

2019 UMass Amherst Graduating Senior Survey

College of Engineering

Graduates (Calendar Year 2019): 484

Survey Respondents: 377

Response Rate: 77.9%

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?	370	61.9%	34.3%	3.2%	0.5%	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.	376	56.4%	37.5%	5.3%	0.8%	3.5
The quality of teaching.	376	33.5%	50.5%	13.3%	2.7%	3.1
Academic advising.	375	40.8%	36.3%	17.1%	5.9%	3.1
Access to classes.	375	48.5%	37.9%	11.2%	2.4%	3.3
Faculty concern for your academic progress.	376	34.3%	47.9%	13.3%	4.5%	3.1
Writing preparation.	374	38.8%	46.5%	11.5%	3.2%	3.2
Connections to the rest of your academics.	376	32.2%	51.9%	13.8%	2.1%	3.1
Career preparation and guidance.	374	40.6%	40.6%	13.9%	4.8%	3.2
Your overall experience.	373	44.5%	46.4%	8.3%	0.8%	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.	373	7.2%	92.8%
Community service or volunteer work.	373	38.6%	61.4%
Practicum, internship, field or coop experience, clinical assignment.	372	73.9%	26.1%
Research with faculty outside of course/program requirements.	372	39.8%	60.2%
Culminating senior experience.	372	82.8%	17.2%

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.	372	70.2%	24.2%	4.0%	1.6%	3.6
Writing clearly and effectively.	372	28.0%	46.0%	21.5%	4.6%	3.0
Speaking clearly and effectively.	372	33.6%	43.3%	18.0%	5.1%	3.1
Thinking critically and analytically.	370	62.2%	32.2%	5.1%	0.5%	3.6
Solving complex problems.	370	69.2%	26.5%	4.3%	0.0%	3.6
Being an engaged member of society.	371	27.0%	38.0%	27.2%	7.8%	2.8
Analyzing numerical and statistical information.	369	65.6%	27.4%	6.2%	0.8%	3.6
Working effectively with others.	372	54.8%	36.0%	7.8%	1.3%	3.4
Ethical decision making.	371	39.1%	36.4%	18.9%	5.7%	3.1
Relating to people different from you.	371	38.0%	36.9%	19.7%	5.4%	3.1
Understanding your own strengths/weaknesses.	372	50.3%	36.3%	12.1%	1.3%	3.4
Learning effectively on your own.	371	64.7%	28.6%	5.9%	0.8%	3.6

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College of Engineering

Graduates (Calendar Year 2019): 484

Survey Respondents: 377

Response Rate: 77.9%

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?	350	48.6%	2.0%	37.7%	0.9%	5.1%	5.7%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 to \$69,000	\$70,000 or more
If you have accepted a paid job, what is your approximate annual salary?	144	2.8%	4.2%	1.4%	12.5%	28.5%	50.7%
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?	169	59.8%	23.1%	5.3%	10.7%	1.2%	

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?	326	18.7%	2.5%	18.7%	60.1%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or Veterinary degree	PhD or EdD	Other Doctoral degree
If you will attend graduate school this fall, what graduate degree will you be seeking?	61	8.2%	65.6%	0.0%	0.0%	24.6%	1.6%

**The 2019 survey was administered to seniors attending the Undergraduate Commencement Fair on May 1st and to seniors picking up their caps and gowns in the Campus Center from May 6th-9th. A small number of seniors completed the survey online from July 24th-August 22nd.

