F. SUMMARY OF OUTCOME ASSESSMENTS BY GRADUATING SENIORS

Graduation Academic Year: Fall 2004, Spring 2005, Summer 2005

No. of Graduating Seniors: 31
No. of Responses: 31

Degree: 20 BSEE 4 BSCEN 7 DUAL

Part I.

Please put a check mark in the box to the left of ALL the categories (A through E) which best describe your plans after graduation. Answer the additional questions as requested.

- A: Continuing with present employer 5 (16%)
- B: Accepted new employment (including military employment) 1 (3%)

Salary Range (This information is confidential and will only be used for computing statistical averages.)
1. Less than 35,000 0 (0%)
2. 35,000-39,000 0 (0%)
3. 40,000-44,999 2 (6%)
4. 45,000-49,999 2 (6%)
5. Over 50,000 2 (6%)

Have you received a promotion, change of job, change of responsibilities and/or salary increase as a result of receiving your degree? If so, please indicate:
- Previous Job Title: Electronics Engineer Student Trainee, Senior Metrologist, Draftsman
- Received Salary Increase $27,000, after graduation, 5000 per year
- Number of employment offers: 8 (26%)

Primary source through which employment contact was made: (check one)
1. Newspaper Ad 0 (0%)
2. Family, Friend 1 (3%)
3. Placement Office-Recruiting 0 (0%)
4. Job Fairs 0 (0%)
5. Co-op, Internship 4 (13%)
6. Placement Office: Job Listings 0 (0%)
7. Resume Service 0 (0%)
8. Other 0 (0%)

- C. Continuing Education within 6 months 6 (19%)
  Will attend: Full-time 2 (6%) Part-time 3 (10%)
  Institution name
  Field of Study
  Next degree objective-check one:
  - Bachelor 0 (0%)
  - Doctoral 1 (3%)
  - Masters 4 (13%)
  - Professional 0 (0%)
  - Other 0 (0%)

Have you been accepted into the institution and program listed above?
- Yes 1 (7%)
- Not Yet 0 (0%)

- D. Seeking full-time employment 26 (84%)
- E. Other (specify) 0 (0%)

Did not respond to Part I 0 (0%)

Part II.

Have you ever sought help from the office of career services?
- Yes 17 (55%)
- No 4 (13%)
- Did not respond 9 (29%)

If so, what type of help did you use? (Check more than one if applicable)
1. Job Listing 1 (3%)
2. Job Search Advice 3 (10%)
3. Resume Booklet 5 (16%)
4. Career Resource Center 5 (16%)
5. On-Campus Recruiting 2 (6%)

Part III. The BSEE degree program has prepared me: (Please respond by checking ALL that apply)

1. To embark upon a professional career in electrical engineering, or to begin graduate study.
   - Strongly Agree 7 (23%)
   - Agree 12 (71%)
   - Disagree 0
   - Strongly Disagree 0
   - No comments 2 (6%)

2. Knowledge of mathematics through differential and integral calculus, and advanced topics in differential equations, linear algebra, and complex variables.
3. With an understanding of the basic and engineering sciences for applications in the analysis, design, synthesis, and operation of electrical engineering components, devices, and systems.
   - Strongly Agree 11 (35%)
   - Agree 20 (65%)
   - Disagree 0
   - Strongly Disagree 0
   - No comments 0

4. To use modern engineering techniques, skills, and tools, including computer-based tools for analysis and Design.
   - Strongly Agree 10 (32%)
   - Agree 21 (68%)
   - Disagree 0
   - Strongly Disagree 0
   - No comments 0

5. To apply knowledge of mathematics, science, and engineering to the analysis of electrical or computer engineering problems.
   - Strongly Agree 10 (32%)
   - Agree 21 (68%)
   - Disagree 0
   - Strongly Disagree 0
   - No comments 0

6. To design and conduct scientific and engineering experiments, as well as to analyze and interpret data.
   - Strongly Agree 10 (32%)
   - Agree 21 (68%)
   - Disagree 0
   - Strongly Disagree 0
   - No comments 0

7. Knowledge of probability and statistics, including electrical or computer engineering applications.
   - Strongly Agree 0
   - Agree 28 (90%)
   - Disagree 0
   - Strongly Disagree 1 (3%)
   - No comments 1 (3%)

