



Marshall University Graduation Survey Report

*College of Science*

*Academic Year 2018 – 2019*

**Q1 - Please indicate your level of satisfaction with these elements of your experience in the Geology Program.**

#	Question	Very Satisfied	Satisfied	Neutral	Dissatisfied	Very Dissatisfied	Total
1	Quality of faculty (teaching effectiveness)	0.00% 0	66.67% 2	33.33% 1	0.00% 0	0.00% 0	3
2	Quality of facilities	0.00% 0	66.67% 2	33.33% 1	0.00% 0	0.00% 0	3
3	Fairness and effectiveness of methods of evaluation for students' performance in coursework	0.00% 0	33.33% 1	33.33% 1	0.00% 0	33.33% 1	3
4	Availability and effectiveness of faculty for advising	0.00% 0	33.33% 1	66.67% 2	0.00% 0	0.00% 0	3
5	Flexibility/relevance of curriculum for specific career tasks	0.00% 0	0.00% 0	66.67% 2	33.33% 1	0.00% 0	3
6	Availability of necessary courses in order to complete degree requirements	33.33% 1	33.33% 1	33.33% 1	0.00% 0	0.00% 0	3
7	Development of critical thinking skills	0.00% 0	66.67% 2	33.33% 1	0.00% 0	0.00% 0	3
8	Development of writing skills in the discipline	0.00% 0	100.00% 3	0.00% 0	0.00% 0	0.00% 0	3
9	The college/department is	0.00% 0	0.00% 0	33.33% 1	66.67% 2	0.00% 0	3

	equally supportive of women and men											
10	The college/department is equally supportive of all racial/ethnic groups	0.00%	0	66.67%	2	0.00%	0	33.33%	1	0.00%	0	3

**Q2 - Please indicate your level of satisfaction with these elements of your experience in the Physics or Physical Science Program.**

#	Question	Very Satisfied	Satisfied	Neutral	Dissatisfied	Very Dissatisfied	Total			
1	The required courses in my major were valuable and relevant and have provided the basic knowledge necessary to advance to the next state in my career.	100.00%	1	0.00%	0	0.00%	0	0.00%	0	1
2	The professors in Physics and Physical Science were knowledgeable and competent.	100.00%	1	0.00%	0	0.00%	0	0.00%	0	1
3	The professors in Physics and Physical Science in both lab and lecture courses were accessible and helpful.	100.00%	1	0.00%	0	0.00%	0	0.00%	0	1
4	The physics labs were valuable in improving my understanding of concepts; in developing experimental skills; including the lab use of computers and improving my writing skills.	100.00%	1	0.00%	0	0.00%	0	0.00%	0	1
5	The attitude of professors in the Physics and Physical Science Department towards minorities/women/white males was fair and free of prejudice.	100.00%	1	0.00%	0	0.00%	0	0.00%	0	1

6	The courses in the major have helped me develop my thinking and analytical abilities.	100.00 %	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	1
7	Required courses for my major still gave me the opportunity to take other classes that seemed interesting and beneficial.	100.00 %	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	1
8	I would recommend MU to a friend who wished to major in Physics.	100.00 %	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	1
9	The labs were well-equipped so that there were few problems with too little or broken equipment.	100.00 %	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	1
10	The courses in the Physics Department have helped me to develop my thinking and analytical abilities.	100.00 %	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	1

**Q3 - Please indicate your level of satisfaction with these elements of your experience in the Biological Sciences Program.**

#	Question	Very Satisfied		Satisfied		Neutral		Dissatisfied		Very Dissatisfied		Total
1	The required courses in BSC were valuable and relevant preparation for advancing to the next stage of my career.	25.64%	10	66.67%	26	2.56%	1	5.13%	2	0.00%	0	39
2	There was a sufficient number and variety of elective courses in the Biological Science curriculum.	17.95%	7	38.46%	15	10.26%	4	23.08%	9	10.26%	4	39
3	BSC courses encourage	30.77%	12	58.97%	23	5.13%	2	5.13%	2	0.00%	0	39