2019 UMass Amherst Graduating Senior Survey Departmental Results

Chemical Engineering

Graduates (Calendar Year 2019): 92

Survey Respondents: 78

Response Rate: 84.8%

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?	76	46.1%	44.7%	7.9%	1.3%	3.4
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.	78	26.9%	55.1%	14.1%	3.8%	3.1
The quality of teaching.	78	9.0%	59.0%	26.9%	5.1%	2.7
Academic advising.	77	41.6%	32.5%	16.9%	9.1%	3.1
Access to classes.	77	54.5%	32.5%	9.1%	3.9%	3.4
Faculty concern for your academic progress.	78	15.4%	53.8%	20.5%	10.3%	2.7
Writing preparation.	77	31.2%	51.9%	13.0%	3.9%	3.1
Connections to the rest of your academics.	78	23.1%	52.6%	21.8%	2.6%	3.0
Career preparation and guidance.	77	19.5%	49.4%	18.2%	13.0%	2.8
Your overall experience.	76	21.1%	59.2%	17.1%	2.6%	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.	78	10.3%	89.7%
Community service or volunteer work.	78	37.2%	62.8%
Practicum, internship, field or coop experience, clinical assignment.	77	71.4%	28.6%
Research with faculty outside of course/program requirements.	77	70.1%	29.9%
Culminating senior experience.	77	77.9%	22.1%

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.	76	53.9%	34.2%	7.9%	3.9%	3.4
Writing clearly and effectively.	76	21.1%	55.3%	19.7%	3.9%	2.9
Speaking clearly and effectively.	76	36.8%	48.7%	10.5%	3.9%	3.2
Thinking critically and analytically.	76	53.9%	43.4%	2.6%	0.0%	3.5
Solving complex problems.	76	55.3%	39.5%	5.3%	0.0%	3.5
Being an engaged member of society.	76	17.1%	43.4%	30.3%	9.2%	2.7
Analyzing numerical and statistical information.	75	57.3%	32.0%	10.7%	0.0%	3.5
Working effectively with others.	76	42.1%	48.7%	6.6%	2.6%	3.3
Ethical decision making.	75	26.7%	45.3%	20.0%	8.0%	2.9
Relating to people different from you.	76	34.2%	38.2%	23.7%	3.9%	3.0
Understanding your own strengths/weaknesses.	76	40.8%	48.7%	9.2%	1.3%	3.3
Learning effectively on your own.	76	57.9%	39.5%	2.6%	0.0%	3.6

2019 UMass Amherst Graduating Senior Survey Departmental Results

Chemical Engineering

Graduates (Calendar Year 2019): 92

Survey Respondents: 78

Response Rate: 84.8%

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?	71	35.2%	1.4%	56.3%	0.0%	2.8%	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 to \$69,000	\$70,000 or more
If you have accepted a paid job, what is your approximate annual salary?	19	0.0%	5.3%	0.0%	15.8%	26.3%	52.6%
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?	24	45.8%	25.0%	8.3%	20.8%	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?	60	15.0%	0.0%	25.0%	60.0%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or Veterinary degree	PhD or EdD	Other Doctoral degree
If you will attend graduate school this fall, what graduate degree will you be seeking?	9	0.0%	22.2%	0.0%	0.0%	77.8%	0.0%

**The 2019 survey was administered to seniors attending the Undergraduate Commencement Fair on May 1st and to seniors picking up their caps and gowns in the Campus Center from May 6th-9th. A small number of seniors completed the survey online from July 24th-August 22nd.

2019 UMass Amherst Graduating Senior Survey Departmental Results

Civil and Environmental Engineering

Graduates (Calendar Year 2019): 84

Survey Respondents: 61

Response Rate: 72.6%

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?	59	71.2%	28.8%	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.	60	76.7%	20.0%	3.3%	0.0%	3.7
The quality of teaching.	61	52.5%	45.9%	1.6%	0.0%	3.5
Academic advising.	61	42.6%	32.8%	18.0%	6.6%	3.1
Access to classes.	60	55.0%	45.0%	0.0%	0.0%	3.6
Faculty concern for your academic progress.	61	47.5%	39.3%	11.5%	1.6%	3.3
Writing preparation.	61	45.9%	44.3%	8.2%	1.6%	3.3
Connections to the rest of your academics.	61	39.3%	54.1%	6.6%	0.0%	3.3
Career preparation and guidance.	61	57.4%	34.4%	8.2%	0.0%	3.5
Your overall experience.	61	67.2%	32.8%	0.0%	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.	60	13.3%	86.7%
Community service or volunteer work.	59	44.1%	55.9%
Practicum, internship, field or coop experience, clinical assignment.	60	76.7%	23.3%
Research with faculty outside of course/program requirements.	60	38.3%	61.7%
Culminating senior experience.	60	45.0%	55.0%