8. To identify, formulate, and solve novel electrical or computer engineering problems.
   - Strongly Agree 8 (26%)
   - Agree 22 (71%)
   - Disagree 0
   - Strongly Disagree 0
   - No comments 1 (3%)

9. To function on multi-disciplinary teams.
   - Strongly Agree 9 (29%)
   - Agree 18 (58%)
   - Disagree 3 (10%)
   - Strongly Disagree 0
   - No comments 0

10. With an understanding of professional and ethical responsibility.
    - Strongly Agree 11 (35%)
    - Agree 19 (61%)
    - Disagree 1 (3%)
    - Strongly Disagree 0
    - No comments 0

11. To communicate effectively in writing and to convey technical material through oral presentation and interaction with an audience.
    - Strongly Agree 9 (29%)
    - Agree 20 (65%)
    - Disagree 1 (3%)
    - Strongly Disagree 0
    - No comments 1 (3%)

12. With the broad education and knowledge of contemporary issues necessary to understand the impact of electrical or computer engineering solutions in a global and societal context.
    - Strongly Agree 3 (10%)
    - Agree 25 (81%)
    - Disagree 3 (10%)
    - Strongly Disagree 0
    - No comments 0

13. To recognize the need for and to have the ability to engage in life-long learning.
    - Strongly Agree 11 (35%)
    - Agree 19 (61%)
    - Disagree 0
    - Strongly Disagree 0
    - No comments 1 (3%)

    - Strongly Agree 10 (32%)
    - Agree 20 (65%)
    - Disagree 0
    - Strongly Disagree 0
    - No comments 1 (3%)

15. Any comments on how to improve the program.
    - Need to leave labs open for 24 hour periods and put more emphasis on the labs.
    - New Equipment
    - Many of the courses are very theoretical and abstract. Although the labs are more practical than theoretical, I feel that more frequent references to contemporary engineering issues would increase attention span and punctuate the theory classes with an ounce of real world application.
    - New lab equipment
    - Offer more electives
    - To continue to work here and avoid complacency, this would apply to the students and staff at UWF.
    - Better lab equipment, offer more specialized classes.
    - Be more friendly to women
    - Better equipment & more support of research projects.

Appendix VIII - 16
### SUMMARY OF OUTCOME ASSESSMENTS BY GRADUATING SENIORS

**Graduation Academic Year** Summer 2003/Fall 2003/Spring 2004/Summer 04  
**No. of Graduating Seniors** 22  
**No of Responses:** 22  
**Degree:** 11 (50%) BSEE 3 (14%) BSCEN 8 (36%) DUAL

### Part I.
Please put a check mark in the box to the left of ALL the categories (A through E) which best describe your plans after graduation. Answer the additional questions as requested.

- **A:** Continuing with present employer 4 (18%)
- **B:** Accepted new employment (including military employment)  
  - 1. Less than 35,000 0  
  - 2. 35,000-39,000 0  
  - 3. 40,000-44,999 2 (9%)  
  - 4. 45,000-49,999 3 (14%)  
  - 5. Over 50,000 0

**Have you received a promotion, change of job, change of responsibilities and/or salary increase as a result of receiving your degree?** If so, please indicate:

- Previous Job Title:  
- Received Salary Increase 2 (9%)

**Number of employment offers:**

- 1. Newspaper Ad 0  
- 2. Family, Friend 0  
- 3. Placement Office-Recruiting 0  
- 4. Job Fairs 0  
- 5. Co-op, Internship 1 (5%)  
- 6. Placement Office: Job Listings 0  
- 7. Resume Service 0  
- 8. Other 5 (23%)

- **C:** Continuing Education within 6 months 2 (9%)
  - Will attend: Full-time 1 (5%) Part-time 2 (9%)
  - Institution name: UF, Not Specified

- **Next degree objective-check one:**
  - EE
  - Bachelors 0  
  - Masters 3 (14%)  
  - Professional 0

- **Have you been accepted into the institution and program listed above?** Yes Not Yet 4 (18%)

- **D:** Seeking full-time employment 16 (73%)

- **E:** Other (specify) 0

### Part II.

- **Have you ever-sought help from the office of career services?**
  - Yes 7 (32%) No 15 (68%) Did not respond 0

  - If so, what type of help did you use? (Check more than one if applicable)
    1. Job Listing 4 (18%)  
    2. Job Search Advice 1 (5%)  
    3. Resume Booklet 0  
    4. Career Resource Center 0  
    5. On-Campus Recruiting 0  
    6. Other 1 (5%)

