

Marshall University Student Satisfaction Survey 2023-2024 School Year Undergraduate 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 - Undergraduate 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	23	47%
b. Up to \$4,999	1	2%
c. \$5,000 - \$9,999	1	2%
d. \$10,000 - \$14,999	1	2%
e. \$15,000 - \$19,999	5	10%
f. \$20,000 - \$24,999	5	10%
g. \$25,000 - \$29,999	5	10%
h. \$30,000 - \$34,999	4	8%
i. \$35,000 - \$39,999	1	2%
j. \$40,000 - \$44,999	1	2%
k. \$50,000 or more	2	4%
Total	49	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	9	18%
11 to 20	13	27%
21 to 30	10	20%
More than 30	9	18%
None	8	16%
Total	49	100%

If you answered "working" as your primary plans after graduation, was this position	# of Responses	% of Responses
did not answer "working"	13	27%
hybrid	5	10%
in-person	27	56%
remote	3	6%
Total	48	100%

Did you take part in an internship, practicum or other structured work experience related to your major and anticipated career?	# of Responses	% of Responses
Yes	40	82%
No	9	18%
Total	49	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	36	90%
No	3	8%
Insufficient information to answer this question	1	3%
Total	40	100%

*Residence at time of Admission	# of Students	% of Students
In State	35	71%
Metro	7	14%
Out of State	7	14%
Total	49	100%

*Number of Semesters to Complete Degree	# of Students	% of Students
a. Less than 8	4	8%
b. 8	9	18%
c. 9 to 10	9	18%
d. 11 to 12	17	35%
e. 13 to 20	9	18%
f. More than 20	1	2%
Total	49	100%

*How did the student arrive at Marshall?	# of Students	% of Students
Originally enrolled and stayed	41	84%
Transferred from a 2-year institution	1	2%
Transferred from a 4-year institution	7	14%
Total	49	100%

*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	15	31%
b. Agree	32	65%
c. Neutral	1	2%
d. Disagree	1	2%
Total	49	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	18	37%
b. Agree	28	57%
c. Neutral	3	6%
Total	49	100%

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

	# of Responses	% of Responses
a. Strongly Agree	15	31%
b. Agree	33	67%
c. Neutral	1	2%
Total	49	100%

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

	# of Responses	% of Responses
a. Strongly Agree	16	33%
b. Agree	30	61%
c. Neutral	3	6%
Total	49	100%

Writing intensive courses enhanced my learning experience.

	# of Responses	% of Responses
a. Strongly Agree	8	16%
b. Agree	25	51%
c. Neutral	10	20%
d. Disagree	5	10%
e. Strongly Disagree	1	2%
Total	49	100%

I learned to examine issues from multiple perspectives.

	# of Responses	% of Responses
a. Strongly Agree	14	29%
b. Agree	30	61%
c. Neutral	5	10%
Total	49	100%

I developed multicultural and global perspectives.

	# of Responses	% of Responses
a. Strongly Agree	10	20%
b. Agree	29	59%
c. Neutral	7	14%
d. Disagree	3	6%
Total	49	100%

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

	# of Responses	% of Responses
a. Strongly Agree	14	29%
b. Agree	29	60%
c. Neutral	5	10%
Total	48	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	13	27%
b. Agree	31	65%
c. Neutral	3	6%
d. Disagree	1	2%
Total	48	100%

I developed the ability to write effectively.	# of Responses	% of Responses
a. Strongly Agree	14	29%
b. Agree	30	61%
c. Neutral	4	8%
d. Disagree	1	2%
Total	49	100%

I learned to find scholarly information, to evaluate it critically and to use it effectively.	# of Responses	% of Responses
a. Strongly Agree	13	27%
b. Agree	33	67%
c. Neutral	3	6%
Total	49	100%

My capstone course, final degree project, or experience challenged me to do my best work.	# of Responses	% of Responses
a. Strongly Agree	18	37%
b. Agree	27	55%
c. Neutral	4	8%
Total	49	100%

I used numerical information to explore real world problems.	# of Responses	% of Responses
a. Strongly Agree	14	29%
b. Agree	29	59%
c. Neutral	3	6%
d. Disagree	3	6%
Total	49	100%

I gained expertise in the use of software, programs, or technology important in my major field.	# of Responses	% of Responses
a. Strongly Agree	18	37%
b. Agree	30	61%
c. Neutral	1	2%
Total	49	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	13	27%
b. Agree	26	53%
c. Neutral	5	10%
d. Disagree	5	10%
Total	49	100%

