

Marshall University Graduation Survey

2024-2025 School Year

College of Engineering & Computer Science

Graduate Students

Survey Timeline

Summer 2024 Survey:

- Open Date – October 21, 2024
- Close Date – January 11, 2025

Fall 2024 Survey:

- Open Date – October 21, 2024
- Close Date – May 10, 2025

Spring 2025 Survey:

- Open Date – March 10, 2025
- Close Date – October 5, 2025

Report Content

- Student Experience Data
- Academic Career Questions
- Reflection Questions
- Quality Questions: Teaching, Advising, Academic Support Services, Classroom/Lab Facilities, Online Learning
- College-Specific Questions

Student Demographics and Experience Data - CECS Graduate Student Responses (2024-2025 School Year)

Upon graduation, what was the dollar amount of your educational loan indebtedness? ▲	# of Responses	% of Responses
a. \$0/No indebtedness	3	25%
b. Up to \$4,999	1	8%
c. \$5,000 - \$9,999	1	8%
g. \$25,000 - \$29,999	1	8%
k. \$50,000 or more	6	50%
Total	12	100%

During the last year of your studies, how many hours a week did you work while attending classes? ▲	# of Responses	% of Responses
1 to 10	1	8%
11 to 20	3	25%
21 to 30	3	25%
More than 30	5	42%
Total	12	100%

If you answered "working" as your primary plans after graduation, was this position	# of Responses	% of Responses
hybrid	2	18%
in-person	7	64%
remote	2	18%
Total	11	100%

Did you take part in an internship, practicum, research or other experience related to your major and anticipated career?	# of Responses	% of Responses
		▼
Yes	7	58%
No	5	42%
Total	12	100%

If you answered Yes to the previous question, did that experience increase your ability to secure employment or employment offers?	# of Responses	% of Responses
Yes	7	100%
Total	7	100%

The following questions relate to information taught in courses you may have taken early in your academic career, such as English, math, social sciences, etc. While pursuing my degree at Marshall University...

My classes challenged me to analyze and evaluate issues and to solve real-world problems in a manner that is ethical and supportive of our civic well-being.	# of Responses	% of Responses
	▼	
b. Agree	6	50%
a. Strongly Agree	4	33%
c. Neutral	1	8%
e. Strongly Disagree	1	8%
Total	12	100%

I used knowledge from more than one area of study to explore issues or to solve problems.	# of Responses	% of Responses
a. Strongly Agree	7	58%
b. Agree	4	33%
c. Neutral	1	8%
Total	12	100%

I determined how to improve my own learning and to engage in lifelong learning.	# of Responses	% of Responses
	▼	
a. Strongly Agree	6	50%
b. Agree	5	42%
c. Neutral	1	8%
Total	12	100%

I learned to analyze my own values and to examine other viewpoints and credible evidence.	# of Responses	% of Responses
a. Strongly Agree	3	25%
b. Agree	8	67%
c. Neutral	1	8%
Total	12	100%

Writing intensive courses enhanced my learning experience.	# of Responses	% of Responses
	▲	
a. Strongly Agree	3	25%
b. Agree	4	33%
c. Neutral	3	25%
d. Disagree	1	8%
e. Strongly Disagree	1	8%
Total	12	100%

I learned to examine issues from multiple perspectives.	# of Responses	% of Responses
a. Strongly Agree	4	33%
b. Agree	7	58%
c. Neutral	1	8%
Total	12	100%

I developed multicultural and global perspectives.	# of Responses	% of Responses
	▼	
b. Agree	7	58%
c. Neutral	4	33%
d. Disagree	1	8%
Total	12	100%

I learned to use what I know to solve novel problems.	# of Responses	% of Responses
	▲	
a. Strongly Agree	5	42%
b. Agree	5	42%
c. Neutral	2	17%
Total	12	100%

The following questions relate to information taught in courses you may have taken early in your academic career, such as English, math, social sciences, etc. While pursuing my degree at Marshall University... CONT'D

I developed the ability to express myself effectively through speaking.	# of Responses	% of Responses
a. Strongly Agree	3	25%
b. Agree	4	33%
c. Neutral	4	33%
d. Disagree	1	8%
Total	12	100%

I learned to find scholarly information, to evaluate it critically and to use it effectively.	# of Responses	% of Responses
a. Strongly Agree	4	33%
b. Agree	8	67%
Total	12	100%

I used numerical information to explore real world problems.	# of Responses	% of Responses
a. Strongly Agree	5	42%
b. Agree	7	58%
Total	12	100%

I developed the ability to write effectively.	# of Responses	% of Responses
a. Strongly Agree	6	50%
b. Agree	5	42%
c. Neutral	1	8%
Total	12	100%

My capstone course, final degree project, or experience challenged me to do my best work.	# of Responses	% of Responses
b. Agree	6	50%
a. Strongly Agree	4	33%
c. Neutral	2	17%
Total	12	100%

I gained expertise in the use of software, programs, or technology important in my major field.	# of Responses	% of Responses
a. Strongly Agree	9	75%
b. Agree	3	25%
Total	12	100%

Now that I've completed my degree...

