

Appendix

Alumni Survey

Department of Mathematics, Computer Science and
Management Information Systems

Please circle your answers

What was your status when entering college?

1. Directly from High School
2. Transfer from Community College
3. Transfer from 4-year Institution
4. Nontraditional student
(Entered college after working, returning to college after raising a family, etc...)

In a typical week, how many hours per week were you employed during the academic year?

1. None
2. 1-5 hours
3. 6-10 hours
4. 11-15 hours
5. 16-20 hours
6. 20 or more hours

In a typical week, how many hours per week were you involved in extra-curricular activities during the academic year?

1. None
2. 1-5 hours
3. 6-10 hours
4. 11-15 hours
5. 16-20 hours
6. 20 or more hours

What degrees/certifications have you earned?

(Choose all that apply)

1. BA
2. Teaching credential
3. CNE
4. MA
5. MBA
6. M.D.
7. J.D.
8. Ph.D.
9. I am currently in graduate school
10. Other (specify)_____

Questions about the Department:

	Very Much Enhanced	Much Enhanced	Enhanced	Not Enhanced	Not Applicable	
						Please tell us if your departmental course work enhanced your abilities in the listed areas:
1	2	3	4	5		Think analytically and logically
1	2	3	4	5		Write effectively in the discipline
1	2	3	4	5		Develop intellectual curiosity and a desire for life long learning
1	2	3	4	5		Effective oral communication
1	2	3	4	5		Use of a computer
1	2	3	4	5		Solve problems
1	2	3	4	5		Integrate knowledge from many sources

Values:

	Very Much Enhanced	Much Enhanced	Enhanced	Not Enhanced	Not Applicable	
						The following are values that people may hold. Indicate how much you think that your college experience enhanced these values.
1	2	3	4	5		A strong commitment to Christ
1	2	3	4	5		Engaging in a life of service to society
1	2	3	4	5		Demonstrating a sensitivity toward and concern for others
1	2	3	4	5		Affirming the equality of all people
1	2	3	4	5		Taking action on moral and ethical issues

If you went to graduate school, how many years after leaving PLNC/PLNU did you begin graduate school?

1. Started immediately after graduation
2. 1 year
3. 2 years
4. 3-5 years
5. 6-10 years

Please answer the questions that pertain to your career and educational choices:

Outstanding Well OK Poorly Very Poorly Not Applicable	1 2 3 4 5 6	If you have a major in Computer Science:
		How well did the undergraduate curriculum at PLNU prepare you for work in the field?
		How well did the undergraduate curriculum at PLNU prepare you for graduate school?
		How well did the undergraduate curriculum at PLNU prepare you for teaching?

Outstanding Well OK Poorly Very Poorly Not Applicable	1 2 3 4 5 6	If you have a major in Management Information Systems:
		How well did the undergraduate curriculum at PLNU prepare you for work in the field?
		How well did the undergraduate curriculum at PLNU prepare you for graduate school?
		How well did the undergraduate curriculum at PLNU prepare you for teaching?

Outstanding Well OK Poorly Very Poorly Not Applicable	1 2 3 4 5 6	If you have a major in Mathematics:
		How well did the undergraduate curriculum at PLNU prepare you for work in the field?
		How well did the undergraduate curriculum at PLNU prepare you for graduate school?
		How well did the undergraduate curriculum at PLNU prepare you for teaching?

Employment Questions:

What is your current employment status?

1. I am currently employed full-time
2. I am currently employed part-time
3. I was employed after leaving college but am currently not employed and looking for work
4. I was employed after leaving college but am currently not employed and not looking for work
5. I was employed but have chosen to stay home
6. I never was employed after leaving college

What category best describes your current job?

1. Computer industry
2. Business (not in a computer related job)
3. Teaching
4. Industrial mathematics
(mathematician, actuary, etc.)
5. Other (specify)_____

Which statement best describes how you regard your current job?