### Part III.
**The BSEE degree program has prepared me:** (Please respond by checking ALL that apply)

- **Strongly Agree** 9 (41%) **Agree** 13 (59%) **Disagree** 0 (%) **Strongly Disagree** 0 (%) **No comments** 0 (%)

- **Knowledge of mathematics through differential and integral calculus, and advanced topics in differential equations, linear algebra, and complex variables.**  
  - Strongly Agree 11 (50%) Agree 11 (50%) Disagree 0 (%) Strongly Disagree 0 (%) No comments 0 (%)

- **With an understanding of the basic and engineering sciences for applications in the analysis, design, synthesis, and operation of electrical engineering components, devices, and systems.**  
  - Strongly Agree 10 (45%) Agree 12 (55%) Disagree 0 (%) Strongly Disagree 0 (%) No comments 0 (%)

- **To use modern engineering techniques, skills, and tools, including computer-based tools for analysis and Design.**
16. To apply knowledge of mathematics, science, and engineering to the analysis of electrical or computer engineering problems.
   - Strongly Agree: 10 (45%)
   - Agree: 11 (50%)
   - Disagree: 1 (5%)
   - Strongly Disagree: 0 (%)
   - No comments: 0 (%)

17. To design and conduct scientific and engineering experiments, as well as to analyze and interpret data.
   - Strongly Agree: 7 (32%)
   - Agree: 14 (64%)
   - Disagree: 1 (5%)
   - Strongly Disagree: 0 (%)
   - No comments: 0 (%)

18. Knowledge of probability and statistics, including electrical or computer engineering applications.
   - Strongly Agree: 2 (9%)
   - Agree: 17 (77%)
   - Disagree: 3 (14%)
   - Strongly Disagree: 0 (%)
   - No comments: 0 (%)

19. To identify, formulate, and solve novel electrical or computer engineering problems
   - Strongly Agree: 6 (27%)
   - Agree: 16 (73%)
   - Disagree: 0 (%)
   - Strongly Disagree: 0 (%)
   - No comments: 0 (%)

20. To function on multi-disciplinary teams.
   - Strongly Agree: 6 (27%)
   - Agree: 15 (68%)
   - Disagree: 1 (5%)
   - Strongly Disagree: 0 (%)
   - No comments: 0 (%)

21. With an understanding of professional and ethical responsibility.
   - Strongly Agree: 6 (27%)
   - Agree: 16 (73%)
   - Disagree: 0 (%)
   - Strongly Disagree: 0 (%)
   - No comments: 0 (%)

22. To communicate effectively in writing and to convey technical material through oral presentation and interaction with an audience.
   - Strongly Agree: 7 (32%)
   - Agree: 15 (68%)
   - Disagree: 0 (%)
   - Strongly Disagree: 0 (%)
   - No comments: 0 (%)

23. With the broad education and knowledge of contemporary issues necessary to understand the impact of electrical or computer engineering solutions in a global and societal context.
   - Strongly Agree: 3 (14%)
   - Agree: 17 (77%)
   - Disagree: 1 (5%)
   - Strongly Disagree: 0 (%)
   - No comments: 0 (%)

24. To recognize the need for and to have the ability to engage in life-long learning.
   - Strongly Agree: 9 (41%)
   - Agree: 12 (55%)
   - Disagree: 0 (%)
   - Strongly Disagree: 0 (%)
   - No comments: 1 (5%)

   - Strongly Agree: 7 (32%)
   - Agree: 14 (64%)
   - Disagree: 1 (5%)
   - Strongly Disagree: 0 (%)
   - No comments: 0 (%)

Any comments on how to improve the program.

   Work on improving logistics with the Ft. Walton Beach program, such as transfer of paperwork between FWB and Pensacola.
   - None
   - Provide more funding for lab equipment, classroom learning tools, etc....
   - More team projects

Appendix VIII - 18
SUMMARY OF OUTCOME ASSESSMENTS BY GRADUATING SENIORS

Graduation Academic Year: Summer 2002/Fall 2002/Spring 2003
No. of Graduating Seniors: 20
No. of Responses: 19
Degree: 10 (50%) BSEE 1 (5%) BSCEN 7 (35%) DUAL

Part I.
Please put a check mark in the box to the left of ALL the categories (A through E) which best describe your plans after graduation. Answer the additional questions as requested.