	thinking and analytic skills.											
4	BSC courses promote improved communication skills.	20.51%	8	38.46%	15	28.21%	11	12.82%	5	0.00%	0	39
5	BSC program provides adequate experience with and use of computers.	21.05%	8	18.42%	7	26.32%	10	28.95%	11	5.26%	2	38
6	Courses in BSC effectively integrate modern research activities with more traditional material.	15.38%	6	41.03%	16	25.64%	10	7.69%	3	10.26%	4	39
7	Lab activities for BSC were relevant and important to the development of difficult concepts.	17.95%	7	41.03%	16	12.82%	5	20.51%	8	7.69%	3	39
8	Lab activities for BSC courses provided active student involvement and participation for the development for the basic technical skills.	23.08%	9	38.46%	15	15.38%	6	23.08%	9	0.00%	0	39
9	Members of the BSC faculty appeared to be competent and knowledgeable in their fields.	33.33%	13	58.97%	23	5.13%	2	2.56%	1	0.00%	0	39
10	Members of the BSC faculty appeared to be fair and unbiased towards students regardless of race, gender, age and/or disability.	51.28%	20	41.03%	16	7.69%	3	0.00%	0	0.00%	0	39
11	Members of the BSC faculty were generally	46.15%	18	38.46%	15	10.26%	4	5.13%	2	0.00%	0	39

	accessible and friendly.											
12	I would recommend Marshall University to a friend who wished to major in Biological Science.	35.90%	14	56.41%	22	5.13%	2	0.00%	0	2.56%	1	39

**Q4 - Please indicate your level of satisfaction with these elements of your experience in the Chemistry Program.**

#	Question	Very Satisfied	Satisfied	Neutral	Dissatisfied	Very Dissatisfied	Total
1	There were sufficient number and variety of elective courses in the Chemistry curriculum.	20.00% 2	20.00% 2	20.00% 2	30.00% 3	10.00% 1	10
2	Chemistry courses encourage thinking and analytic skills.	50.00% 5	40.00% 4	10.00% 1	0.00% 0	0.00% 0	10
3	Chemistry courses promote improved communication skills.	20.00% 2	40.00% 4	30.00% 3	10.00% 1	0.00% 0	10
4	Chemistry program provides adequate experience with and use of computers.	10.00% 1	60.00% 6	20.00% 2	10.00% 1	0.00% 0	10
5	Lab activities for Chemistry courses were relevant and important to the development of difficult concepts.	40.00% 4	50.00% 5	10.00% 1	0.00% 0	0.00% 0	10
6	Lab activities for Chemistry courses provided active student involvement and participation for the development for the basic technical skills.	80.00% 8	20.00% 2	0.00% 0	0.00% 0	0.00% 0	10
7	Members of the Chemistry faculty appeared to be competent and	60.00% 6	40.00% 4	0.00% 0	0.00% 0	0.00% 0	10

	knowledgeable in their fields.											
8	Members of the Chemistry faculty appeared to be fair and unbiased towards students regardless of race, gender, age and/or disability.	70.00%	7	30.00%	3	0.00%	0	0.00%	0	0.00%	0	10
9	Members of the Chemistry faculty were generally accessible and friendly.	40.00%	4	60.00%	6	0.00%	0	0.00%	0	0.00%	0	10
10	I would recommend Marshall University to a friend who wished to major in Chemistry.	60.00%	6	30.00%	3	10.00%	1	0.00%	0	0.00%	0	10

**Q5 - Please indicate your level of satisfaction with these elements of your experience in the College of Science:**

#	Question	Very Satisfied		Satisfied		Neutral		Dissatisfied		Very Dissatisfied		Total
1	Availability and quality of academic advising	31.31%	31	29.29%	29	24.24%	24	10.10%	10	5.05%	5	99
2	Availability of courses	16.16%	16	43.43%	43	17.17%	17	12.12%	12	11.11%	11	99
3	Responsiveness to students with special needs	18.18%	18	32.32%	32	44.44%	44	2.02%	2	3.03%	3	99
4	Professionalism/Scholarship of faculty	31.31%	31	53.54%	53	12.12%	12	2.02%	2	1.01%	1	99
5	Development of critical thinking skills	39.39%	39	46.46%	46	11.11%	11	2.02%	2	1.01%	1	99