1. Job with little career potential
2. Job with possible career potential
3. Job with increasing career potential
4. Job with career potential realized
5. Other (specify)_____

Open Ended Questions:

1. What skills learned and courses taken in the Math/CS/MIS department were particularly helpful once you entered the working world?
2. What skills or courses do you wish that the Math/CS/MIS department had offered?
3. Is there anything else that you would like to tell us?

The following demographic questions will help us build meaningful analysis of the data. The data from these questions will only be used in aggregate reports. Individual identity will be kept confidential.

When did you enter PC/PLC/PLNC/PLNU?

1. Prior to 1960
2. 1960-64
3. 1965-69
4. 1970-74
5. 1975-79
6. 1980-84
7. 1985-89
8. 1990-94
9. 1995-99

When was your Bachelor's degree completed?

1. Prior to 1960
2. 1960-64
3. 1965-69
4. 1970-74
5. 1975-79
6. 1980-84
7. 1985-89
8. 1990-94
9. 1995-99
10. 2000-04

Major (choose all that apply)

1. Computer Science
2. Management Information Systems
3. Mathematics

Gender

1. Male
2. Female

**Thanks for your help in our evaluation.
The information will be kept confidential.**

Alumni Survey Data

ID	What was your status when entering college?	employed during the academic year?	extra-curricular activities during	1. BA	2. Teaching credential	3. CNE	4. MA	5. MBA	6. M.D.	7. J.D.	8. Ph.D.	9. I am currently in graduate school	Other	Questions about the Department:	Think analytically and logically
1	2	2	3	1	1	0	1	0	0	0	0	0			2
2	2	5	2	1	1	0	0	0	0	0	0	1			2
3	2	4	1	1	0	0	0	0	0	0	0	0			2
4	1	1	3	1	0	0	0	0	0	0	0	0			2
5	1	4	2	1	0	0	0	0	0	0	0	0			3
6	1	6	1	1	0	0	0	0	0	0	0	0			2
7	1	3	3	1	0	0	0	1	0	0	0	0			2
8	1	3	2	0	0	0	1	0	0	0	0	0			1
9	1	3	3	1	0	0	0	0	0	0	0	1			1
10	2	4	2	1	0	0	0	0	0	0	0	0			3
11	1	3	3	1	0	0	1	0	0	0	1	0			1
12	1	5	2	1	0	0	0	0	0	0	0	0			3
13	1	2	1	1	0	0	1	0	0	0	1	0			1
14	1	5	2	1	0	0	0	0	0	0	0	0			2
15	3	4	3	1	0	0	0	0	0	0	0	0			2
16	1	2	3	1	0	0	0	0	0	0	0	1	MS		1
17	3	4	2	1	0	0	0	0	0	0	0	0			2
18	4	4	3	1	1	0	0	0	0	0	0	0			3
19	1	2	1	1	0	0	0	0	0	0	0	0			1
20	1	3	5	1	0	0	1	0	0	0	0	0			1
21	1	6	2	1	0	0	0	0	0	0	0	0			2
22	1	5	2	1	0	0	0	0	0	0	0	1			2
23	1	5	4	1	0	0	1	0	0	0	0	0			2
24	1	2	2	1	0	0	1	0	0	0	0	0			1
25	1	3	2	1	1	0	0	0	0	0	0	0	MAT in teaching		1
26	1	6	2	1	0	0	0	0	0	0	0	0			3
27	4	3	2	1	1	0	0	0	0	0	0	0			1
28	2	4	2	1	0	0	1	0	0	0	0	0			3
29	1	1	2	1	0	0	0	0	1	0	0	0			1