☐ A. Continuing with present employer 2 (10%)

☐ B. Accepted new employment (including military employment)
   1. Less than 35,000 0 (%) 3. 40,000-44,999 1 (5%)
   2. 35,000-39,000 2 (10%) 4. 45,000-49,999 (%) 5. Over 50,000 1 (5%)

Have you received a promotion, change of job, change of responsibilities and/or salary increase as a result of receiving your degree? If so, please indicate:
Previous Job Title: Sr. Electronic Tech; Engineering Trainee
Received Salary Increase $12,000
Number of employment offers: 1
1. Newspaper Ad 1 (5%) 5. Co-op, Internship 2 (10%)
2. Family, Friend 0 6. Placement Office: Job Listings 0
3. Placement Office-Recruiting 0 7. Resume Service 0
4. Job Fairs 0 8. Other 0

☐ C. Continuing Education within 6 months 5 (25%)
   Will attend: Full-time 1 (5%) Part-time 2 (10%)
   Institution name: U of F; UF (GERC) University of Florida.
   Next degree objective-check one:
   ☐ Bachelors 0 ☐ Doctoral 0 ☐ Other (specify) 0
   ☐ Masters 3 (15%) ☐ Professional 0

Have you been accepted into the institution and program listed above?
   Yes 0 Not Yet 3 (15%)

☐ D. Seeking full-time employment 17 (85%)
☐ E. Other (specify) 1 (5%) Not sure I will seek employment soon
Did not respond to Part I 0

Part II.
Have you ever sought help from the office of career services?
Yes 8 (40%) No 11 (55%) Did not respond 0

If so, what type of help did you use? (Check more than one if applicable)
1. Job Listing 4 (20%) 4. Career Resource Center 2 (10%)
2. Job Search Advice 2 (10%) 5. On-Campus Recruiting 2 (10%)
3. Resume Booklet 1 (5%) 6. Other 1 (5%) Co-Op

Part III. The BSEE degree program has prepared me: (Please respond by checking ALL that apply)

7. To embark upon a professional career in electrical engineering, or to begin graduate study.
   ☐ Strongly Agree 5 (25%) ☐ Agree 14 (70%) ☐ Disagree 0 (%) ☐ Strongly Disagree 0 (%) ☐ No comments 0 (%)

8. Knowledge of mathematics through differential and integral calculus, and advanced topics in differential equations, linear algebra, and complex variables.
   ☐ Strongly Agree 3 (15%) ☐ Agree 16 (80%) ☐ Disagree 0 (%) ☐ Strongly Disagree 0 (%) ☐ No comments 0 (%)

9. With an understanding of the basic and engineering sciences for applications in the analysis, design, synthesis, and operation of electrical engineering components, devices, and systems.
   ☐ Strongly Agree 5 (25%) ☐ Agree 14 (70%) ☐ Disagree 0 (%) ☐ Strongly Disagree 0 (%) ☐ No comments 0 (%)

4. To use modern engineering techniques, skills, and tools, including computer-based tools for analysis and Design.

Appendix VIII - 19
26. To apply knowledge of mathematics, science, and engineering to the analysis of electrical or computer engineering problems.
   - Strongly Agree 5 (25%) □ Agree 13 (65%) □ Disagree 1 (5%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

27. To design and conduct scientific and engineering experiments, as well as to analyze and interpret data.
   - Strongly Agree 4 (20%) □ Agree 13 (65%) □ Disagree 1 (5%) □ Strongly Disagree 0 (%) □ No comments 1 (5%)

28. Knowledge of probability and statistics, including electrical or computer engineering applications.
   - Strongly Agree 1 (5%) □ Agree 11 (55%) □ Disagree 3 (15%) □ Strongly Disagree 1 (5%) □ No comments 2 (10%)

29. To identify, formulate, and solve novel electrical or computer engineering problems
   - Strongly Agree 8 (40%) □ Agree 12 (60%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

30. To function on multi-disciplinary teams.
   - Strongly Agree 8 (40%) □ Agree 10 (50%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ No comments 1 (5%)

31. With an understanding of professional and ethical responsibility.
   - Strongly Agree 9 (45%) □ Agree 9 (45%) □ Disagree 1 (5%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