I feel adequately prepared for a career and/or graduate or professional study in my field.	# of Responses	% of Responses
a. Strongly Agree	9	18%
b. Agree	33	67%
c. Neutral	5	10%
d. Disagree	2	4%
Total	49	100%

I would recommend Marshall to prospective students.	# of Responses	% of Responses
a. Strongly Agree	16	33%
b. Agree	27	55%
c. Neutral	6	12%
Total	49	100%

I would recommend to others that they study the same program at Marshall.	# of Responses	% of Responses
a. Strongly Agree	16	33%
b. Agree	24	49%
c. Neutral	6	12%
d. Disagree	3	6%
Total	49	100%

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

Teaching	#	%
a. Very Satisfied	11	23%
b. Satisfied	24	50%
c. Neutral	11	23%
d. Dissatisfied	2	4%
Total	48	100%

Advising	#	%
a. Very Satisfied	10	21%
b. Satisfied	25	52%
c. Neutral	8	17%
d. Dissatisfied	4	8%
e. Very Dissatisfied	1	2%
Total	48	100%

Academic Support Services	#	%
a. Very Satisfied	9	19%
b. Satisfied	22	46%
c. Neutral	17	35%
Total	48	100%

Classroom/Lab Facilities (rate only if you have taken courses on the main campus or at another Marshall location)	#	%
a. Very Satisfied	11	23%
b. Satisfied	26	54%
c. Neutral	9	19%
d. Dissatisfied	2	4%
Total	48	100%

Online learning experience (rate only if you have taken online courses)	#	%
a. Very Satisfied	5	11%
b. Satisfied	21	45%
c. Neutral	15	32%
d. Dissatisfied	4	9%
e. Very Dissatisfied	2	4%
Total	47	100%

College of Engineering Experience and Outcome Questions - Undergraduate 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	10	38%
2	6	23%
3	3	12%
4	4	15%
more than 4 summers	3	12%
Total	26	100%

How many SUMMERS did you do engineering-related work as an intern or part time worker?	# of Responses	% of Responses
1	11	41%
2	11	41%
3	4	15%
4	1	4%
Total	27	100%

Have you take and passed the Fundamentals of Engineering (FE) Exam?	# of Responses	% of Responses
Not yet taken	28	85%
Taken and passed	5	15%
Total	33	100%

Do you plan to take the Principles & Practice of Engineering (PE) Exam when eligible?	# of Responses	% of Responses
Yes	13	39%
No	11	33%
Maybe	9	27%
Total	33	100%

If you have firm post-graduation employment plans, what area(s) within engineering will you be working in?	# of Responses
n/a	4
Geotechnical	2
Transportation	2
Civil Engineering	1
Civil/Structual	1
Hydrology and Hydraulic Engineering	1
Industry/ steel making	1
Mechanical	1
No	1
Project Management/ Construction	1
Structural engineering	1
Total	16

If you have firm post-graduation employment plans, what sector within engineering will you be working in?	# of Responses
n/a	4
Civil	2
Civil Works Construction	1
Design	1
Government	1
Industry	1
Private	1
Public & Private Works	1
Total	12

College of Engineering Satisfaction Questions - Undergraduate 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	11	39%
b. Agree	12	43%
c. Neutral	5	18%
Total	28	100%

I am satisfied with civil engineering faculty.

	# of Responses	% of Responses
a. Very Satisfied	11	39%
b. Satisfied	3	11%
c. Neutral	14	50%
Total	28	100%

I am able to communicate effectively with a range of audiences.

	# of Responses	% of Responses
a. Strongly Agree	10	36%
b. Agree	12	43%
c. Neutral	6	21%
Total	28	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	11	39%
b. Agree	11	39%
c. Neutral	6	21%
Total	28	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	10	36%
b. Agree	13	46%
c. Neutral	5	18%
Total	28	100%

I am satisfied with engineering staff.

