

# Marshall University Student Satisfaction Survey 2023-2024 School Year Graduate Students College of Engineering

## Survey Timeline

### Summer 2023 Survey:

- Open Date – June 27, 2023
- Close Date – December 27, 2023

### Fall 2023 Survey:

- Open Date – October 24, 2023
- Close Date – May 4, 2024

### Spring 2024 Survey:

- Open Date – March 11, 2024
- Close Date – September 23, 2024

## Report Content

- Student Demographics and Experience Data
- University Academic Career Questions
- University Reflection Questions
- University Quality Questions: Teaching, Advising, Academic Support Services, Classroom/Lab Facilities, Online Learning
- College of Engineering Questions
  - Experiences and Outcomes
  - Satisfaction: Curriculum, Faculty, Laboratories, Skills Acquired, etc.
  - Write-In Feedback

## Student Demographics and Experience Data - Graduate Student Responses - Fall 2023 & Spring 2024

Upon graduation, what was the dollar amount of your educational loan indebtedness?	# of Responses	% of Responses
a. \$0/No indebtedness	5	50%
e. \$15,000 - \$19,999	1	10%
h. \$30,000 - \$34,999	1	10%
i. \$35,000 - \$39,999	1	10%
j. \$40,000 - \$44,999	1	10%
k. \$50,000 or more	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

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	10%
11 to 20	2	20%
21 to 30	1	10%
More than 30	5	50%
None	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

If you answered "working" as your primary plans after graduation, was this position	# of Responses	% of Responses
did not answer "working"	6	67%
hybrid	1	11%
in-person	1	11%
remote	1	11%
<b>Total</b>	<b>9</b>	<b>100%</b>

Did you take part in an internship, practicum or other structured work experience related to your major and anticipated career?	# of Responses	% of Responses
No	5	50%
Yes	5	50%
<b>Total</b>	<b>10</b>	<b>100%</b>

If you answered Yes to the previous question, did that experience increase your ability to secure employment or employment offers?	# of Responses	% of Responses
Insufficient information to answer this question	1	20%
Yes	4	80%
<b>Total</b>	<b>5</b>	<b>100%</b>

*Residence at time of Admission	# of Students	% of Students
In State	4	40%
Metro	1	10%
Out of State	5	50%
<b>Total</b>	<b>10</b>	<b>100%</b>

*Number of Semesters to Complete Degree	# of Students	% of Students
a. Less than 8	10	100%
<b>Total</b>	<b>10</b>	<b>100%</b>

*How did the student arrive at Marshall?	# of Students	% of Students
Originally enrolled and stayed	10	100%
<b>Total</b>	<b>10</b>	<b>100%</b>

\*Data compiled from Marshall University Institutional Research and Planning, not from survey responses.

**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
a. Strongly Agree	1	10%
b. Agree	8	80%
c. Neutral	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

I used knowledge from more than one area of study to explore issues or to solve problems.

	# of Responses	% of Responses
a. Strongly Agree	1	10%
b. Agree	8	80%
c. Neutral	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

I determined how to improve my own learning and to engage in lifelong learning.

	# of Responses	% of Responses
a. Strongly Agree	2	20%
b. Agree	7	70%
c. Neutral	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

I learned to analyze my own values and to examine other viewpoints and credible evidence.

	# of Responses	% of Responses
a. Strongly Agree	1	10%
b. Agree	6	60%
c. Neutral	3	30%
<b>Total</b>	<b>10</b>	<b>100%</b>

Writing intensive courses enhanced my learning experience.

	# of Responses	% of Responses
a. Strongly Agree	1	10%
b. Agree	5	50%
c. Neutral	3	30%
d. Disagree	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

I learned to examine issues from multiple perspectives.

	# of Responses	% of Responses
a. Strongly Agree	1	10%
b. Agree	8	80%
c. Neutral	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

I developed multicultural and global perspectives.

	# of Responses	% of Responses
a. Strongly Agree	1	10%
b. Agree	4	40%
c. Neutral	4	40%
d. Disagree	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

I learned to use what I know to solve novel problems.