I believe that Marshall University's program in my major field is of high quality.	# of Responses	% of Responses
a. Strongly Agree	2	17%
b. Agree	7	58%
c. Neutral	2	17%
e. Strongly Disagree	1	8%
Total	12	100%

I would recommend Marshall to prospective students.	# of Responses	% of Responses
a. Strongly Agree	4	33%
b. Agree	5	42%
c. Neutral	2	17%
e. Strongly Disagree	1	8%
Total	12	100%

I feel adequately prepared for a career and/or graduate or professional study in my field.	# of Responses	% of Responses
a. Strongly Agree	3	25%
b. Agree	7	58%
c. Neutral	1	8%
d. Disagree	1	8%
Total	12	100%

I would recommend to others that they study the same program at Marshall.	# of Responses	% of Responses
b. Agree	8	67%
a. Strongly Agree	2	17%
c. Neutral	1	8%
e. Strongly Disagree	1	8%
Total	12	100%

Please rate your level of satisfaction with the quality of the following at Marshall.

Teaching	#	%
a. Very Satisfied	3	25%
b. Satisfied	8	67%
d. Dissatisfied	1	8%
Total	12	100%

Advising	#	%
a. Very Satisfied	4	33%
b. Satisfied	4	33%
c. Neutral	2	17%
d. Dissatisfied	1	8%
e. Very Dissatisfied	1	8%
Total	12	100%

Academic Support Services	#	%
a. Very Satisfied	2	18%
b. Satisfied	8	73%
c. Neutral	1	9%
Total	11	100%

Classroom/Lab Facilities (rate only if you have taken courses on the main campus or at another Marshall University location)	#	%
a. Very Satisfied	1	14%
b. Satisfied	4	57%
c. Neutral	2	29%
Total	7	100%

Online learning experience (rate only if you have taken online courses)	#	%
a. Very Satisfied	4	33%
b. Satisfied	3	25%
c. Neutral	3	25%
d. Dissatisfied	2	17%
Total	12	100%

College Satisfaction Questions... College of Engineering and Computer Science

How many SEMESTERS did you do engineering-related work as an intern or part time worker?	# of Responses	% of Responses
1	2	29%
3	2	29%
4	1	14%
more than 4 summers	2	29%
Total	7	100%

How many SUMMERS did you do engineering-related work as an intern or part time worker?	# of Responses	% of Responses
1	2	29%
2	2	29%
4	3	43%
Total	7	100%

Do you plan to take the Principles & Practice of Engineering (PE) Exam when eligible?	# of Responses	% of Responses
Maybe	1	8%
No	10	83%
Yes	1	8%
Total	12	100%

If you have firm post-graduation employment plans, what sector within engineering will you be working in?	# of Responses
Conservation	1
Cyber	1
Design	1
Software	1
Total	4

If you have firm post-graduation employment plans, what area(s) within engineering will you be working in?	# of Responses
Architecture and engineering	1
Cyber	1
Electrical, process, manufacturing, automation	1
Environmental	1
Software	1
Software Development	1
Total	6

College Satisfaction Questions Cont'd... College of Engineering and Computer Science

I am able to acquire and apply new knowledge as needed, using appropriate learning strategies.	# of Responses	% of Responses
▲		
a. Strongly Agree	3	30%
b. Agree	5	50%
c. Neutral	2	20%
Total	10	100%

I am able to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.	# of Responses	% of Responses
▲		
a. Strongly Agree	2	20%
b. Agree	6	60%
c. Neutral	2	20%
Total	10	100%

I am able to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.	# of Responses	% of Responses
▲		
a. Strongly Agree	3	30%
b. Agree	5	50%
c. Neutral	2	20%
Total	10	100%

I am satisfied with civil engineering faculty.	# of Responses	% of Responses
a. Very Satisfied	1	13%
b. Satisfied	3	38%
c. Neutral	4	50%
Total	8	100%