### Q6 - Family Status

#	Answer	%	Count
4	Single, with children	2.08%	2
3	Single, no children	90.63%	87
2	Married, with children	1.04%	1
1	Married, no children	6.25%	6
	Total	100%	96

### Q7 - Residence at time of admission

#	Answer	%	Count
1	In-State	76.84%	73
2	Metro	6.32%	6
3	Out-of-State	16.84%	16
	Total	100%	95

### Q8 - Number of semesters enrolled to complete your degree (Note: One semester is equal to fall, spring, or summer, resulting in the potential for three semesters in one year)

#	Answer	%	Count
1	Fewer than 8 semesters	16.67%	16
2	8 semesters	34.38%	33
3	9 semesters	25.00%	24
4	10 semesters	12.50%	12
5	11 semesters	3.13%	3
6	12 semesters	3.13%	3
7	13 semesters	1.04%	1
8	14 semesters	1.04%	1

9	15 semesters	1.04%	1
10	16 semesters	1.04%	1
11	17 semesters	0.00%	0
12	18 semesters	0.00%	0
13	19 semesters	1.04%	1
14	20 semesters	0.00%	0
15	More than 20 semesters	0.00%	0
	Total	100%	96

### Q9 - While pursuing your degree, did you

#	Answer	%	Count
1	Originally enroll and stay at Marshall	80.21%	77
2	Transfer from a 2-year institution or community college	5.21%	5
3	Transfer from another 4-year institution	14.58%	14
	Total	100%	96

### Q10 - During the last year of your studies, how many hours a week did you work while attending classes?

#	Answer	%	Count
1	None	18.75%	18
2	1 - 10	23.96%	23
3	11 - 20	26.04%	25
4	21 - 30	18.75%	18
5	More than 30	12.50%	12
	Total	100%	96



**Q11 - Which of the following best describes your educational objective while attending Marshall University?**

#	Answer	%	Count
1	Begin my first career	85.42%	82
2	Advance in current career	4.17%	4
3	Change career	3.13%	3
4	Non-career objective	7.29%	7
	Total	100%	96

**Q12 - Upon graduation, what was the dollar amount of your educational loan indebtedness?**

#	Answer	%	Count
1	No indebtedness	36.84%	35
2	Up to \$4,999	6.32%	6
3	\$5,000 - \$9,999	3.16%	3
4	\$10,000 - \$14,999	2.11%	2
5	\$15,000 - \$19,999	6.32%	6
6	\$20,000 - \$24,999	10.53%	10
7	\$25,000 - \$29,999	11.58%	11
8	\$30,000 - \$34,999	7.37%	7
9	\$35,000 - \$39,999	4.21%	4
10	\$40,000 - \$44,999	2.11%	2
11	\$45,000 - \$49,999	3.16%	3
12	\$50,000 or more	6.32%	6
	Total	100%	95

**Q13 - Did you take part in an internship, practicum or other structured work experience related to your major and anticipated career?**

#	Answer	%	Count
1	Yes	59.38%	57
2	No	40.63%	39
	Total	100%	96

**Q14 - If you answered "yes" to the previous question, did that experience increase your ability to secure employment or employment offers?**

#	Answer	%	Count
1	Yes	52.63%	30
2	No	14.04%	8
3	Insufficient information to answer this question	33.33%	19
	Total	100%	57

**Q15 - While pursuing my degree at Marshall University**

#	Question	Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	Total
1	I developed the ability to write effectively.	39.36% 37	44.68% 42	8.51% 8	4.26% 4	3.19% 3	94
2	I used numerical information to explore real world problems.	28.72% 27	48.94% 46	18.09% 17	4.26% 4	0.00% 0	94
3	I learned to evaluate information critically and to use it effectively.	39.36% 37	53.19% 50	6.38% 6	1.06% 1	0.00% 0	94
4	I gained expertise in the use of technology	27.66% 26	48.94% 46	9.57% 9	9.57% 9	4.26% 4	94