	# of Responses	% of Responses
a. Strongly Agree	1	10%
b. Agree	6	60%
c. Neutral	2	20%
d. Disagree	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

**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	1	10%
b. Agree	7	70%
c. Neutral	2	20%
<b>Total</b>	<b>10</b>	<b>100%</b>

I developed the ability to write effectively.	# of Responses	% of Responses
a. Strongly Agree	1	10%
b. Agree	6	60%
c. Neutral	3	30%
<b>Total</b>	<b>10</b>	<b>100%</b>

I learned to find scholarly information, to evaluate it critically and to use it effectively.	# of Responses	% of Responses
a. Strongly Agree	1	10%
b. Agree	6	60%
c. Neutral	3	30%
<b>Total</b>	<b>10</b>	<b>100%</b>

My capstone course, final degree project, or experience challenged me to do my best work.	# of Responses	% of Responses
a. Strongly Agree	1	10%
b. Agree	6	60%
c. Neutral	2	20%
Not Applicable	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

I used numerical information to explore real world problems.	# of Responses	% of Responses
a. Strongly Agree	1	11%
b. Agree	5	56%
c. Neutral	3	33%
<b>Total</b>	<b>9</b>	<b>100%</b>

I gained expertise in the use of software, programs, or technology important in my major field.	# of Responses	% of Responses
a. Strongly Agree	2	20%
b. Agree	7	70%
c. Neutral	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

**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
b. Agree	6	60%
c. Neutral	3	30%
d. Disagree	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

I feel adequately prepared for a career and/or graduate or professional study in my field.	# of Responses	% of Responses
a. Strongly Agree	1	10%
b. Agree	6	60%
c. Neutral	2	20%
d. Disagree	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

I would recommend Marshall to prospective students.	# of Responses	% of Responses
b. Agree	7	70%
c. Neutral	3	30%
<b>Total</b>	<b>10</b>	<b>100%</b>

I would recommend to others that they study the same program at Marshall.	# of Responses	% of Responses
b. Agree	5	50%
c. Neutral	3	30%
d. Disagree	2	20%
<b>Total</b>	<b>10</b>	<b>100%</b>

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

Teaching	#	%
b. Satisfied	7	70%
c. Neutral	3	30%
<b>Total</b>	<b>10</b>	<b>100%</b>

Advising	#	%
b. Satisfied	4	40%
c. Neutral	4	40%
d. Dissatisfied	2	20%
<b>Total</b>	<b>10</b>	<b>100%</b>

Academic Support Services	#	%
a. Very Satisfied	1	11%
b. Satisfied	3	33%
c. Neutral	4	44%
d. Dissatisfied	1	11%
<b>Total</b>	<b>9</b>	<b>100%</b>

Classroom/Lab Facilities (rate only if you have taken courses on the main campus or at another Marshall location)	#	%
a. Very Satisfied	1	13%
b. Satisfied	6	75%
c. Neutral	1	13%
<b>Total</b>	<b>8</b>	<b>100%</b>

Online learning experience (rate only if you have taken online courses)	#	%
b. Satisfied	9	90%
c. Neutral	1	10%
<b>Total</b>	<b>10</b>	<b>100%</b>

## College of Engineering Experience and Outcome Questions - Graduate Student Responses - ASKED ONLY IN SPRING 2024

How many SEMESTERS did you do engineering-related work as an intern or part time worker?	# of Responses	% of Responses
1	1	100%
<b>Total</b>	<b>1</b>	<b>100%</b>

How many SUMMERS did you do engineering-related work as an intern or part time worker?	# of Responses	% of Responses
2	1	100%
<b>Total</b>	<b>1</b>	<b>100%</b>

Have you take and passed the Fundamentals of Engineering (FE) Exam?	# of Responses	% of Responses
Not yet taken	3	100%
<b>Total</b>	<b>3</b>	<b>100%</b>

Do you plan to take the Principles & Practice of Engineering (PE) Exam when eligible?	# of Responses	% of Responses
No	2	67%
Maybe	1	33%
<b>Total</b>	<b>3</b>	<b>100%</b>

