	Other U.S. location	Outside the U.S.	
If you have accepted a paid job, what is the location of your job?	26	80.8%	11.5%	7.7%	0.0%	0.0%	

POST-GRADUATION: PLANS FOR GRADUATE SCHOOL**

Plans for graduate school	(N)	Will be enrolled next year full-time	Will be enrolled next year part-time	Plan to enroll in the next 2 years	No immediate plans to enroll		
Which best describes your plans for graduate school post-graduation?	46	17.4%	0.0%	19.6%	63.0%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or veterinary degree	Doctoral degree	Other
If you will attend graduate school this fall, what graduate degree will you be seeking?	8	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%

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2016 UMass Amherst Graduating Senior Survey Departmental Results

Electrical and Computer Engineering

Graduates (Calendar Year 2016): 81

Survey Respondents: 61

Response Rate: 75.3%

SATISFACTION WITH UMASS AMHERST AND YOUR MAJOR

	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
Overall experience						
How satisfied are you with your UMass Amherst experience OVERALL?	61	65.6%	31.1%	3.3%	0.0%	3.6
Rate your satisfaction with each of the following aspects of your major:	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
The accessibility of faculty.	61	70.5%	27.9%	1.6%	0.0%	3.7
The quality of teaching.	61	52.5%	44.3%	3.3%	0.0%	3.5
Academic advising.	61	32.8%	41.0%	21.3%	4.9%	3.0
Access to classes.	61	72.1%	23.0%	3.3%	1.6%	3.7
Faculty concern for your academic progress.	60	45.0%	48.3%	6.7%	0.0%	3.4
Writing preparation.	60	35.0%	41.7%	23.3%	0.0%	3.1
Connections to the rest of your academics.	60	36.7%	45.0%	16.7%	1.7%	3.2
Career preparation and guidance.	61	54.1%	36.1%	8.2%	1.6%	3.4
Your overall experience.	61	60.7%	34.4%	4.9%	0.0%	3.6

EDUCATIONAL EXPERIENCES

Indicate whether or not you participated in each of the following while enrolled at UMass Amherst:

	(N)	Yes	No
Study abroad.	60	3.3%	96.7%
Community service or volunteer work.	60	28.3%	71.7%
Practicum, internship, field or coop experience, clinical assignment.	60	80.0%	20.0%
Research with faculty outside of course/program requirements.	59	22.0%	78.0%
Culminating senior experience.	59	89.8%	10.2%

LEARNING OUTCOMES

To what extent did your experience at UMass

Amherst contribute to your knowledge, skills,

and personal development in the following areas:

	(N)	Very Much (4)	Quite a Bit (3)	Some (2)	Very Little (1)	Item Mean
Knowledge specific to your major.	58	79.3%	17.2%	3.4%	0.0%	3.8
Relating to people different from you.	58	41.4%	34.5%	20.7%	3.4%	3.1
Understanding your own strengths/weaknesses.	58	60.3%	31.0%	8.6%	0.0%	3.5
Learning effectively on your own.	58	67.2%	20.7%	12.1%	0.0%	3.6
Writing clearly and effectively.	58	22.4%	32.8%	34.5%	10.3%	2.7
Speaking clearly and effectively.	57	36.8%	26.3%	24.6%	12.3%	2.9
Thinking critically and analytically.	58	63.8%	24.1%	12.1%	0.0%	3.5
Solving complex problems.	58	72.4%	22.4%	5.2%	0.0%	3.7
Being an engaged member of society.	57	24.6%	42.1%	19.3%	14.0%	2.8
Analyzing numerical and statistical information.	58	69.0%	25.9%	3.4%	1.7%	3.6
Working effectively with others.	58	51.7%	32.8%	15.5%	0.0%	3.4
Ethical decision making.	58	34.5%	25.9%	32.8%	6.9%	2.9