	important in my field of study.											
5	I acquired sufficient skills and knowledge to prepare for career-related positions.	28.72%	27	54.26%	51	11.70%	11	4.26%	4	1.06%	1	94
6	I developed the ability to express myself effectively through speaking.	32.98%	31	42.55%	40	19.15%	18	4.26%	4	1.06%	1	94
7	I developed multicultural and global perspectives.	30.85%	29	41.49%	39	19.15%	18	5.32%	5	3.19%	3	94
8	Writing intensive courses helped me to improve my writing skills.	26.60%	25	42.55%	40	10.64%	10	14.89%	14	5.32%	5	94
9	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.	36.17%	34	48.94%	46	6.38%	6	5.32%	5	3.19%	3	94
10	I broadened my appreciation for the arts.	24.47%	23	39.36%	37	22.34%	21	9.57%	9	4.26%	4	94
11	My capstone course challenged me to do my best work.	48.94%	46	29.79%	28	12.77%	12	5.32%	5	3.19%	3	94
12	I learned to examine issues from multiple perspectives.	45.74%	43	44.68%	42	5.32%	5	3.19%	3	1.06%	1	94
13	I learned to use what I know to solve novel problems.	29.79%	28	55.32%	52	8.51%	8	4.26%	4	2.13%	2	94
14	I learned to assess my own values and to examine other viewpoints and credible evidence.	38.30%	36	53.19%	50	4.26%	4	2.13%	2	2.13%	2	94
15	I determined how to improve my own learning and to engage in lifelong learning.	37.23%	35	55.32%	52	4.26%	4	2.13%	2	1.06%	1	94

16	I used knowledge from more than one area of study to explore issues or to solve problems.	38.30%	36	54.26%	51	5.32%	5	1.06%	1	1.06%	1	94
17	Writing Intensive courses enhanced my learning experience.	21.28%	20	37.23%	35	15.96%	15	10.64%	10	14.89%	14	94

**Q16 - Now that I have completed my degree,**

#	Question	Strongly Agree		Agree		Neither Agree nor Disagree		Disagree		Strongly Disagree		Total
1	I feel adequately prepared for a career and/or graduate or professional study in my major field.	27.66%	26	53.19%	50	11.70%	11	4.26%	4	3.19%	3	94
2	I believe that Marshall University's program in my major field is of high quality.	28.72%	27	45.74%	43	13.83%	13	7.45%	7	4.26%	4	94
3	I would recommend to others that they study the same program at Marshall.	37.23%	35	39.36%	37	12.77%	12	5.32%	5	5.32%	5	94
4	I would recommend Marshall to prospective students.	39.36%	37	45.74%	43	9.57%	9	3.19%	3	2.13%	2	94

**Q17 - Please rate your level of satisfaction with the quality of the following at Marshall:**

#	Question	Very Satisfied		Satisfied		Neutral		Dissatisfied		Very Dissatisfied		Total
1	Teaching	32.98%	31	53.19%	50	10.64%	10	2.13%	2	1.06%	1	94
2	Advising	23.40%	22	23.40%	22	25.53%	24	19.15%	18	8.51%	8	94
3	Academic Support Services	27.66%	26	35.11%	33	29.79%	28	5.32%	5	2.13%	2	94
4	Classroom/Lab Facilities	20.21%	19	41.49%	39	18.09%	17	15.96%	15	4.26%	4	94

**Q18 - Which of the following will BEST describe your status after graduation. Please select only ONE of the following categories.**

#	Answer	%	Count
1	Attend graduate school-I have been accepted	17.20%	16
2	Currently applying to graduate programs	30.11%	28
3	Complete additional undergraduate coursework	2.15%	2
4	Continue to work at the same job I have at present	1.08%	1
5	Work for a private sector company or corporation in a position related to my field of study.	8.60%	8
6	Work for a private sector company or corporation in a position NOT related to my field of study.	1.08%	1
7	Work for a local, state, or federal agency in a position related to my field of study.	16.13%	15
8	Work for a local, state, or federal agency in a position NOT related to my field of study.	2.15%	2
9	Work for a non-profit organization, e.g. hospital, university, public school, etc. in a position related to my field of study.	2.15%	2
10	Work for a non-profit organization, e.g. hospital, university, public school, etc. in a position NOT related to my field of study.	1.08%	1
11	Work for a volunteer or service organization, e.g. Peace Corps, AmeriCorps, City Year, etc.	2.15%	2
12	Begin my own business	0.00%	0
13	Enter the military	3.23%	3
14	Undecided or no plans	12.90%	12