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.	60	81.7%	15.0%	3.3%	0.0%	3.8
Writing clearly and effectively.	60	43.3%	38.3%	16.7%	1.7%	3.2
Speaking clearly and effectively.	60	41.7%	40.0%	16.7%	1.7%	3.2
Thinking critically and analytically.	60	66.7%	25.0%	6.7%	1.7%	3.6
Solving complex problems.	59	72.9%	22.0%	5.1%	0.0%	3.7
Being an engaged member of society.	59	39.0%	39.0%	16.9%	5.1%	3.1
Analyzing numerical and statistical information.	60	73.3%	21.7%	5.0%	0.0%	3.7
Working effectively with others.	60	61.7%	28.3%	10.0%	0.0%	3.5
Ethical decision making.	60	60.0%	28.3%	10.0%	1.7%	3.5
Relating to people different from you.	60	38.3%	45.0%	15.0%	1.7%	3.2
Understanding your own strengths/weaknesses.	60	56.7%	33.3%	8.3%	1.7%	3.5
Learning effectively on your own.	60	71.7%	20.0%	8.3%	0.0%	3.6

2019 UMass Amherst Graduating Senior Survey Departmental Results

Civil and Environmental Engineering

Graduates (Calendar Year 2019): 84

Survey Respondents: 61

Response Rate: 72.6%

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?	57	50.9%	3.5%	31.6%	1.8%	5.3%	7.0%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 to \$69,000	\$70,000 or more
If you have accepted a paid job, what is your approximate annual salary?	24	4.2%	8.3%	0.0%	37.5%	41.7%	8.3%
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?	29	75.9%	10.3%	6.9%	6.9%	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?	53	18.9%	3.8%	5.7%	71.7%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or Veterinary degree	PhD or EdD	Other Doctoral degree
If you will attend graduate school this fall, what graduate degree will you be seeking?	10	10.0%	70.0%	0.0%	0.0%	20.0%	0.0%

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2019 UMass Amherst Graduating Senior Survey Departmental Results

Electrical and Computer Engineering

Graduates (Calendar Year 2019): 96

Survey Respondents: 80

Response Rate: 83.3%

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?	78	56.4%	38.5%	5.1%	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.	80	73.8%	25.0%	1.3%	0.0%	3.7
The quality of teaching.	79	40.5%	50.6%	8.9%	0.0%	3.3
Academic advising.	80	47.5%	38.8%	10.0%	3.8%	3.3
Access to classes.	80	56.3%	30.0%	11.3%	2.5%	3.4
Faculty concern for your academic progress.	79	41.8%	45.6%	12.7%	0.0%	3.3
Writing preparation.	79	57.0%	34.2%	5.1%	3.8%	3.4
Connections to the rest of your academics.	80	38.8%	51.3%	10.0%	0.0%	3.3
Career preparation and guidance.	79	46.8%	40.5%	10.1%	2.5%	3.3
Your overall experience.	79	45.6%	48.1%	6.3%	0.0%	3.4

EDUCATIONAL EXPERIENCES

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

	(N)	Yes	No
Study abroad.	79	0.0%	100.0%
Community service or volunteer work.	79	27.8%	72.2%
Practicum, internship, field or coop experience, clinical assignment.	79	69.6%	30.4%
Research with faculty outside of course/program requirements.	79	26.6%	73.4%
Culminating senior experience.	79	96.2%	3.8%