ID	What was your status when entering college?	employed during the academic year?	extra-curricular activities during	1. BA	2. Teaching credential	3. CNE	4. MA	5. MBA	6. M.D.	7. J.D.	8. Ph.D.	9. I am currently in graduate school	Other	Questions about the Department	Think analytically and logically
30	4	5	2	1	0	0	0	0	0	0	0	0			1
31	3	6	3	1	0	0	0	0	0	0	0	0			1
32	1	3	3	1	0	0	0	0	0	0	0	1			2
33	1	5	2	1	1	0	1	0	0	0	0	0			1
34	1	4	3	1	0	0	1	0	0	0	0	0			1
35	4	4	2	1	0	0	0	0	0	0	0	0			3
36	1	5	2	1	0	0	0	0	0	0	0	0			2
37	1	2	4	1	0	0	0	0	0	0	0	0			1
38	1	5	2	1	1	0	1	0	0	0	0	0			3
39	2	3	2	1	0	0	0	0	0	0	0	1			1
40	4	6	2	1	0	0	0	1	0	0	0	0			3
41	1	5	2	1	0	0	0	0	0	0	0	0	MS		2
42	1	1	3	1	1	0	0	0	0	0	0	0			1
43	2	3	1	1	0	0	1	0	0	0	0	0			1
44	1	5	1	1	0	0	0	0	0	0	0	0			3
45	1	5	2	1	0	0	0	0	0	0	0	0			2
46	2	1	1	1	0	0	0	0	0	0	0	0			1
47	1	3	2	1	1	0	0	0	0	0	0	0			3
48	3	2	5	1	0	0	0	0	0	0	0	0			3
49	1	6	1	1	1	0	1	0	0	0	0	0			1
50	1	3	3	1	0	0	0	0	0	0	0	1			3
51	1	2	5	1	1	0	0	0	0	0	0	0			2
52	1	5	2	1	0	0	0	0	0	0	0	0			3
53	1	3	2	1	0	0	0	0	0	0	0	0			2
54	1	2	2	1	1	0	0	0	0	0	0	0			3
55	1	2	2	1	1	0	0	0	0	0	0	0			1
56	1	4	2	1	0	0	0	0	0	0	0	0			2

Write effectively in the discipline	Develop intellectual curiosity	Effective oral communication	Use of a computer	Solve problems	Integrate knowledge from many sources	Values:	A strong commitment to Christ	Engaging in a life of service to society	Demonstrating a sensitivity toward and concern for others	Affirming the equality of all people	Taking action on moral and ethical issues	If you went to graduate school,	C.S.	work in the field?	graduate school?
2	2	4	3	2	3		3	3	3	3	3	4			
3	1	4	3	1	3		1	3	1	3	4	3			
3	3	4	2	2	2		1	2	2	3	2	.		2	6
3	3	4	2	3	3		3	3	3	4	3	.			
3	3	3	3	2	3		2	3	3	4	3	.		3	6
3	3	4	3	2	3		2	3	3	4	3	.		3	6
3	2	3	1	1	2		2	2	3	3	2	4		2	2
2	2	3	5	1	4		1	2	3	3	4	1			
3	2	1	1	2	2		3	3	3	3	4	1			
3	3	3	1	2	1		3	3	2	2	2	.		3	6
2	1	2	3	1	3		2	2	3	3	3	1			
1	2	3	3	2	2		3	4	3	3	3	.			
4	3	4	2	1	3		3	3	3	3	3	2		6	6
4	2	4	1	2	3		1	1	3	3	2	.		2	2
2	2	3	2	2	2		1	2	2	3	3	.		2	6
3	2	3	2	1	3		1	1	2	3	3	1			
4	3	3	3	1	3		1	2	2	3	1	.			
1	1	3	2	2	2		3	1	2	1	3	.			
3	3	3	1	1	3		3	4	4	4	4	.		2	6
3	3	4	5	2	2		1	3	2	2	3	2			
3	2	3	1	2	2		3	3	3	3	3	.		3	6
4	3	3	2	2	2		2	3	3	3	2	1			
3	2	2	5	2	3		3	1	1	1	1	1			
1	1	1	1	1	1		1	2	2	1	3	.		6	6
4	3	4	2	1	3		2	2	2	2	2	3			
3	4	4	3	3	3		4	3	3	3	3	.			
1	1	3	1	1	2		1	1	1	1	1	.			
4	3	4	3	3	3		2	4	3	3	3	1			
4	3	4	4	2	3		3	3	3	3	3	4			