If you have firm post-graduation employment plans, what area(s) within engineering will you be working in?	# of Responses
Data & Analytics	1
<b>Total</b>	<b>1</b>

If you have firm post-graduation employment plans, what sector within engineering will you be working in?	# of Responses
Private	1
<b>Total</b>	<b>1</b>

## College of Engineering Satisfaction Questions - Graduate Student Responses - ASKED ONLY IN SPRING 2024

I am able to acquire and apply new knowledge as needed, using appropriate learning strategies.	# of Responses	% of Responses
a. Strongly Agree	2	67%
b. Agree	1	33%
<b>Total</b>	<b>3</b>	<b>100%</b>

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	1	33%
b. Agree	2	67%
<b>Total</b>	<b>3</b>	<b>100%</b>

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	1	33%
b. Agree	2	67%
<b>Total</b>	<b>3</b>	<b>100%</b>

I am satisfied with civil engineering faculty.

	# of Responses	% of Responses
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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	1	33%
b. Agree	2	67%
<b>Total</b>	<b>3</b>	<b>100%</b>

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	1	50%
b. Agree	1	50%
<b>Total</b>	<b>2</b>	<b>100%</b>

I am able to communicate effectively with a range of audiences.	# of Responses	% of Responses
a. Strongly Agree	1	33%
b. Agree	2	67%
<b>Total</b>	<b>3</b>	<b>100%</b>

I am satisfied with engineering staff.	# of Responses	% of Responses
a. Very Satisfied	1	50%
b. Satisfied	1	50%
<b>Total</b>	<b>2</b>	<b>100%</b>

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	1	50%
b. Agree	1	50%
<b>Total</b>	<b>2</b>	<b>100%</b>

## College of Engineering Experience and Outcome Questions CONT'D - Graduate Student Responses - ASKED ONLY IN SPRING 2024

I am satisfied with Marshall University's library services.	# of Responses	% of Responses
b. Satisfied	1	100%
<b>Total</b>	<b>1</b>	<b>100%</b>

I am satisfied with the content of engineering courses.	# of Responses	% of Responses
a. Very Satisfied	1	50%
b. Satisfied	1	50%
<b>Total</b>	<b>2</b>	<b>100%</b>

I am satisfied with the engineering laboratory facilities.	# of Responses	% of Responses
a. Very Satisfied	1	100%
<b>Total</b>	<b>1</b>	<b>100%</b>

I am satisfied with Marshall University's student professional organizations (SAME, ASCE, etc.).	# of Responses	% of Responses
b. Satisfied	1	100%
<b>Total</b>	<b>1</b>	<b>100%</b>

I am satisfied with the content of non-engineering courses.	# of Responses	% of Responses
a. Very Satisfied	1	50%
b. Satisfied	1	50%
<b>Total</b>	<b>2</b>	<b>100%</b>

I am satisfied with the grading and fairness of assignments and exams in civil engineering courses.	# of Responses	% of Responses

I am satisfied with non-engineering staff (math, science, etc.)	# of Responses	% of Responses
a. Very Satisfied	1	33%
b. Satisfied	1	33%
c. Neutral	1	33%
<b>Total</b>	<b>3</b>	<b>100%</b>

I am satisfied with the level of technical preparation to enter an engineering career.	# of Responses	% of Responses
a. Very Satisfied	1	33%
b. Satisfied	1	33%
c. Neutral	1	33%
<b>Total</b>	<b>3</b>	<b>100%</b>

I am satisfied with the laboratory experience of engineering courses.	# of Responses	% of Responses
a. Very Satisfied	1	100%
<b>Total</b>	<b>1</b>	<b>100%</b>



## College of Engineering Write-in Questions - Graduate Student Responses - ASKED ONLY IN SPRING 2024

What deficiencies do you think exist in the BSE-CE or BSCE program?

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What can we do to improve our curriculum?

▲  
more online classes need to be available for online students

Offer more classes at 600+ Level.

Update some courses that have materials around 10 years old.

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

▲  
Monitor quality of materials/lectures/slides for consistency and clarity.

More projects throughout the courses.

What else can we do to improve our program?

▲  
Since they offer online degree program, more online classes need to be provided for this major