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.	78	79.5%	17.9%	2.6%	0.0%	3.8
Writing clearly and effectively.	78	26.9%	42.3%	20.5%	10.3%	2.9
Speaking clearly and effectively.	78	32.1%	35.9%	24.4%	7.7%	2.9
Thinking critically and analytically.	78	59.0%	32.1%	9.0%	0.0%	3.5
Solving complex problems.	77	70.1%	26.0%	3.9%	0.0%	3.7
Being an engaged member of society.	78	20.5%	35.9%	32.1%	11.5%	2.7
Analyzing numerical and statistical information.	78	67.9%	23.1%	7.7%	1.3%	3.6
Working effectively with others.	78	55.1%	32.1%	10.3%	2.6%	3.4
Ethical decision making.	78	32.1%	43.6%	17.9%	6.4%	3.0
Relating to people different from you.	77	40.3%	32.5%	16.9%	10.4%	3.0
Understanding your own strengths/weaknesses.	78	56.4%	30.8%	11.5%	1.3%	3.4
Learning effectively on your own.	77	70.1%	22.1%	7.8%	0.0%	3.6

2019 UMass Amherst Graduating Senior Survey Departmental Results

Electrical and Computer Engineering

Graduates (Calendar Year 2019): 96

Survey Respondents: 80

Response Rate: 83.3%

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?	74	59.5%	2.7%	31.1%	1.4%	2.7%	2.7%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 to \$69,000	\$70,000 or more
If you have accepted a paid job, what is your approximate annual salary?	36	2.8%	2.8%	0.0%	5.6%	11.1%	77.8%
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?	43	62.8%	14.0%	7.0%	16.3%	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?	74	13.5%	4.1%	17.6%	64.9%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or Veterinary degree	PhD or EdD	Other Doctoral degree
If you will attend graduate school this fall, what graduate degree will you be seeking?	11	9.1%	81.8%	0.0%	0.0%	9.1%	0.0%

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2019 UMass Amherst Graduating Senior Survey Program Level Results

Computer Systems Engineering

Graduates (Calendar Year 2019): 58

Survey Respondents: 46

Response Rate: 79.3%

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?	45	55.6%	40.0%	4.4%	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.	46	76.1%	21.7%	2.2%	0.0%	3.7
The quality of teaching.	45	37.8%	51.1%	11.1%	0.0%	3.3
Academic advising.	46	45.7%	41.3%	10.9%	2.2%	3.3
Access to classes.	46	52.2%	34.8%	8.7%	4.3%	3.3
Faculty concern for your academic progress.	45	35.6%	53.3%	11.1%	0.0%	3.2
Writing preparation.	45	60.0%	33.3%	4.4%	2.2%	3.5
Connections to the rest of your academics.	46	37.0%	60.9%	2.2%	0.0%	3.3
Career preparation and guidance.	46	43.5%	45.7%	8.7%	2.2%	3.3
Your overall experience.	46	43.5%	50.0%	6.5%	0.0%	3.4

EDUCATIONAL EXPERIENCES

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

	(N)	Yes	No
Study abroad.	45	0.0%	100.0%
Community service or volunteer work.	45	31.1%	68.9%
Practicum, internship, field or coop experience, clinical assignment.	45	66.7%	33.3%
Research with faculty outside of course/program requirements.	45	28.9%	71.1%
Culminating senior experience.	45	93.3%	6.7%