32. To communicate effectively in writing and to convey technical material through oral presentation and interaction with an audience.
   - Strongly Agree 6 (30%) □ Agree 12 (60%) □ Disagree 1 (5%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

33. With the broad education and knowledge of contemporary issues necessary to understand the impact of electrical or computer engineering solutions in a global and societal context.
   - Strongly Agree 1 (5%) □ Agree 15 (75%) □ Disagree 3 (15%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

34. To recognize the need for and to have the ability to engage in life-long learning.
   - Strongly Agree 6 (30%) □ Agree 12 (60%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ 1 (5%) No comments (%)

35. Knowledge of discrete mathematics.
   - Strongly Agree 5 (25%) □ Agree 12 (60%) □ Disagree 1 (5%) □ Strongly Disagree 0 (%) □ No comments 1 (5%)

Any comments on how to improve the program.

None
Easier access to faculty
Newer equipment and a new building
I would like to have had more experience programming in Matlab, and programming in terms, more for CS department than ECE, like in a work situation.
Offer more elective classes
Try to control cheating a bit more diligently.
Provide more electives to choose from
More practical experience w/ looking up components to order from distributors. Dr. Rashid was the only professor that made me look to a Digiky catalog.
Include more elective classes. Include some night classes.
Computers were CD roms are installed when the lab requires data from a CD!
Buy more up to date equipment.

Appendix VIII - 20
SUMMARY OF OUTCOME ASSESSMENTS BY GRADUATING SENIORS

Graduation Academic Year Fall 2001, Spring 2002
No. of Graduating Seniors 18 No of Responses: 17
Degree: 10 (56%) BSEE 4 (22%) BSCEN 3 (17%) DUAL

Part I.
Please put a check mark in the box to the left of ALL the categories (A through E) which best describe your plans after graduation. Answer the additional questions as requested.

□ A: Continuing with present employer 2 (11%)

□ B: Accepted new employment (including military employment)
   1. Less than 35,000 1 (5%)
   2. 35,000-39,999 0
   3. 40,000-44,999 2 (17%)
   4. 45,000-49,999 1 (8%)
   5. Over 50,000 1 (5%)

Have you received a promotion, change of job, change of responsibilities and/or salary increase as a result of receiving your degree? If so, please indicate:
   Previous Job Title:
   Received Salary Increase
   Number of employment offers:
   1. Newspaper Ad 0
   2. Family, Friend 0
   3. Placement Office-Recruiting 0
   4. Job Fairs 1 (5%)
   5. Co-op, Internship 0
   6. Placement Office: Job Listings 0
   7. Resume Service 0
   8. Other 1 (5%)

□ C. Continuing Education within 6 months 4 (22%)
   Will attend: Full-time 2 (11%) Part-time 2 (11%)
   Institution name: UF, UWF, UCF, UF GERC
   Next degree objective-check one:
   □ Bachelors 0 □ Doctoral 0 □ Other (specify) 0
   □ Masters 2 (11%) □ Professional 0

   Have you been accepted into the institution and program listed above?
   Yes 15 (83%) Not Yet 6 (33%)

□ D. Seeking full-time employment 15 (83%)
□ E. Other (specify) 2 (11%) Continuing education with 1-2 years, attend school at some time

Part II.
Have you ever-sought help from the office of career services?
Yes 5 (28%) No 12 (67%) Did not respond 0

If so, what type of help did you use? (Check more than one if applicable)
   1. Job Listing 0
   2. Job Search Advice 1 (5%)
   3. Resume Booklet 0
   4. Career Resource Center 3 (17%)
   5. On-Campus Recruiting 4 (22%)
   6. Other 2 (11%)

Part III. The BSEE degree program has prepared me: (Please respond by checking ALL that apply)

10. To embark upon a professional career in electrical engineering, or to begin graduate study.
   □ Strongly Agree 6 (33%) □ Agree 11 (61%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

11. Knowledge of mathematics through differential and integral calculus, and advanced topics in differential equations, linear algebra, and complex variables.
   □ Strongly 8 (44%) □ Agree 9 (50%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

12. With an understanding of the basic and engineering sciences for applications in the analysis, design, synthesis, and operation of electrical engineering components, devices, and systems.
   □ Strongly Agree 4 (22%) □ Agree 13 (72%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

4. To use modern engineering techniques, skills, and tools, including computer-based tools for analysis and Design.

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36. To apply knowledge of mathematics, science, and engineering to the analysis of electrical or computer engineering problems.
   □ Strongly Agree 7 (39%) □ Agree 10 (56%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