**Q19 - If your PRIMARY status after graduation will be to enroll in further education, please provide the following information:**

**Name of Institution you will attend.**

Marshall University

Possibly, Nova South Eastern

Marshall University

Marshall University Joan C. Edwards School of Medicine

University of Nebraska

Marshall University

Marshall University

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Marshall University

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Marshall University Joan C. Edwards School of Medicine

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Marshall University

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West Virginia University School of Pharmacy

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Marshall University School of Pharmacy

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Marshall University School of Pharmacy

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Kentucky College of Osteopathic Medicine

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Marshall University

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Purdue University

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Marshall University

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Marshall University Joan C. Edwards Medical School

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Lincoln Memorial College of Osteopathic Medicine

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Marshall University

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Marshall University School of Pharmacy

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Mountwest Community College

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West Virginia University School of Medicine

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Meharry Medical College

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West Virginia University

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West Virginia University School of Medicine

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West Virginia University School of Dentistry

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North Carolina State University

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West Virginia University

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University of Tennessee- Health Science Center

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Marshall University Joan C. Edwards School of Medicine

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West Virginia University

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Marshall University

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## Q20 - Program of Study

Biomedical Research

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Dentistry

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Medicine

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Medicine

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Biology

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Chemistry

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Criminal Justice

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Criminal Justice

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Medicine

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Veterinary medicine

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Medicine

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Accelerated Bachelor of Science in Nursing

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Pharmacy

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Pharmacy

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Pharmacy

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Osteopathic Medicine

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Medical Science

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Veterinary Medicine

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Forensic Science

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Osteopathic Medicine

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Criminal Justice

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Pharmacy

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Deaf Studies

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Osteopathic Medicine

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Medicine

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Pharmacy

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Medicine

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Dentistry

Forensic Anthropology

Epidemiology

Pharmacy

Medicine

Biostatistics

Biomedical Sciences

**Q21 - Degree you will be pursuing when you begin further study following your upcoming graduation from Marshall.**

#	Answer	%	Count
1	Associate's Degree	0.00%	0
2	Bachelor's Degree	2.50%	1
3	Master's Degree	30.00%	12
4	Education Specialist (EdS)	0.00%	0
5	Doctor of Education (EdD)	0.00%	0
6	Doctor of Philosophy (PhD)	0.00%	0
7	Doctor of Medicine (MD)	27.50%	11
8	Doctor of Osteopathic Medicine (DO)	10.00%	4
9	Doctor of Physical Therapy (DPT)	0.00%	0
10	Doctor of Pharmacy (PharmD)	15.00%	6
11	Doctor of Law (JD)	0.00%	0
12	Doctor of Management Practice in Nurse Anesthesia (DMPNA)	0.00%	0
13	Doctor of Psychology (PsyD)	0.00%	0
14	Doctor of Audiology (AudD)	0.00%	0
15	Doctor of Optometry (OD)	0.00%	0
16	Doctor of Veterinary Medicine (DVM)	5.00%	2
17	Other (Please specify)	10.00%	4
	Total	100%	40



Q21\_17\_TEXT - Other (Please specify)

DDS

A year-long certificate

Doctor of Dentistry (DDS)

Doctor of Science

Q22 - If you will be employed after graduation, will your employment be

#	Answer	%	Count
1	Full-Time (on average 30 hours per week or more)	100.00%	29
2	Part-Time (on average, less than 30 hours per week)	0.00%	0
	Total	100%	29

Q23 - Employing Organization

Kroger

Logan County Board of Education

State of West Virginia

National Institutes of Health

Logan County Schools

Environmental Regulatory Management

United States Army Corps of Engineers

Children's Home Society of West Virginia

West Virginia State Police Crime Lab

Cru

Federal Bureau of Investigations

Cru

United States Army Corps of Engineers

Core10

Marshall University

## Q24 - Job Title

Pharmacy Technician
Teacher
Grant Assessor
Postbaccalaureate Intramural Research Trainee
Secondary Education Teacher
Environmental Consultant
Biologist
Evidence Technician 1
Intern
Professional Staff
Campus Ministry Staff
Natural Resource Specialist
Software Developer
Program Assistant I