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.	44	77.3%	20.5%	2.3%	0.0%	3.8
Writing clearly and effectively.	44	29.5%	40.9%	20.5%	9.1%	2.9
Speaking clearly and effectively.	44	34.1%	38.6%	22.7%	4.5%	3.0
Thinking critically and analytically.	44	59.1%	31.8%	9.1%	0.0%	3.5
Solving complex problems.	43	74.4%	20.9%	4.7%	0.0%	3.7
Being an engaged member of society.	44	27.3%	38.6%	22.7%	11.4%	2.8
Analyzing numerical and statistical information.	44	56.8%	29.5%	11.4%	2.3%	3.4
Working effectively with others.	44	54.5%	31.8%	11.4%	2.3%	3.4
Ethical decision making.	44	36.4%	36.4%	22.7%	4.5%	3.0
Relating to people different from you.	43	41.9%	27.9%	20.9%	9.3%	3.0
Understanding your own strengths/weaknesses.	44	56.8%	34.1%	9.1%	0.0%	3.5
Learning effectively on your own.	44	72.7%	18.2%	9.1%	0.0%	3.6

2019 UMass Amherst Graduating Senior Survey Program Level Results

Computer Systems Engineering

Graduates (Calendar Year 2019): 58

Survey Respondents: 46

Response Rate: 79.3%

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?	42	64.3%	4.8%	23.8%	2.4%	2.4%	2.4%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 to \$69,000	\$70,000 or more
If you have accepted a paid job, what is your approximate annual salary?	21	4.8%	0.0%	0.0%	4.8%	4.8%	85.7%
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?	26	69.2%	3.8%	0.0%	26.9%	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?	41	12.2%	4.9%	14.6%	68.3%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or Veterinary degree	PhD or EdD	Other Doctoral degree
If you will attend graduate school this fall, what graduate degree will you be seeking?	7	14.3%	71.4%	0.0%	0.0%	14.3%	0.0%

**The 2019 survey was administered to seniors attending the Undergraduate Commencement Fair on May 1st and to seniors picking up their caps and gowns in the Campus Center from May 6th-9th. A small number of seniors completed the survey online from July 24th-August 22nd.

2019 UMass Amherst Graduating Senior Survey Program Level Results

Electrical Engineering

Graduates (Calendar Year 2019): 38

Survey Respondents: 34

Response Rate: 89.5%

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?	34	61.8%	32.4%	5.9%	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.	34	70.6%	29.4%	0.0%	0.0%	3.7
The quality of teaching.	34	44.1%	50.0%	5.9%	0.0%	3.4
Academic advising.	34	50.0%	35.3%	8.8%	5.9%	3.3
Access to classes.	34	61.8%	23.5%	14.7%	0.0%	3.5
Faculty concern for your academic progress.	34	50.0%	35.3%	14.7%	0.0%	3.4
Writing preparation.	34	52.9%	35.3%	5.9%	5.9%	3.4
Connections to the rest of your academics.	34	41.2%	38.2%	20.6%	0.0%	3.2
Career preparation and guidance.	33	51.5%	33.3%	12.1%	3.0%	3.3
Your overall experience.	33	48.5%	45.5%	6.1%	0.0%	3.4

EDUCATIONAL EXPERIENCES

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

	(N)	Yes	No
Study abroad.	34	0.0%	100.0%
Community service or volunteer work.	34	23.5%	76.5%
Practicum, internship, field or coop experience, clinical assignment.	34	73.5%	26.5%
Research with faculty outside of course/program requirements.	34	23.5%	76.5%
Culminating senior experience.	34	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.	34	82.4%	14.7%	2.9%	0.0%	3.8
Writing clearly and effectively.	34	23.5%	44.1%	20.6%	11.8%	2.8
Speaking clearly and effectively.	34	29.4%	32.4%	26.5%	11.8%	2.8
Thinking critically and analytically.	34	58.8%	32.4%	8.8%	0.0%	3.5
Solving complex problems.	34	64.7%	32.4%	2.9%	0.0%	3.6
Being an engaged member of society.	34	11.8%	32.4%	44.1%	11.8%	2.4
Analyzing numerical and statistical information.	34	82.4%	14.7%	2.9%	0.0%	3.8
Working effectively with others.	34	55.9%	32.4%	8.8%	2.9%	3.4
Ethical decision making.	34	26.5%	52.9%	11.8%	8.8%	3.0
Relating to people different from you.	34	38.2%	38.2%	11.8%	11.8%	3.0
Understanding your own strengths/weaknesses.	34	55.9%	26.5%	14.7%	2.9%	3.4
Learning effectively on your own.	33	66.7%	27.3%	6.1%	0.0%	3.6