2016 UMass Amherst Graduating Senior Survey Departmental Results

Electrical and Computer Engineering

Graduates (Calendar Year 2016): 81

Survey Respondents: 61

POST-GRADUATION: EMPLOYMENT STATUS**

Employment status	(N)	Accepted a full-time, paid job	Accepted a part-time, paid job	Seeking a full-time, paid job	Seeking a part-time, paid job	Will NOT be seeking paid employment	Other
Which of the following best describe(s) your employment status post-graduation?	56	57.1%	1.8%	28.6%	1.8%	3.6%	7.1%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 or more	
If you have accepted a paid job, what is your approximate annual salary?	25	16.0%	0.0%	0.0%	0.0%	84.0%	
Location	(N)	Massachusetts	CT, RI, VT, ME, or NH	NY or NJ	Other U.S. location	Outside the U.S.	
If you have accepted a paid job, what is the location of your job?	31	61.3%	12.9%	9.7%	12.9%	3.2%	

POST-GRADUATION: PLANS FOR GRADUATE SCHOOL**

Plans for graduate school	(N)	Will be enrolled next year full-time	Will be enrolled next year part-time	Plan to enroll in the next 2 years	No immediate plans to enroll		
Which best describes your plans for graduate school post-graduation?	57	14.0%	3.5%	14.0%	68.4%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or veterinary degree	Doctoral degree	Other
If you will attend graduate school this fall, what graduate degree will you be seeking?	9	0.0%	77.8%	0.0%	0.0%	22.2%	0.0%

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2016 UMass Amherst Graduating Senior Survey Program Level Results

Computer Systems Engineering

Graduates (Calendar Year 2016): 29

Survey Respondents: 20

Response Rate: 69.0%

SATISFACTION WITH UMASS AMHERST AND YOUR MAJOR

	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
Overall experience						
How satisfied are you with your UMass Amherst experience OVERALL?	20	55.0%	35.0%	10.0%	0.0%	3.5
Rate your satisfaction with each of the following aspects of your major:	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
The accessibility of faculty.	19	52.6%	42.1%	5.3%	0.0%	3.5
The quality of teaching.	19	31.6%	68.4%	0.0%	0.0%	3.3
Academic advising.	19	15.8%	52.6%	26.3%	5.3%	2.8
Access to classes.	19	47.4%	36.8%	10.5%	5.3%	3.3
Faculty concern for your academic progress.	19	21.1%	57.9%	21.1%	0.0%	3.0
Writing preparation.	18	22.2%	38.9%	38.9%	0.0%	2.8
Connections to the rest of your academics.	18	27.8%	55.6%	16.7%	0.0%	3.1
Career preparation and guidance.	19	31.6%	52.6%	10.5%	5.3%	3.1
Your overall experience.	19	31.6%	57.9%	10.5%	0.0%	3.2

EDUCATIONAL EXPERIENCES

Indicate whether or not you participated in each of the following while enrolled at UMass Amherst:

	(N)	Yes	No
Study abroad.	20	0.0%	100.0%
Community service or volunteer work.	20	30.0%	70.0%
Practicum, internship, field or coop experience, clinical assignment.	20	75.0%	25.0%
Research with faculty outside of course/program requirements.	19	5.3%	94.7%
Culminating senior experience.	19	94.7%	5.3%

LEARNING OUTCOMES

To what extent did your experience at UMass

Amherst contribute to your knowledge, skills, and personal development in the following areas:

	(N)	Very Much (4)	Quite a Bit (3)	Some (2)	Very Little (1)	Item Mean
Knowledge specific to your major.	20	65.0%	25.0%	10.0%	0.0%	3.6
Relating to people different from you.	20	15.0%	45.0%	35.0%	5.0%	2.7
Understanding your own strengths/weaknesses.	20	25.0%	55.0%	20.0%	0.0%	3.1
Learning effectively on your own.	20	40.0%	40.0%	20.0%	0.0%	3.2
Writing clearly and effectively.	20	15.0%	20.0%	45.0%	20.0%	2.3
Speaking clearly and effectively.	20	15.0%	30.0%	35.0%	20.0%	2.4
Thinking critically and analytically.	20	30.0%	40.0%	30.0%	0.0%	3.0
Solving complex problems.	20	40.0%	45.0%	15.0%	0.0%	3.3
Being an engaged member of society.	20	5.0%	50.0%	25.0%	20.0%	2.4
Analyzing numerical and statistical information.	20	40.0%	45.0%	10.0%	5.0%	3.2
Working effectively with others.	20	25.0%	40.0%	35.0%	0.0%	2.9
Ethical decision making.	20	15.0%	35.0%	35.0%	15.0%	2.5