Write effectively in the discipline	Develop intellectual curiosity	Effective oral communication	Use of a computer	Solve problems	Integrate knowledge from many sources	Values:	A strong commitment to Christ	Engaging in a life of service to society	Demonstrating a sensitivity toward and concern for others	Affirming the equality of all people	Taking action on moral and ethical issues	If you went to graduate school,	C.S.	work in the field?	graduate school?
1	1	3	1	1	1		2	1	2	3	1	.		1	6
1	2	2	1	1	1		1	2	1	2	1	.		2	2
3	3	3	1	1	1		3	4	4	4	4	4		1	3
2	1	2	3	2	2		1	1	1	1	1	1			
2	1	3	1	1	1		2	3	4	4	2	5			
4	4	4	5	3	5		3	3	3	3	3	.		6	6
3	2	4	2	3	4		3	3	3	3	3	.			
5	1	5	1	1	4		3	4	3	3	4	.		2	6
3	3	2	5	2	3		2	2	3	3	3	.			
3	2	3	1	1	1		3	3	2	2	3	.			
4	3	4	1	1	1		3	3	3	3	2	.		2	3
3	3	4	5	3	4		2	2	2	2	3	.			
4	2	4	3	2	3		2	3	1	3	3	.			
2	1	3	4	1	3		3	4	2	3	2	.			
4	4	4	3	2	2		4	4	4	4	3	.		3	6
4	3	4	1	2	3		2	4	4	3	3	.		3	6
2	1	2	3	2	3		5	2	3	2	3	.			
3	3	3	2	3	3		2	3	2	4	3	.			
3	4	2	3	3	4		4	3	2	4	3	.			
2	2	3	2	1	2		2	2	3	2	3	.			
4	2	3	3	3	3		2	2	2	3	3	.		3	3
4	4	4	1	2	3		1	2	2	4	4	.		2	6
4	2	4	3	2	2		2	4	4	4	4	.			
3	1	3	2	2	3		2	3	3	3	3	.			
4	3	4	2		4		2	2	2	2	2	.			
3	2	4	1	2	3		1	1	1	1	1	.		6	6
3	1	3	2	2	2		2	3	2	3	3	.			

teaching?	MIS	work in the field?	graduate school?	teaching?	Math	work in the field?	graduate school?	teaching?	C.S.	work in the field?	graduate school?	teaching?	MIS	work in the field?	graduate school?
6										1	.	.			
2										2	2	2			
6										1	3	.			
						2	2	2							
						2	2	6							
6						3	6	6		.	.	.			
		3	6	6										3	.
6		2	6	6						2	.	.		2	.
						2	2	2							
		3	1	2										3	1
2										2	3	2			
						3	5	4							
						2	6	1							
						3	1	3							
6										3	.	.			
6										3	.	.			
						4	1	3							
						2	6	2							
						2	2	1							
3										3	3	3			
4										2	.	4			
						3	6	6							
						2	6	2							
						2	6	2							
6		6	6	6		6	6	1	
						3	3	3							