## Q25 - If you have accepted employment, what will be your starting salary?

#	Answer	%	Count
1	\$10,000 or less	0.00%	0
2	\$10,001 - \$15,000	4.76%	1
3	\$15,001 - \$20,000	4.76%	1
4	\$20,001 - \$25,000	9.52%	2
5	\$25,001 - \$30,000	0.00%	0
6	\$30,001 - \$35,000	4.76%	1
7	\$35,001 - \$40,000	14.29%	3
8	\$40,001 - \$45,000	4.76%	1
9	\$45,001 - \$50,000	0.00%	0
10	\$50,001 - \$55,000	4.76%	1
11	\$55,001 - \$60,000	0.00%	0

12	\$60,001 - \$65,000	0.00%	0
13	\$65,001 - \$70,000	0.00%	0
14	\$70,001 - \$75,000	0.00%	0
15	\$75,001 - \$80,000	0.00%	0
16	\$80,001 - \$85,000	0.00%	0
17	\$85,001 - \$90,000	0.00%	0
18	\$90,001 - \$95,000	0.00%	0
19	\$95,001 - \$100,000	0.00%	0
20	More than \$100,000	0.00%	0
21	I have not yet accepted employment	52.38%	11
	Total	100%	21

**Q26 - If you will have a guaranteed first-year bonus, what will this amount be in U. S. dollars?**

2000

42000

Unknown

**Q27 - If your PRIMARY status after graduation will be to work for a volunteer or service organization, please provide the following information:**

**Organization**

Peace Corps

AmeriCorps

**Q28 - Role or Title**

Public Health Facilitator

**Q29 - If your PRIMARY status after graduation will be to enter the military, please provide the following information:**

**Service Branch**

#	Answer	%	Count
1	Army	33.33%	1
2	Navy	0.00%	0
3	Marine Corps	0.00%	0
4	Air Force	66.67%	2
5	Coast Guard	0.00%	0
	Total	100%	3

**Q30 - Rank**

O1
O2
E4

**Q31 - Did you use Career Services to help you with your career path?**

#	Answer	%	Count
1	Yes	29.03%	27
2	No	70.97%	66
	Total	100%	93

**Q32 - If you answered "yes" to the previous question, please indicate all services used.**

#	Answer	%	Count
1	Marshall JobTrax	23.46%	19
2	Resume assistance	28.40%	23
3	Career Advising	7.41%	6
4	Mock Interviewing	9.88%	8
5	On-campus recruitment event	7.41%	6
6	Career Fair	18.52%	15
7	Other	4.94%	4
	Total	100%	81

**Other**

Note: Career Services was not knowledgeable enough about my field to be able to help in any meaningful way.

Class Presentation

**Degree**

#	Answer	%	Count
1	BA	19.63%	21
2	BS	77.57%	83
3	BSC	0.93%	1
4	CER	0.93%	1
5	Certif	0.93%	1
	Total	100%	107

## Major

#	Answer	%	Count
1	SB10	40.19%	43
2	SC10	0.93%	1
3	SC20	0.93%	1
4	SC50	2.80%	3
5	SC60	3.74%	4
6	SC70	0.93%	1
7	SC80	1.87%	2
8	SE10	6.54%	7
9	SG20	2.80%	3
10	SI20	4.67%	5
11	SI30	0.93%	1
12	SI40	5.61%	6
13	SJ20	19.63%	21
14	SM30	2.80%	3
15	SN10	1.87%	2
16	SP10	1.87%	2
17	SX00	1.87%	2
	Total	100%	107

## Major2

#	Answer	%	Count
1	LM40	14.29%	1
2	LM60	14.29%	1
3	LP20	14.29%	1
4	SC60	14.29%	1
5	SM30	28.57%	2
6	SM40	14.29%	1
	Total	100%	7