2016 UMass Amherst Graduating Senior Survey Program Level Results

Computer Systems Engineering

Graduates (Calendar Year 2016): 29

Survey Respondents: 20

POST-GRADUATION: EMPLOYMENT STATUS**

Employment status	(N)	Accepted a full-time, paid job	Accepted a part-time, paid job	Seeking a full-time, paid job	Seeking a part-time, paid job	Will NOT be seeking paid employment	Other
Which of the following best describe(s) your employment status post-graduation?	20	65.0%	0.0%	25.0%	5.0%	0.0%	5.0%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 or more	
If you have accepted a paid job, what is your approximate annual salary?	10	40.0%	0.0%	0.0%	0.0%	60.0%	
Location	(N)	Massachusetts	CT, RI, VT, ME, or NH	NY or NJ	Other U.S. location	Outside the U.S.	
If you have accepted a paid job, what is the location of your job?	12	58.3%	8.3%	0.0%	25.0%	8.3%	

POST-GRADUATION: PLANS FOR GRADUATE SCHOOL**

Plans for graduate school	(N)	Will be enrolled next year full-time	Will be enrolled next year part-time	Plan to enroll in the next 2 years	No immediate plans to enroll		
Which best describes your plans for graduate school post-graduation?	20	0.0%	0.0%	10.0%	90.0%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or veterinary degree	Doctoral degree	Other
If you will attend graduate school this fall, what graduate degree will you be seeking?	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

**The 2016 survey was administered to seniors attending the Undergraduate Commencement Fair on April 27th and to seniors picking up their caps and gowns in the Campus Center the first week in May. A small number of seniors completed the survey online from July 25th - August 22nd.

2016 UMass Amherst Graduating Senior Survey Program Level Results

Electrical Engineering

Graduates (Calendar Year 2016): 52

Survey Respondents: 41

Response Rate: 78.8%

SATISFACTION WITH UMASS AMHERST AND YOUR MAJOR

	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
Overall experience						
How satisfied are you with your UMass Amherst experience OVERALL?	41	70.7%	29.3%	0.0%	0.0%	3.7
Rate your satisfaction with each of the following aspects of your major:	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
The accessibility of faculty.	41	80.5%	19.5%	0.0%	0.0%	3.8
The quality of teaching.	41	63.4%	31.7%	4.9%	0.0%	3.6
Academic advising.	41	41.5%	34.1%	19.5%	4.9%	3.1
Access to classes.	41	85.4%	14.6%	0.0%	0.0%	3.9
Faculty concern for your academic progress.	40	57.5%	42.5%	0.0%	0.0%	3.6
Writing preparation.	41	41.5%	41.5%	17.1%	0.0%	3.2
Connections to the rest of your academics.	41	41.5%	41.5%	14.6%	2.4%	3.2
Career preparation and guidance.	41	65.9%	29.3%	4.9%	0.0%	3.6
Your overall experience.	41	75.6%	22.0%	2.4%	0.0%	3.7

EDUCATIONAL EXPERIENCES

Indicate whether or not you participated in each of the following while enrolled at UMass Amherst:

	(N)	Yes	No
Study abroad.	40	5.0%	95.0%
Community service or volunteer work.	40	27.5%	72.5%
Practicum, internship, field or coop experience, clinical assignment.	40	82.5%	17.5%
Research with faculty outside of course/program requirements.	40	30.0%	70.0%
Culminating senior experience.	40	87.5%	12.5%

LEARNING OUTCOMES

To what extent did your experience at UMass

Amherst contribute to your knowledge, skills,

and personal development in the following areas:

	(N)	Very Much (4)	Quite a Bit (3)	Some (2)	Very Little (1)	Item Mean
Knowledge specific to your major.	38	86.8%	13.2%	0.0%	0.0%	3.9
Relating to people different from you.	38	55.3%	28.9%	13.2%	2.6%	3.4
Understanding your own strengths/weaknesses.	38	78.9%	18.4%	2.6%	0.0%	3.8
Learning effectively on your own.	38	81.6%	10.5%	7.9%	0.0%	3.7
Writing clearly and effectively.	38	26.3%	39.5%	28.9%	5.3%	2.9
Speaking clearly and effectively.	37	48.6%	24.3%	18.9%	8.1%	3.1
Thinking critically and analytically.	38	81.6%	15.8%	2.6%	0.0%	3.8
Solving complex problems.	38	89.5%	10.5%	0.0%	0.0%	3.9
Being an engaged member of society.	37	35.1%	37.8%	16.2%	10.8%	3.0
Analyzing numerical and statistical information.	38	84.2%	15.8%	0.0%	0.0%	3.8
Working effectively with others.	38	65.8%	28.9%	5.3%	0.0%	3.6
Ethical decision making.	38	44.7%	21.1%	31.6%	2.6%	3.1

2016 UMass Amherst Graduating Senior Survey Program Level Results

Electrical Engineering

Graduates (Calendar Year 2016): 52

Survey Respondents: 41

POST-GRADUATION: EMPLOYMENT STATUS**

Employment status	(N)	Accepted a full-time, paid job	Accepted a part-time, paid job	Seeking a full-time, paid job	Seeking a part-time, paid job	Will NOT be seeking paid employment	Other
Which of the following best describe(s) your employment status post-graduation?	36	52.8%	2.8%	30.6%	0.0%	5.6%	8.3%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 or more	
If you have accepted a paid job, what is your approximate annual salary?	15	0.0%	0.0%	0.0%	0.0%	100.0%	
Location	(N)	Massachusetts	CT, RI, VT, ME, or NH	NY or NJ	Other U.S. location	Outside the U.S.	
If you have accepted a paid job, what is the location of your job?	19	63.2%	15.8%	15.8%	5.3%	0.0%	

POST-GRADUATION: PLANS FOR GRADUATE SCHOOL**

Plans for graduate school	(N)	Will be enrolled next year full-time	Will be enrolled next year part-time	Plan to enroll in the next 2 years	No immediate plans to enroll		
Which best describes your plans for graduate school post-graduation?	37	21.6%	5.4%	16.2%	56.8%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or veterinary degree	Doctoral degree	Other
If you will attend graduate school this fall, what graduate degree will you be seeking?	9	0.0%	77.8%	0.0%	0.0%	22.2%	0.0%

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2016 UMass Amherst Graduating Senior Survey Departmental Results

Mechanical and Industrial Engineering

Graduates (Calendar Year 2016): 191

Survey Respondents: 138

Response Rate: 72.3%

SATISFACTION WITH UMASS AMHERST AND YOUR MAJOR

	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
Overall experience						
How satisfied are you with your UMass Amherst experience OVERALL?	137	56.2%	39.4%	3.6%	0.7%	3.5
Rate your satisfaction with each of the following aspects of your major:	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
The accessibility of faculty.	138	55.8%	36.2%	7.2%	0.7%	3.5
The quality of teaching.	138	27.5%	54.3%	14.5%	3.6%	3.1
Academic advising.	137	25.5%	40.1%	28.5%	5.8%	2.9
Access to classes.	137	34.3%	49.6%	15.3%	0.7%	3.2
Faculty concern for your academic progress.	137	32.1%	46.7%	19.0%	2.2%	3.1
Writing preparation.	138	34.8%	55.1%	9.4%	0.7%	3.2
Connections to the rest of your academics.	136	35.3%	50.0%	12.5%	2.2%	3.2
Career preparation and guidance.	138	39.1%	40.6%	19.6%	0.7%	3.2
Your overall experience.	138	42.8%	47.8%	8.0%	1.4%	3.3

EDUCATIONAL EXPERIENCES

Indicate whether or not you participated in each of the following while enrolled at UMass Amherst:

	(N)	Yes	No
Study abroad.	138	2.9%	97.1%
Community service or volunteer work.	137	37.2%	62.8%
Practicum, internship, field or coop experience, clinical assignment.	138	67.4%	32.6%
Research with faculty outside of course/program requirements.	138	27.5%	72.5%
Culminating senior experience.	138	96.4%	3.6%