teaching?	Math	work in the field?	graduate school?	teaching?	current employment status?	current job?	Other	how you regard your current job?	When did you enter PC/PLC/PLNC/PLNU?	When was your Bachelor's degree completed?	Major	1. Computer Science	2. Management Information Systems	3. Mathematics	Gender
		2	3	2	1	5	school principal	4	6	7		0	0	1	1
		3	3	3	1	3		2	9	10		0	0	1	2
					5	5	Domestic Engineering								
		3	3	2	1	5	Military	3	9	10		0	0	1	1
		3			1	1		2	9	10		1	0	1	1
					1	1		3	6	7		1	0	0	1
					1	1		3	6	7		1	0	0	1
		1	1	1	4	5	Retired Math Professor	5	1	1		0	0	1	1
		2	2	2		3	Hard	5	9	10		0	0	1	2
					1	5	research-ophthalmic surgery	1	10	10		1	0	0	1
		2	2	2	1	4		4	4	5		0	0	1	1
		2		2	1	5	Airline/Customer Service	4	9	10		0	0	1	1
		2	2		1	5	Applied Physics-optics	3	3	4		0	0	1	1
					1	1		2	9	10		1	0	0	1
					1	1		1	9	10		1	0	0	2
			3	2	1	5	Grad. School	3	9	10		0	0	1	1
		2		3	1	2		2	5	6		0	0	1	1
		2		1	1	3		4	7	8		0	0	1	1
		2			2	1		4	6	6		1	0	1	1
		1		1	1	3		3	3	4		0	0	1	1
					1	1		3	8	9		1	0	0	1
			1	2	1	1		3	4	5		0	0	1	1
		4	3	3	4	3	Retired	5	1	1		0	0	1	2
				1	1	3		5							
		2	2	2	1	3		1	8	9		0	0	1	2
					1	1		4	8	9		0	0	1	2
		1		1	1	3		4	8	9		0	0	1	2
		2		2	1	3		5	3	4		0	0	1	2
					1	5	Burn Surgeon	3	3	4		0	0	1	2

teaching?	Math	work in the field?	graduate school?	teaching?	current employment status?	current job?	Other	how you regard your current job?	When did you enter PC/PLC/PLNC/PLNU?	When was your Bachelor's degree completed?	Major	1. Computer Science	2. Management Information Systems	3. Mathematics	Gender
					1	1		4	9	10		1	0	0	2
					1	5	Inf. Tech. for SYSCO Foods	3	4	5		1	0	0	1
					3	1		5	6	7		1	0	0	1
		2	2	2	4	5	Retirement		1	2		0	0	1	1
		2	2	.	1	5	Airline Pilot	4	4	5		0	0	1	1
		3	.	.		5	Retired		1	1		0	0	1	1
.					1	1		3	9	10		0	1	0	2
.					5	5	Homemaker								
		2	2	2	1	3		4	1	2		0	0	1	2
2					1	1		3	8	8		0	1	0	1
					1	1		3	9	9		1	0	0	1
		3	5	4	2	3		4	1	2		0	0	1	1
		2	.	1	1	5	Higher Ed. Admin.	4							
		3	1	3	1	1		4	9	9		0	0	1	1
					2	1		4	7	8		1	1	0	1
					1	5	Medical Products	3	9	10		1	0	0	1
		4	1	3	2	5	Property Management	1	6	8		0	0	1	2
		2	.	2	2	3		3	9	10		0	0	1	2
					1	2		3	6	9					1
		2	2	1	2	3		4							
					1	5	Research in CS	3	9	10		1	0	0	1
					5	5	At-home Mom		6	7		1	0	0	2
		3	.	.	1	1		4	5	6		0	0	1	1
		2	.	2	6				9	10		0	0	1	2
		2	.	2	1	3		1	4	5		0	0	1	2
.		.	.	1	1	3		3	5	6		0	0	1	2
		3	3	3	1	1		1	9	10		0	0	1	1

ETS Field Tests Results:

Computer Science

	Score	Percentile
<i>Department Average</i>	<i>159.5</i>	<i>83</i>

Assessment Indicator Scores:

Programming Fundamentals	65.4	83
Computer Org/Arch/Oper Sys	40.9	83
Alg/Theory/Comp Math	42.9	54

**Management Information Systems
(CS Test Taken)**

	Score	Percentile
<i>Department Average</i>	<i>142</i>	<i>38</i>

Assessment Indicator Scores:

Programming Fundamentals	40.8	33
Computer Org/Arch/Oper Sys	26.3	33
Alg/Theory/Comp Math	32.2	33