37. To design and conduct scientific and engineering experiments, as well as to analyze and interpret data.
   □ Strongly Agree 5 (28%) □ Agree 12 (67%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

38. Knowledge of probability and statistics, including electrical or computer engineering applications.
   □ Strongly Agree 1 (5%) □ Agree 8 (44%) □ Disagree 6 (33%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

39. To identify, formulate, and solve novel electrical or computer engineering problems
   □ Strongly Agree 4 (22%) □ Agree 12 (67%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

40. To function on multi-disciplinary teams.
   □ Strongly Agree 5 (28%) □ Agree 10 (56%) □ Disagree 2 (11%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

41. With an understanding of professional and ethical responsibility.
   □ Strongly Agree 6 (33%) □ Agree 11 (61%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

42. To communicate effectively in writing and to convey technical material through oral presentation and interaction with an audience.
   □ Strongly Agree 6 (33%) □ Agree 9 (50%) □ Disagree 2 (11%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

43. With the broad education and knowledge of contemporary issues necessary to understand the impact of electrical or computer engineering solutions in a global and societal context.
   □ Strongly Agree 5 (28%) □ Agree 9 (50%) □ Disagree 2 (11%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

44. To recognize the need for and to have the ability to engage in life-long learning.
   □ Strongly Agree 8 (44%) □ Agree 9 (50%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

45. Knowledge of discrete mathematics.
   □ Strongly Agree 8 (44%) □ Agree 9 (50%) □ Disagree 0 (%) □ Strongly Disagree 0 (%) □ No comments 0 (%)

Any comments on how to improve the program:

- Add more computer based tools
- More emphasis on probability and statistics
- Programming classes need to be taught by the ECE dept.
- More teachers, more variety of classes
- Show students how to use compilers (for programming classes) to walk through the code.
- Get more instructors like Dr. Matthew’s, Gorman, and Mansour
- Have more teacher
- Better advising, more electives
- Remove the concept of an “exam” and make all assignments designs
SUMMARY OF OUTCOME ASSESSMENTS BY GRADUATING SENIORS

Graduation Academic Year Fall 2000, Spring 2001, Summer 2001
No. of Graduating Seniors 11 No of Responses: 11
Degree: 6 (54%) BSEE 3 (33%) BSCEN 2 (18%) DUAL

Part I.
Please put a check mark in the box to the left of ALL the categories (A through E) which best describe your plans after graduation. Answer the additional questions as requested.

☐ A: Continuing with present employer 4 (36%)

☐ B: Accepted new employment (including military employment)
Salary Range (This information is confidential and will only be used for computing statistical averages.)
1. Less than 35,000 0
2. 35,000-39,000 1 (9%)
3. 40,000-44,999 1 (9%)
4. 45,000-49,999 1 (9%)
5. Over 50,000 1 (9% currently, increase expected w/BSEE

Have you received a promotion, change of job, change of responsibilities and/or salary increase as a result of receiving your degree? If so, please indicate:
Previous Job Title: Communication/Navigation System Technician, Co-op.
Received Salary Increase $15,000, TBD
Number of employment offers: NA
1. Newspaper Ad 0
2. Family, Friend 1 (9%)
3. Placement Office-Recruiting 0
4. Job Fairs 0
5. Co-op, Internship 1 (9%)
6. Placement Office: Job Listings 0
7. Resume Service 0
8. Other Military, internet 2 (18%)

☐ C. Continuing Education within 6 months
Will attend: Full-time 1 (9%) Part-time 3 (33%)
Institution name don’t know, not sure yet (UF), have not decided yet. Institution of Dayton.
Field of Study EE/CE (computer and electrical engineering), software engineering, electrical engineering
Next degree objective-check one:
☐ Bachelors 0
☐ Masters 4 (36%)
☐ Doctoral 0
☐ Professional 0
☐ Other (specify) 0

Have you been accepted into the institution and program listed above?
1 (9%) Yes 2 (18%) Not Yet

☐ D. Seeking full-time employment 8 (72%)
☐ E. Other (specify) 0
Did not respond to Part I 0

Part II.
Have you ever-sought help from the office of career services?
Yes 4 (36%) No 7 (63%) Did not respond 0