LEARNING OUTCOMES

To what extent did your experience at UMass

Amherst contribute to your knowledge, skills,

and personal development in the following areas:

	(N)	Very Much (4)	Quite a Bit (3)	Some (2)	Very Little (1)	Item Mean
Knowledge specific to your major.	132	66.7%	28.8%	4.5%	0.0%	3.6
Relating to people different from you.	130	35.4%	40.0%	17.7%	6.9%	3.0
Understanding your own strengths/weaknesses.	131	51.1%	35.1%	12.2%	1.5%	3.4
Learning effectively on your own.	131	59.5%	32.1%	8.4%	0.0%	3.5
Writing clearly and effectively.	132	26.5%	47.7%	19.7%	6.1%	2.9
Speaking clearly and effectively.	131	26.7%	42.7%	26.7%	3.8%	2.9
Thinking critically and analytically.	132	66.7%	28.8%	4.5%	0.0%	3.6
Solving complex problems.	132	72.7%	24.2%	3.0%	0.0%	3.7
Being an engaged member of society.	131	29.0%	26.7%	29.8%	14.5%	2.7
Analyzing numerical and statistical information.	131	68.7%	29.0%	2.3%	0.0%	3.7
Working effectively with others.	131	58.0%	33.6%	7.6%	0.8%	3.5
Ethical decision making.	131	35.9%	36.6%	21.4%	6.1%	3.0

2016 UMass Amherst Graduating Senior Survey Departmental Results

Mechanical and Industrial Engineering

Graduates (Calendar Year 2016): 191

Survey Respondents: 138

POST-GRADUATION: EMPLOYMENT STATUS**

Employment status	(N)	Accepted a full-time, paid job	Accepted a part-time, paid job	Seeking a full-time, paid job	Seeking a part-time, paid job	Will NOT be seeking paid employment	Other
Which of the following best describe(s) your employment status post-graduation?	120	40.8%	2.5%	49.2%	0.0%	3.3%	4.2%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 or more	
If you have accepted a paid job, what is your approximate annual salary?	46	6.5%	2.2%	4.3%	17.4%	69.6%	
Location	(N)	Massachusetts	CT, RI, VT, ME, or NH	NY or NJ	Other U.S. location	Outside the U.S.	
If you have accepted a paid job, what is the location of your job?	50	52.0%	28.0%	4.0%	16.0%	0.0%	

POST-GRADUATION: PLANS FOR GRADUATE SCHOOL**

Plans for graduate school	(N)	Will be enrolled next year full-time	Will be enrolled next year part-time	Plan to enroll in the next 2 years	No immediate plans to enroll		
Which best describes your plans for graduate school post-graduation?	118	13.6%	1.7%	16.9%	67.8%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or veterinary degree	Doctoral degree	Other
If you will attend graduate school this fall, what graduate degree will you be seeking?	17	5.9%	70.6%	0.0%	0.0%	23.5%	0.0%

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2016 UMass Amherst Graduating Senior Survey Program Level Results

Industrial Engineering

Graduates (Calendar Year 2016): 22

Survey Respondents: 18

Response Rate: 81.8%

SATISFACTION WITH UMASS AMHERST AND YOUR MAJOR

	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
Overall experience						
How satisfied are you with your UMass Amherst experience OVERALL?	18	61.1%	38.9%	0.0%	0.0%	3.6
Rate your satisfaction with each of the following aspects of your major:	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
The accessibility of faculty.	18	77.8%	16.7%	5.6%	0.0%	3.7
The quality of teaching.	18	44.4%	55.6%	0.0%	0.0%	3.4
Academic advising.	18	22.2%	50.0%	16.7%	11.1%	2.8
Access to classes.	18	38.9%	55.6%	5.6%	0.0%	3.3
Faculty concern for your academic progress.	18	66.7%	22.2%	11.1%	0.0%	3.6
Writing preparation.	18	44.4%	50.0%	5.6%	0.0%	3.4
Connections to the rest of your academics.	17	70.6%	23.5%	0.0%	5.9%	3.6
Career preparation and guidance.	18	44.4%	38.9%	16.7%	0.0%	3.3
Your overall experience.	18	55.6%	44.4%	0.0%	0.0%	3.6