Mathematics

	Score	Percentile
<i>Department Average</i>	<i>169</i>	<i>93</i>

Assessment Indicator Scores:

Calculus	45.9	91
Algebra	56.6	90
Routine	62.6	95
Non-routine	32.5	92
Applied	49.9	84

Department Mission Statement and Goals

December 9, 2003

PLNU Mission Statement: Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service becomes an expression of faith. Being of Wesleyan heritage, we aspire to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

PLNU Core Values: The school fleshes out this mission statement in eight core values:

- Excellence in teaching and learning
- An intentionally Christian community
- Faithfulness to our Nazarene heritage and Wesleyan theological tradition
- The development of students as whole persons
- A global perspective and experience
- Ethnic and cultural diversity
- The stewardship of resources
- Service as an expression of faith

As part of updating its assessment process, the Mathematics and Computer Science Department has refined its mission statement and goals to align with new university statements.

Department Mission Statement: The Mathematics and Computer Science Department at Point Loma Nazarene University is committed to maintaining a curriculum that provides its students with the tools to be productive, the passion to continue learning, and Christian perspectives to provide a basis for making sound value judgments.

Department Goals: The goals of the Department of Mathematics and Computer Science are:

1. To prepare students for:
 - careers that use mathematics, computer science and management information systems in business, industry or government.
 - graduate study in fields related to mathematics, computer science and management information systems.
 - teaching mathematics and computer science at the secondary level.
2. To prepare students to apply their knowledge and utilize appropriate technology to solve problems.
3. To educate students to speak and write about their work with precision, clarity and organization.
4. To help students gain an understanding of, and appreciation for, the historical development, contemporary progress, and societal role of mathematics, information systems and computer science.
5. To integrate the study of mathematics, information systems and computer science with the Christian liberal arts.
6. To provide appropriate mathematical, information systems and computer educational support for any major area of study in this university.

Learning Outcomes Assessment

COMPUTER SCIENCE MAJOR

Outcome #1 (Teach): *Graduates will have a coherent and broad-based knowledge of the discipline of computing.*

Means of assessment: Require students to take the ETS Major Field Test in Computer Science as the mid-term exam for the capstone course, Computer Science 481, Senior Seminar in Computer Science.

Criteria of success: 50% of our students achieve above the 25th percentile on the exam.

Outcome #2 (Shape): *Students will be prepared to give an oral technical presentation and a written summary of a topic in their field.*

Means of Assessment: Each student will be required to give a 20-minute oral presentation and a four page written summary of a topic in their field as a part of their participation in the Senior Seminar in Computer Science. The audience for this talk will include department faculty, fellow students and possibly some alumni. The students will be given the evaluation criteria in advance of their presentation and will be rated by the faculty using a rubric with a scale of 1 (outstanding) to 3 (unsatisfactory) in the following areas:

- Overall Content:
 - Technical information
 - Depth of information
 - Command of background material
- Oral Presentation:
 - Organization
 - Use of presentation tools
 - Notation
 - Exposition
 - Ability to field questions from the audience
- Written Summary:
 - Organization
 - Grammar and spelling
 - Notation
 - Clarity of writing
 - Bibliography and other supporting documentation

Criteria of Success: 80% of the students should have an average score of at least 2 in each of the major areas.

Outcome #3 (Send): *Computer Science graduates will be adequately prepared for entry into graduate school or jobs in the computing profession.*

Means of assessment: Alumni will be surveyed every five years. They will be asked at least the following questions:

1. If you have a job in Computer Science: On a scale of 1 to 5, 1 being outstanding and 5 being poor, how well do you think that the undergraduate Computer Science curriculum at PLNU prepared you for your work in the field?
2. If you are going to graduate school or went to graduate school: On a scale of 1 to 5, 1 being outstanding and 5 being poor, how well do you think that the undergraduate Computer Science curriculum at PLNU prepared you for graduate school?

Criteria of success: An average response of 2 for each question.