If so, what type of help did you use? (Check more than one if applicable)
1. Job Listing 2 (18%)
2. Job Search Advice 0
3. Resume Booklet 2 (18%)
4. Career Resource Center 3 (33%)
5. On-Campus Recruiting 2 (18%)

Part III. The BSEE degree program has prepared me: (Please respond by checking ALL that apply)

13. To embark upon a professional career in electrical engineering, or to begin graduate study.
☐ Strongly Agree 4 (36%) ☐ Agree 6 (54%) ☐ Disagree (0%) ☐ Strongly Disagree (0%) ☐ No comments 1 (9%)

☐ Strongly 5 (45%) ☐ Agree 6 (54%) ☐ Disagree (0%) ☐ Strongly Disagree (0%) ☐ No comments (0%)

15. With an understanding of the basic and engineering sciences for applications in the analysis, design, synthesis, and operation of electrical engineering components, devices, and systems.
☐ Strongly Agree 3 (33%) ☐ Agree 7 (63%) ☐ Disagree (0%) ☐ Strongly Disagree (0%) ☐ No comments 1 (9%)
4. To use modern engineering techniques, skills, and tools, including computer-based tools for analysis and Design.
   - Strongly Agree 2 (18%)  
   - Agree 9 (81%)  
   - Disagree (0%)  
   - Strongly Disagree (0%)  
   - No comments (0%)

46. To apply knowledge of mathematics, science, and engineering to the analysis of electrical or computer engineering problems.
   - Strongly Agree 4 (36%)  
   - Agree 7 (63%)  
   - Disagree (0%)  
   - Strongly Disagree (0%)  
   - No comments (0%)

47. To design and conduct scientific and engineering experiments, as well as to analyze and interpret data.
   - Strongly Agree 9 (81%)  
   - Agree 2 (18%)  
   - Disagree (0%)  
   - Strongly Disagree (0%)  
   - No comments (0%)

48. Knowledge of probability and statistics, including electrical or computer engineering applications.
   - Strongly Agree 10 (90%)  
   - Agree 0 (0%)  
   - Disagree (0%)  
   - Strongly Disagree (0%)  
   - No comments (1%)

49. To identify, formulate, and solve novel electrical or computer engineering problems.
   - Strongly Agree 3 (33%)  
   - Agree 7 (63%)  
   - Disagree (0%)  
   - Strongly Disagree (0%)  
   - No comments (0%)

50. To function on multi-disciplinary teams.
   - Strongly Agree 4 (36%)  
   - Agree 4 (36%)  
   - Disagree (0%)  
   - Strongly Disagree (0%)  
   - No comments 3 (33%)

51. With an understanding of professional and ethical responsibility.
   - Strongly Agree 3 (33%)  
   - Agree 6 (54%)  
   - Disagree (0%)  
   - Strongly Disagree (0%)  
   - No comments 2 (18%)

52. To communicate effectively in writing and to convey technical material through oral presentation and interaction with an audience.
   - Strongly Agree 8 (72%)  
   - Agree 2 (18%)  
   - Disagree (0%)  
   - Strongly Disagree (0%)  
   - No comments 1 (9%)

53. With the broad education and knowledge of contemporary issues necessary to understand the impact of electrical or computer engineering solutions in a global and societal context.
   - Strongly Agree 6 (54%)  
   - Agree 3 (33%)  
   - Disagree 1 (9%)  
   - Strongly Disagree (0%)  
   - No comments 1 (9%)

54. To recognize the need for and to have the ability to engage in life-long learning.
   - Strongly Agree 10 (90%)  
   - Agree 1 (9%)  
   - Disagree 0 (0%)  
   - Strongly Disagree (0%)  
   - No comments (0%)

55. Knowledge of discrete mathematics.
   - Strongly Agree 9 (81%)  
   - Agree 2 (18%)  
   - Disagree (0%)  
   - Strongly Disagree (0%)  
   - No comments (0%)

Any comments on how to improve the program.

- **None, no, more lab should be added to EEL 4516 and EEL 3211 classes.**
- Could use a bit more education in probability. Electronics 1 should be more in depth with the material.
- More recognition of students' efforts, recognition of students as responsible adults, especially “non-traditional” students. Offer courses at GERC. Hire professors with more industry experience so that students get wider range of practical experience benefit.
SUMMARY OF OUTCOME ASSESSMENTS BY GRADUATING SENIORS

Graduation Academic Year  Summer 1999 - Spring 2000

No. of Graduating Seniors  23  
No of Responses:  23

Degree:  BSEE 0  
BSCEN 0  
DUAL

Part I.