EDUCATIONAL EXPERIENCES

Indicate whether or not you participated in each of the following while enrolled at UMass Amherst:

	(N)	Yes	No
Study abroad.	18	5.6%	94.4%
Community service or volunteer work.	18	61.1%	38.9%
Practicum, internship, field or coop experience, clinical assignment.	18	72.2%	27.8%
Research with faculty outside of course/program requirements.	18	50.0%	50.0%
Culminating senior experience.	18	100.0%	0.0%

LEARNING OUTCOMES

To what extent did your experience at UMass

Amherst contribute to your knowledge, skills,

and personal development in the following areas:

	(N)	Very Much (4)	Quite a Bit (3)	Some (2)	Very Little (1)	Item Mean
Knowledge specific to your major.	18	66.7%	33.3%	0.0%	0.0%	3.7
Relating to people different from you.	18	55.6%	33.3%	5.6%	5.6%	3.4
Understanding your own strengths/weaknesses.	18	55.6%	33.3%	11.1%	0.0%	3.4
Learning effectively on your own.	18	50.0%	44.4%	5.6%	0.0%	3.4
Writing clearly and effectively.	18	16.7%	55.6%	22.2%	5.6%	2.8
Speaking clearly and effectively.	18	22.2%	44.4%	33.3%	0.0%	2.9
Thinking critically and analytically.	18	83.3%	16.7%	0.0%	0.0%	3.8
Solving complex problems.	18	77.8%	22.2%	0.0%	0.0%	3.8
Being an engaged member of society.	18	27.8%	38.9%	22.2%	11.1%	2.8
Analyzing numerical and statistical information.	18	83.3%	16.7%	0.0%	0.0%	3.8
Working effectively with others.	18	72.2%	22.2%	5.6%	0.0%	3.7
Ethical decision making.	18	38.9%	33.3%	22.2%	5.6%	3.1

2016 UMass Amherst Graduating Senior Survey Program Level Results

Industrial Engineering

Graduates (Calendar Year 2016): 22

Survey Respondents: 18

POST-GRADUATION: EMPLOYMENT STATUS**

Employment status	(N)	Accepted a full-time, paid job	Accepted a part-time, paid job	Seeking a full-time, paid job	Seeking a part-time, paid job	Will NOT be seeking paid employment	Other
Which of the following best describe(s) your employment status post-graduation?	17	58.8%	0.0%	35.3%	0.0%	0.0%	5.9%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 or more	
If you have accepted a paid job, what is your approximate annual salary?	9	0.0%	11.1%	22.2%	0.0%	66.7%	
Location	(N)	Massachusetts	CT, RI, VT, ME, or NH	NY or NJ	Other U.S. location	Outside the U.S.	
If you have accepted a paid job, what is the location of your job?	9	44.4%	22.2%	0.0%	33.3%	0.0%	

POST-GRADUATION: PLANS FOR GRADUATE SCHOOL**

Plans for graduate school	(N)	Will be enrolled next year full-time	Will be enrolled next year part-time	Plan to enroll in the next 2 years	No immediate plans to enroll		
Which best describes your plans for graduate school post-graduation?	14	7.1%	7.1%	21.4%	64.3%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or veterinary degree	Doctoral degree	Other
If you will attend graduate school this fall, what graduate degree will you be seeking?	2	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%

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2016 UMass Amherst Graduating Senior Survey Program Level Results