2019 UMass Amherst Graduating Senior Survey Program Level Results

Electrical Engineering

Graduates (Calendar Year 2019): 38

Survey Respondents: 34

Response Rate: 89.5%

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?	32	53.1%	0.0%	40.6%	0.0%	3.1%	3.1%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 to \$69,000	\$70,000 or more
If you have accepted a paid job, what is your approximate annual salary?	15	0.0%	6.7%	0.0%	6.7%	20.0%	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?	17	52.9%	29.4%	17.6%	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?	33	15.2%	3.0%	21.2%	60.6%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or Veterinary degree	PhD or EdD	Other Doctoral degree
If you will attend graduate school this fall, what graduate degree will you be seeking?	4	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%

**The 2019 survey was administered to seniors attending the Undergraduate Commencement Fair on May 1st and to seniors picking up their caps and gowns in the Campus Center from May 6th-9th. A small number of seniors completed the survey online from July 24th-August 22nd.

2019 UMass Amherst Graduating Senior Survey Departmental Results

Mechanical and Industrial Engineering

Graduates (Calendar Year 2019): 212

Survey Respondents: 158

Response Rate: 74.5%

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?	157	68.2%	29.9%	1.3%	0.6%	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.	158	54.4%	41.8%	3.8%	0.0%	3.5
The quality of teaching.	158	34.8%	48.1%	13.3%	3.8%	3.1
Academic advising.	157	36.3%	38.2%	20.4%	5.1%	3.1
Access to classes.	158	39.2%	41.8%	16.5%	2.5%	3.2
Faculty concern for your academic progress.	158	34.8%	49.4%	10.8%	5.1%	3.1
Writing preparation.	157	30.6%	51.0%	15.3%	3.2%	3.1
Connections to the rest of your academics.	157	30.6%	51.0%	14.6%	3.8%	3.1
Career preparation and guidance.	157	41.4%	38.9%	15.9%	3.8%	3.2
Your overall experience.	157	46.5%	44.6%	8.3%	0.6%	3.4

EDUCATIONAL EXPERIENCES

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

	(N)	Yes	No
Study abroad.	156	7.1%	92.9%
Community service or volunteer work.	157	42.7%	57.3%
Practicum, internship, field or coop experience, clinical assignment.	156	76.3%	23.7%
Research with faculty outside of course/program requirements.	156	32.1%	67.9%
Culminating senior experience.	156	92.9%	7.1%

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.	158	69.0%	25.9%	3.2%	1.9%	3.6
Writing clearly and effectively.	158	25.9%	46.2%	24.7%	3.2%	2.9
Speaking clearly and effectively.	158	29.7%	45.6%	19.0%	5.7%	3.0
Thinking critically and analytically.	156	66.0%	29.5%	3.8%	0.6%	3.6
Solving complex problems.	158	74.1%	22.2%	3.8%	0.0%	3.7
Being an engaged member of society.	158	30.4%	36.1%	27.2%	6.3%	2.9
Analyzing numerical and statistical information.	156	65.4%	29.5%	3.8%	1.3%	3.6
Working effectively with others.	158	58.2%	34.8%	6.3%	0.6%	3.5
Ethical decision making.	158	40.5%	31.6%	22.2%	5.7%	3.1
Relating to people different from you.	158	38.6%	35.4%	20.9%	5.1%	3.1
Understanding your own strengths/weaknesses.	158	49.4%	34.2%	15.2%	1.3%	3.3
Learning effectively on your own.	158	62.7%	29.7%	5.7%	1.9%	3.5