	# of Responses	% of Responses
a. Very Satisfied	11	39%
b. Satisfied	9	32%
c. Neutral	8	29%
Total	28	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	10	36%
b. Agree	12	43%
c. Neutral	6	21%
Total	28	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	9	32%
b. Agree	9	32%
c. Neutral	9	32%
d. Disagree	1	4%
Total	28	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	10	36%
b. Agree	10	36%
c. Neutral	8	29%
Total	28	100%

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

I am satisfied with Marshall University's library services.	# of Responses	% of Responses
a. Very Satisfied	4	14%
b. Satisfied	10	36%
c. Neutral	14	50%
Total	28	100%

I am satisfied with Marshall University's student professional organizations (SAME, ASCE, etc.).	# of Responses	% of Responses
a. Very Satisfied	5	18%
b. Satisfied	11	39%
c. Neutral	11	39%
e. Very Dissatisfied	1	4%
Total	28	100%

I am satisfied with non-engineering staff (math, science, etc.)	# of Responses	% of Responses
a. Very Satisfied	3	11%
b. Satisfied	12	43%
c. Neutral	8	29%
d. Dissatisfied	2	7%
e. Very Dissatisfied	3	11%
Total	28	100%

I am satisfied with the content of engineering courses.	# of Responses	% of Responses
a. Very Satisfied	9	32%
b. Satisfied	10	36%
c. Neutral	9	32%
Total	28	100%

I am satisfied with the content of non-engineering courses.	# of Responses	% of Responses
a. Very Satisfied	5	18%
b. Satisfied	9	32%
c. Neutral	13	46%
d. Dissatisfied	1	4%
Total	28	100%

I am satisfied with the level of technical preparation to enter an engineering career.	# of Responses	% of Responses
a. Very Satisfied	7	23%
b. Satisfied	14	47%
c. Neutral	8	27%
d. Dissatisfied	1	3%
Total	30	100%

I am satisfied with the engineering laboratory facilities.	# of Responses	% of Responses
a. Very Satisfied	8	29%
b. Satisfied	11	39%
c. Neutral	8	29%
d. Dissatisfied	1	4%
Total	28	100%

I am satisfied with the grading and fairness of assignments and exams in civil engineering courses.	# of Responses	% of Responses
a. Very Satisfied	8	29%
b. Satisfied	6	21%
c. Neutral	14	50%
Total	28	100%

I am satisfied with the laboratory experience of engineering courses.	# of Responses	% of Responses
a. Very Satisfied	9	32%
b. Satisfied	8	29%
c. Neutral	9	32%
d. Dissatisfied	1	4%
e. Very Dissatisfied	1	4%
Total	28	100%

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

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

A high workload

I am in the BSME program, but I think internal issues between previous and current administration within my department deter the current administration from making good progress and changes for students.

I believe the capstone class needs more overall guidance.

I don't know what that word means.

I think capstones should involve all disciplines of engineering working together. I believe that if we did this, we'd be able to come up with some cool projects and learn a lot.

Implementation of techniques taught through various classes

It is weird we still have to have critical thinking courses when all engineering is critical thinking, like I had to take a theater class why would I have to take classes like that for Engineering

Lack of utilization of the software and programs learned

N/A

None

Not enough elective options to choose from

Office career education is making me fill this out on the spot do I feel rushed. We need make lab equipment and staff

Unknown

What can we do to improve our curriculum?

"Recommend" courses/material rather than hard-locking courses through pre-requisites that can delay graduations for slightly non-traditional students. Make Metallurgy a technical elective; use technical electives to create "concentrations" as an option within the major (Energy, Power, MDM, HVAC, FEA/CFD, etc.)

Adopt engineering specific math and science classes taught for engineers by engineers

Having mandatory co-ops in the curriculum would be helpful in gaining experience.

Increase the number of classes being offered so students can specialize in a specific type of civil engineering (for example: specialize in environmental by taking all environmental elective courses).

Make sure content is up to date for technology fields

Making sure professors have a better grasp on presenting and educating students

More real world examples, less theoretical

More software and programming could be used through the course of the degree to keep skills sharp and continue developing them

More tech electives and more lab equipment

N/A

Not sure

Offer more classes per semester

Split capstone into a two semester class

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

Have labs more often so that we don't do things once or twice and then forget how to perform the tasks because we aren't in there practicing them often.

More lab equipment

More utilization of softwares.

N/A

Not sure

Nothing.

Professors with more real-world and practical experience who can teach application along with theory are strongly needed.

See real world projects more

Unknown

What else can we do to improve our program?

As I stated in the previous answer field, I think there needs to be a bigger push to continue to use the various softwares that are introduced to us. Often, we use a specific software once in a class and we will never need it again. Continuing use of these softwares in projects or homework assignments will help us master them.

Ask students what we want to earn

More practical experience

Not sure

Nothing.

Offering more elective courses

Re-structure or combine freshman and some sophomore engineering courses to better use the students' time and let them get a better feel for engineering material.