I am able to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.	# of Responses	% of Responses
▲		
a. Strongly Agree	3	30%
b. Agree	5	50%
c. Neutral	2	20%
Total	10	100%

I am able to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.	# of Responses	% of Responses
a. Strongly Agree	2	22%
b. Agree	5	56%
c. Neutral	2	22%
Total	9	100%

I am able to communicate effectively with a range of audiences.	# of Responses	% of Responses
▼		
b. Agree	5	50%
a. Strongly Agree	3	30%
c. Neutral	2	20%
Total	10	100%

Have you take and passed the Fundamentals of Engineering (FE) Exam?	# of Responses	% of Responses
▲		
Not yet taken	12	100%
Total	12	100%

I am able to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.	# of Responses	% of Responses
▲		
a. Strongly Agree	2	22%
b. Agree	4	44%
c. Neutral	3	33%
Total	9	100%

College Satisfaction Questions Cont'd... College of Engineering and Computer Science

I am satisfied with Marshall University's library services.	# of Responses	% of Responses
a. Very Satisfied	1	11%
b. Satisfied	4	44%
c. Neutral	4	44%
Total	9	100%

I am satisfied with Marshall University's student professional organizations (SAME, ASCE, etc.).	# of Responses	% of Responses
b. Satisfied	3	38%
c. Neutral	5	63%
Total	8	100%

I am satisfied with non-engineering staff (math, science, etc.)	# of Responses	% of Responses
a. Very Satisfied	1	11%
b. Satisfied	5	56%
c. Neutral	2	22%
d. Dissatisfied	1	11%
Total	9	100%

I am satisfied with the content of engineering courses.	# of Responses	% of Responses
a. Very Satisfied	1	11%
b. Satisfied	5	56%
c. Neutral	3	33%
Total	9	100%

I am satisfied with the content of non-engineering courses.	# of Responses	% of Responses
a. Very Satisfied	1	11%
b. Satisfied	5	56%
c. Neutral	3	33%
Total	9	100%

I am satisfied with the engineering laboratory facilities.	# of Responses	% of Responses
b. Satisfied	3	43%
c. Neutral	4	57%
Total	7	100%

I am satisfied with the grading and fairness of assignments and exams in civil engineering courses.	# of Responses	% of Responses
a. Very Satisfied	2	25%
b. Satisfied	2	25%
c. Neutral	4	50%
Total	8	100%

I am satisfied with the laboratory experience of engineering courses.	# of Responses	% of Responses
a. Very Satisfied	1	13%
b. Satisfied	3	38%
c. Neutral	4	50%
Total	8	100%

I am satisfied with the level of technical preparation to enter an engineering career.	# of Responses	% of Responses
a. Very Satisfied	1	10%
b. Satisfied	7	70%
c. Neutral	2	20%
Total	10	100%

College Satisfaction Questions Cont'd... College of Engineering and Computer Science

I am satisfied with the overall learning environment in Marshall's Engineering program.	# of Responses	% of Responses
a. Very Satisfied	1	10%
b. Satisfied	6	60%
c. Neutral	3	30%
Total	10	100%

I am satisfied with the quality of instruction I received in civil engineering courses.	# of Responses	% of Responses
a. Very Satisfied	1	11%
b. Satisfied	2	22%
c. Neutral	6	67%
Total	9	100%

I am satisfied with the textbook selection of engineering courses.	# of Responses	% of Responses
a. Very Satisfied	1	11%
b. Satisfied	4	44%
c. Neutral	4	44%
Total	9	100%

I am satisfied with engineering staff.	# of Responses	% of Responses
▲		
a. Very Satisfied	1	13%
b. Satisfied	4	50%
c. Neutral	3	38%
Total	8	100%

College Satisfaction Questions Cont'd... College of Engineering and Computer Science

What can we do to improve our classroom and/or laboratory instruction?

- Appoint more qualified instructors.
- It's fine
- learn the current tools that will prepare you for the job you want.
- Yes, more in-class and hands on work with the professor.

What can we do to improve our curriculum?

- Appoint more qualified heads of colleges and programs.
- Incorporate certifications into the curriculum
- more course offerings
- More real life projects

If you would not recommend your program to others, what are the reasons why?

- I had a lot of problems with communication in the online program.
- Tier 2 University.

What else can we do to improve our program?

- Have us work with softwares like Microsoft project
- I think a big problem with the program is that it is acedemically preparing you for work but it isn't practically preparing you for work.
- Implement an entry-test examination, do not allow anyone to take exams online.
- Take note of field related experts