MATHEMATICS MAJOR

Outcome #1 (Teach): *Graduates will have a coherent and broad-based knowledge of the discipline of Mathematics.*

Means of assessment: Require students to take the ETS Major Field Test in Mathematics as the mid-term exam for the capstone course, Mathematics 481, Senior Seminar in Mathematics.

Criteria of success: 50% of our students achieve above the 25th percentile on the exam.

Outcome #2 (Shape): *Students will be prepared to give an oral technical presentation and a written summary of a topic in their field.*

Means of Assessment: Each student will be required to give a 20-minute oral presentation and a four page written summary of a topic in their field as a part of their participation in the Senior Seminar in Mathematics. The audience for this talk will include department faculty, fellow students and possibly some alumni. The students will be given the evaluation criteria in advance of their presentation and will be rated by the faculty using a rubric with a scale of 1 (outstanding) to 3 (unsatisfactory) in the following areas:

- Overall Content:
 - Technical information
 - Depth of information
 - Command of background material
- Oral Presentation:
 - Organization
 - Use of presentation tools
 - Notation
 - Exposition
 - Ability to field questions from the audience
- Written Summary:
 - Organization
 - Grammar and spelling
 - Notation
 - Clarity of writing
 - Bibliography and other supporting documentation

Criteria of Success: 80% of the students should have an average score of at least 2 in each of the major areas.

Outcome #3 (Send): *Mathematics graduates will be adequately prepared for graduate study, teaching and careers using Mathematics.*

Means of assessment: Alumni will be surveyed every five years. They will be asked at least the following questions:

1. If you have a job in industry: On a scale of 1 to 5, 1 being outstanding and 5 being poor, how well do you think that the undergraduate Mathematics curriculum at PLNU prepared you for your work in the field?
2. If you are going to graduate school or went to graduate school: On a scale of 1 to 5, 1 being outstanding and 5 being poor, how well do you think that the undergraduate Mathematics curriculum at PLNU prepared you for graduate school?
3. If you are in a teaching credential program or working as a teacher: On a scale of 1 to 5, 1 being outstanding and 5 being poor, how well do you think that the undergraduate Mathematics curriculum at PLNU prepared you for teaching?

Criteria of success: An average response of 2 for each question.

INFORMATION SYSTEMS MAJOR

Outcome #1 (Teach): *Graduates will have a coherent and broad-based knowledge of the discipline of Information Systems.*

Means of assessment: Require students to take the ETS Major Field Test in Computer Science as the mid-term exam in IS 481, Senior Seminar in Information Systems.

Criteria of success: 50% of our students achieve above the 25th percentile on the exam.

Outcome #2 (Shape): *Students will be prepared to give a written summary of a topic in their field.*

Means of Assessment: Each student will be required to give a 20-minute oral presentation and a four page written summary of a topic in their field as a part of their participation in the Senior Seminar in Information Systems. The audience for this talk will include department faculty, fellow students and possibly some alumni. The students will be given the evaluation criteria in advance of their presentation and will be rated by the faculty using a rubric with a scale of 1 (outstanding) to 3 (unsatisfactory) in the following areas:

- Overall Content:
 - Technical information
 - Depth of information
 - Command of background material
- Oral Presentation:
 - Organization
 - Use of presentation tools
 - Notation
 - Exposition
 - Ability to field questions from the audience
- Written Summary:
 - Organization
 - Grammar and spelling
 - Notation
 - Clarity of writing
 - Bibliography and other supporting documentation

Criteria of Success: 80% of the students should have an average score of at least 2 in each of the two main areas.

Outcome #3 (Send): *Management Information Systems graduates will be adequately prepared for entry into the information systems profession.*

Means of assessment: Alumni will be surveyed every five years. They will be asked at least the following question:

1. If you have a job in computer science: On a scale of 1 to 5, 1 being outstanding and 5 being poor, how well do you think that the undergraduate Management Information Systems curriculum at PLNU prepared you for your work in the field?

Criteria of success: An average response of 2.