



Department of Civil Engineering and Surveying
University of Puerto Rico
Mayagüez Campus



ALUMNI SURVEY

Year 2002

Name: _____ **Stu. No:** _____ **Age** _____

Address: _____

Home Ph: _____ **Work Ph:** _____ **Fax:** _____ **Email:** _____

Marital Status: ___ Single ___ Married ___ Divorced ___ Widower **Gender:** ___ Male ___ Female

Program Studied: ___ Civil Engineering ___ Surveying & Topography

Graduation GPA: ___ 3.50 – 4.00 ___ 3.00 – 3.49 ___ 2.50 – 2.99 ___ 2.00 – 2.49

Are you planning to pursue a graduate degree in the future? ___ Yes ___ No

Have you been already accepted to a graduate school? ___ Yes ___ No

If yes: Program ___ Master ___ PhD ___ Other (_____)

University _____ Accepted _____

Are you presently employed? ___ Yes ___ No

Which one better describes your initiatives for finding your current job?

No. of interviews: ___ 0 ___ 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ More

Job offers: ___ 0 ___ 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ More

No. of offers: ___ Puerto Rico ___ USA ___ Other

Already employed: ___ Yes ___ No

Company name: _____

Company location: _____

Principal area of work:

___ Structures

___ Construction

___ Environmental

___ Surveying/Topography

___ Materials

___ Transportation

___ Geotechnical

___ Multidisciplinary

___ Other (Specify: _____)

Work at: ___ Government ___ Industry

___ Consulting Firm ___ University

Annual Salary: \$ _____ (Per Year)

Have not worked in Civil Engineering: _____ Reason: _____

Which one better describes your Professional Licensure (EIT/PE) status?

Graduation Date: Month _____ Year _____

Took EIT Exam: ___ Yes ___ No **Date:** _____ **Approved:** ___ Yes ___ No

Took PE Exam: ___ Yes ___ No **Date:** _____ **Approved:** ___ Yes ___ No

Applied for License at Board of Examiners: ___ Yes ___ No **Date:** _____

Applied for License at **CIAPR:** ___ Yes ___ No **Date:** _____

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ALUMNI SURVEY (continued)

Evaluation of Fulfillment of the Profile for the Civil Engineering Graduate

Instructions: Based on your employment experience, use the following scale to indicate your assessment of your performance after graduation:

- 1 - Very dissatisfied 2 – Dissatisfied 3 – Satisfied 4 - Somewhat more than satisfied**
5 - Expectations surpassed N/A – Not Applicable or Not Able to Answer

	More < == Satisfaction == >Less					N/A
	5	4	3	2	1	
1. Can you understand and apply the following knowledge?						
a. Mathematics (through differential calculus)						
b. Probability and Statistics						
c. General chemistry						
d. Calculus based physics						
e. Other sciences						
2. Are you proficient in the following major civil engineering areas?						
a. Structures and Materials						
b. Geotechnical						
c. Environmental						
d. Water Resources						
e. Transportation						
f. Construction Management						
3. Can you conduct laboratory experiments and critically analyze and interpret data in the following areas?						
a. Structures and Materials						
b. Geotechnical						
c. Environmental						
d. Water Resources						
e. Transportation						
f. Construction Management						
4. Can you design civil engineering systems, components, or processes by means of design experiences gained throughout the professional content of the curriculum?						
a. Systems						
b. Components						
c. Processes						
5. Which of the following skills, tools and techniques needed for civil engineering practice are you proficient in?						
a. Oral communication skills in Spanish						
b. Written communication skills in Spanish						
c. Oral communication skills in English						
d. Written communication skills in English						

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	5	4	3	2	1	N/A
e. Drawing skills for communicating engineering ideas						
f. Use of computers, internet, word processing, spreadsheet, database programs						
g. Probability and statistics						
h. Computer programming						
i. Participation in professional organizations						
j. Professional laws, regulations and ethics codes						
k. Application of computer professional programs to solve civil engineering problems						
l. Knowledge of how to obtain information on laws, regulations and construction codes affecting the practice of civil engineering.						
m. Stress management						
n. Values						
o. Coordinatio / Meeting skills						
p. Critical thinking						
6. Can you work in a collaborative multi-disciplinary professional work group assuming the following roles when needed?						
a. Leader						
b. Follower						
c. Parliamentarian						
d. Time-manager						
e. Recorder (note-taker)						
7. Can you:						
a. Identify civil engineering problems?						
b. Formulate civil engineering problems?						
c. Solve civil engineering problems?						
8. Can you understand professional practice and ethical responsibility issues such as:						
a. Procurement of work.						
b. Bidding versus quality – based selection processes.						
c. How the design and construction professionals interact to construct a project.						
d. The importance of professional licensure and continuing education.						
e. Other professional, social, and moral issues						
9. Do you feel you have the broad education necessary to understand the impact of engineering solutions on contemporary issues such as:						
a. Health						
b. General welfare						
c. Safety						
d. Environmental quality						
e. Economy in a global/societal context						
10. Are you committed to engage in lifelong learning throughout all of your professional life?						
a. Continuing education courses						
b. Undergraduate level courses in addition to degree						

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	5	4	3	2	1	N/A
c. Graduate courses						
d. Professional seminars						
e. Professional society annual conferences						
f. Membership in professional societies						
g. Technical publications						
h. Independent learning						
11. Do you participate in the following lifelong learning activities?						
a. Social						
b. Cultural						
c. Economic						
d. Artistic						
e. Ethical						
f. Environmental						
g. Engineering						
12. Do you have the managerial and entrepreneurial skills needed to solve civil engineering problems?						
13. Are you satisfied with your education at UPRM?						
14. Are you satisfied with the quality of teaching you received at the UPRM Civil Engineering and Surveying Department?						
15. Would you recommend the UPRM Civil Engineering program to your family and friends?						

*Please, feel free to use the space below to provide input on up to **three (3) strong elements** and **three (3) weak elements** of your education at UPRM.*

Signature of Respondent _____
Date _____