2019 UMass Amherst Graduating Senior Survey Departmental Results

Mechanical and Industrial Engineering

Graduates (Calendar Year 2019): 212

Survey Respondents: 158

Response Rate: 74.5%

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?	148	48.6%	1.4%	34.5%	0.7%	7.4%	7.4%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 to \$69,000	\$70,000 or more
If you have accepted a paid job, what is your approximate annual salary?	65	3.1%	3.1%	3.1%	6.2%	33.8%	50.8%
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?	73	56.2%	32.9%	2.7%	5.5%	2.7%	

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?	139	23.0%	2.2%	21.6%	53.2%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or Veterinary degree	PhD or EdD	Other Doctoral degree
If you will attend graduate school this fall, what graduate degree will you be seeking?	31	9.7%	71.0%	0.0%	0.0%	16.1%	3.2%

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2019 UMass Amherst Graduating Senior Survey Program Level Results

Industrial Engineering

Graduates (Calendar Year 2019): 25

Survey Respondents: 20

Response Rate: 80.0%

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	75.0%	25.0%	0.0%	0.0%	3.8
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.	20	80.0%	20.0%	0.0%	0.0%	3.8
The quality of teaching.	20	40.0%	50.0%	10.0%	0.0%	3.3
Academic advising.	20	45.0%	30.0%	20.0%	5.0%	3.2
Access to classes.	20	45.0%	35.0%	15.0%	5.0%	3.2
Faculty concern for your academic progress.	20	55.0%	40.0%	5.0%	0.0%	3.5
Writing preparation.	20	55.0%	45.0%	0.0%	0.0%	3.6
Connections to the rest of your academics.	20	25.0%	50.0%	20.0%	5.0%	3.0
Career preparation and guidance.	20	20.0%	60.0%	15.0%	5.0%	3.0
Your overall experience.	20	40.0%	55.0%	5.0%	0.0%	3.4

EDUCATIONAL EXPERIENCES

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

	(N)	Yes	No
Study abroad.	19	10.5%	89.5%
Community service or volunteer work.	19	42.1%	57.9%
Practicum, internship, field or coop experience, clinical assignment.	19	68.4%	31.6%
Research with faculty outside of course/program requirements.	19	52.6%	47.4%
Culminating senior experience.	19	89.5%	10.5%

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.	20	75.0%	25.0%	0.0%	0.0%	3.8
Writing clearly and effectively.	20	40.0%	50.0%	10.0%	0.0%	3.3
Speaking clearly and effectively.	20	40.0%	55.0%	0.0%	5.0%	3.3
Thinking critically and analytically.	20	65.0%	30.0%	5.0%	0.0%	3.6
Solving complex problems.	20	75.0%	15.0%	10.0%	0.0%	3.7
Being an engaged member of society.	20	20.0%	40.0%	35.0%	5.0%	2.8
Analyzing numerical and statistical information.	19	73.7%	21.1%	0.0%	5.3%	3.6
Working effectively with others.	20	60.0%	30.0%	10.0%	0.0%	3.5
Ethical decision making.	20	40.0%	25.0%	30.0%	5.0%	3.0
Relating to people different from you.	20	40.0%	35.0%	20.0%	5.0%	3.1
Understanding your own strengths/weaknesses.	20	50.0%	35.0%	15.0%	0.0%	3.4
Learning effectively on your own.	20	70.0%	15.0%	10.0%	5.0%	3.5

2019 UMass Amherst Graduating Senior Survey Program Level Results

Industrial Engineering

Graduates (Calendar Year 2019): 25

Survey Respondents: 20

Response Rate: 80.0%

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?	19	42.1%	0.0%	47.4%	0.0%	0.0%	10.5%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 to \$69,000	\$70,000 or more
If you have accepted a paid job, what is your approximate annual salary?	8	0.0%	12.5%	0.0%	0.0%	12.5%	75.0%
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?	8	50.0%	37.5%	12.5%	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?	17	11.8%	0.0%	29.4%	58.8%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or Veterinary degree	PhD or EdD	Other Doctoral degree
If you will attend graduate school this fall, what graduate degree will you be seeking?	1	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%