Mechanical Engineering

Graduates (Calendar Year 2016): 169

Survey Respondents: 120

Response Rate: 71.0%

SATISFACTION WITH UMASS AMHERST AND YOUR MAJOR

	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
Overall experience						
How satisfied are you with your UMass Amherst experience OVERALL?	119	55.5%	39.5%	4.2%	0.8%	3.5
Rate your satisfaction with each of the following aspects of your major:	(N)	Very Satisfied (4)	Somewhat Satisfied (3)	Somewhat Dissatisfied (2)	Very Dissatisfied (1)	Item Mean
The accessibility of faculty.	120	52.5%	39.2%	7.5%	0.8%	3.4
The quality of teaching.	120	25.0%	54.2%	16.7%	4.2%	3.0
Academic advising.	119	26.1%	38.7%	30.3%	5.0%	2.9
Access to classes.	119	33.6%	48.7%	16.8%	0.8%	3.2
Faculty concern for your academic progress.	119	26.9%	50.4%	20.2%	2.5%	3.0
Writing preparation.	120	33.3%	55.8%	10.0%	0.8%	3.2
Connections to the rest of your academics.	119	30.3%	53.8%	14.3%	1.7%	3.1
Career preparation and guidance.	120	38.3%	40.8%	20.0%	0.8%	3.2
Your overall experience.	120	40.8%	48.3%	9.2%	1.7%	3.3

EDUCATIONAL EXPERIENCES

Indicate whether or not you participated in each of the following while enrolled at UMass Amherst:

	(N)	Yes	No
Study abroad.	120	2.5%	97.5%
Community service or volunteer work.	119	33.6%	66.4%
Practicum, internship, field or coop experience, clinical assignment.	120	66.7%	33.3%
Research with faculty outside of course/program requirements.	120	24.2%	75.8%
Culminating senior experience.	120	95.8%	4.2%

LEARNING OUTCOMES

To what extent did your experience at UMass

Amherst contribute to your knowledge, skills,

and personal development in the following areas:

	(N)	Very Much (4)	Quite a Bit (3)	Some (2)	Very Little (1)	Item Mean
Knowledge specific to your major.	114	66.7%	28.1%	5.3%	0.0%	3.6
Relating to people different from you.	112	32.1%	41.1%	19.6%	7.1%	3.0
Understanding your own strengths/weaknesses.	113	50.4%	35.4%	12.4%	1.8%	3.3
Learning effectively on your own.	113	61.1%	30.1%	8.8%	0.0%	3.5
Writing clearly and effectively.	114	28.1%	46.5%	19.3%	6.1%	3.0
Speaking clearly and effectively.	113	27.4%	42.5%	25.7%	4.4%	2.9
Thinking critically and analytically.	114	64.0%	30.7%	5.3%	0.0%	3.6
Solving complex problems.	114	71.9%	24.6%	3.5%	0.0%	3.7
Being an engaged member of society.	113	29.2%	24.8%	31.0%	15.0%	2.7
Analyzing numerical and statistical information.	113	66.4%	31.0%	2.7%	0.0%	3.6
Working effectively with others.	113	55.8%	35.4%	8.0%	0.9%	3.5
Ethical decision making.	113	35.4%	37.2%	21.2%	6.2%	3.0

2016 UMass Amherst Graduating Senior Survey Program Level Results

Mechanical Engineering

Graduates (Calendar Year 2016): 169

Survey Respondents: 120

POST-GRADUATION: EMPLOYMENT STATUS**

Employment status	(N)	Accepted a full-time, paid job	Accepted a part-time, paid job	Seeking a full-time, paid job	Seeking a part-time, paid job	Will NOT be seeking paid employment	Other
Which of the following best describe(s) your employment status post-graduation?	103	37.9%	2.9%	51.5%	0.0%	3.9%	3.9%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 or more	
If you have accepted a paid job, what is your approximate annual salary?	37	8.1%	0.0%	0.0%	21.6%	70.3%	
Location	(N)	Massachusetts	CT, RI, VT, ME, or NH	NY or NJ	Other U.S. location	Outside the U.S.	
If you have accepted a paid job, what is the location of your job?	41	53.7%	29.3%	4.9%	12.2%	0.0%	

POST-GRADUATION: PLANS FOR GRADUATE SCHOOL**

Plans for graduate school	(N)	Will be enrolled next year full-time	Will be enrolled next year part-time	Plan to enroll in the next 2 years	No immediate plans to enroll		
Which best describes your plans for graduate school post-graduation?	104	14.4%	1.0%	16.3%	68.3%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or veterinary degree	Doctoral degree	Other
If you will attend graduate school this fall, what graduate degree will you be seeking?	15	6.7%	66.7%	0.0%	0.0%	26.7%	0.0%

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