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2019 UMass Amherst Graduating Senior Survey Program Level Results

Mechanical Engineering

Graduates (Calendar Year 2019): 187

Survey Respondents: 138

Response Rate: 73.8%

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?	137	67.2%	30.7%	1.5%	0.7%	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.	138	50.7%	44.9%	4.3%	0.0%	3.5
The quality of teaching.	138	34.1%	47.8%	13.8%	4.3%	3.1
Academic advising.	137	35.0%	39.4%	20.4%	5.1%	3.0
Access to classes.	138	38.4%	42.8%	16.7%	2.2%	3.2
Faculty concern for your academic progress.	138	31.9%	50.7%	11.6%	5.8%	3.1
Writing preparation.	137	27.0%	51.8%	17.5%	3.6%	3.0
Connections to the rest of your academics.	137	31.4%	51.1%	13.9%	3.6%	3.1
Career preparation and guidance.	137	44.5%	35.8%	16.1%	3.6%	3.2
Your overall experience.	137	47.4%	43.1%	8.8%	0.7%	3.4

EDUCATIONAL EXPERIENCES

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

	(N)	Yes	No
Study abroad.	137	6.6%	93.4%
Community service or volunteer work.	138	42.8%	57.2%
Practicum, internship, field or coop experience, clinical assignment.	137	77.4%	22.6%
Research with faculty outside of course/program requirements.	137	29.2%	70.8%
Culminating senior experience.	137	93.4%	6.6%

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.	138	68.1%	26.1%	3.6%	2.2%	3.6
Writing clearly and effectively.	138	23.9%	45.7%	26.8%	3.6%	2.9
Speaking clearly and effectively.	138	28.3%	44.2%	21.7%	5.8%	2.9
Thinking critically and analytically.	136	66.2%	29.4%	3.7%	0.7%	3.6
Solving complex problems.	138	73.9%	23.2%	2.9%	0.0%	3.7
Being an engaged member of society.	138	31.9%	35.5%	26.1%	6.5%	2.9
Analyzing numerical and statistical information.	137	64.2%	30.7%	4.4%	0.7%	3.6
Working effectively with others.	138	58.0%	35.5%	5.8%	0.7%	3.5
Ethical decision making.	138	40.6%	32.6%	21.0%	5.8%	3.1
Relating to people different from you.	138	38.4%	35.5%	21.0%	5.1%	3.1
Understanding your own strengths/weaknesses.	138	49.3%	34.1%	15.2%	1.4%	3.3
Learning effectively on your own.	138	61.6%	31.9%	5.1%	1.4%	3.5

2019 UMass Amherst Graduating Senior Survey Program Level Results

Mechanical Engineering

Graduates (Calendar Year 2019): 187

Survey Respondents: 138

Response Rate: 73.8%

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?	129	49.6%	1.6%	32.6%	0.8%	8.5%	7.0%
Annual salary	(N)	Less than \$30,000	\$30,000 to \$39,000	\$40,000 to \$49,000	\$50,000 to \$59,000	\$60,000 to \$69,000	\$70,000 or more
If you have accepted a paid job, what is your approximate annual salary?	57	3.5%	1.8%	3.5%	7.0%	36.8%	47.4%
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?	65	56.9%	32.3%	1.5%	6.2%	3.1%	

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?	122	24.6%	2.5%	20.5%	52.5%		
Graduate degree	(N)	MBA	Other Masters degree	Law degree	Medical or Veterinary degree	PhD or EdD	Other Doctoral degree
If you will attend graduate school this fall, what graduate degree will you be seeking?	30	10.0%	73.3%	0.0%	0.0%	13.3%	3.3%

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