Please put a check mark in the box to the left of ALL the categories (A through E) which best describe your plans after graduation. Answer the additional questions as requested.

☐ A: Continuing with present employer 6 (26%)

☐ B: Accepted new employment (including military employment) 4 (17%)

Salary Range (This information is confidential and will only be used for computing statistical averages.)

1. Less than 35,000 6 (60%)  
2. 35,000-39,000 1 (10%)  
3. 40,000-44,999 0  
4. 45,000-49,999 3 (30%)  
5. Over 50,000 0

Have you received a promotion, change of job, change of responsibilities and/or salary increase as a result of receiving your degree? If so, please indicate:

Previous Job Title: Electronics Engineer Student Trainee, Senior Metrologist, Draftsman

Received Salary Increase $27,000, after graduation, 5000 per year

Number of employment offers: 6.2

Primary source through which employment contact was made: (check one)

1. Newspaper Ad 1 (10%) 
2. Family, Friend 0  
3. Placement Office-Recruiting 0  
4. Job Fairs 1 (10%)  
5. Co-op, Internship 6 (60%)  
6. Placement Office: Job Listings 0  
7. Resume Service 1 (10%)  
8. Other 1 (10%)

☐ C. Continuing Education within 6 months

Will attend:  
Full-time  
Part-time 6-9hrs

Institution name University of Florida, University of Florida (GERC)

Field of Study MBA, Electrical Engr., Computer Systems Engr.

Next degree objective-check one:

☐ Bachelors 0  
☐ Masters 8 (100%)  
☐ Professional 0

☐ Other (specify) 0

Have you been accepted into the institution and program listed above?

☐ Yes 8 (100%)  
☐ Not Yet

☐ D. Seeking full-time employment 2 (9%)

☐ E. Other (specify) 0

Did not respond to Part I 3 (13%)

Part II.

Have you ever sought help from the office of career services?

11 (48%) Yes  
8 (35%) No  
4 (17%) Did not respond

If so, what type of help did you use? (Check more than one if applicable)

1. Job Listing 2  
2. Job Search Advice 3  
3. Resume Booklet 0  
4. Career Resource Center 8  
5. On-Campus Recruiting 4  
6. Other 0

Part III. The BSEE degree program has prepared me: (Please respond by checking ALL that apply)

16. To embark upon a professional career in electrical engineering, or to begin graduate study.

☐ Strongly Agree 9 (39%)  
☐ Agree 11 (48%)  
☐ Disagree 1 (4%)  
☐ Strongly Disagree 0

17. Knowledge of mathematics through differential and integral calculus, and advanced topics in differential equations,
linear algebra, and complex variables.
0 Strongly Agree 13 (57%) 0 Agree 9 (39%) 0 Disagree 1 (4%) 0 Strongly Disagree 0 0 No comments 0

18. With an understanding of the basic and engineering sciences for applications in the analysis, design, synthesis, and operation of electrical engineering components, devices, and systems.
0 Strongly Agree 11 (48%) 0 Agree 11 (48%) 0 Disagree 0 0 Strongly Disagree 0 0 No comments 1(4%)

4. To use modern engineering techniques, skills, and tools, including computer-based tools for analysis and design.
0 Strongly Agree 14 (61%) 0 Agree 9 (39%) 0 Disagree 0 0 Strongly Disagree 0 0 No comments 0

56. To apply knowledge of mathematics, science, and engineering to the analysis of electrical or computer engineering problems.
0 Strongly Agree 10 (44%) 0 Agree 12 (52%) 0 Disagree 0 0 Strongly Disagree 0 0 No comments 1(4%)

57. To design and conduct scientific and engineering experiments, as well as to analyze and interpret data.
0 Strongly Agree 9 (39%) 0 Agree 13 (57%) 0 Disagree 0 0 Strongly Disagree 0 0 No comments 1(4%)

58. Knowledge of probability and statistics, including electrical or computer engineering applications.
0 Strongly Agree 3 (13%) 0 Agree 13 (57%) 0 Disagree 5 (21%) 0 Strongly Disagree 0 0 No comments 2 (9%)

59. To identify, formulate, and solve novel electrical or computer engineering problems
0 Strongly Agree 9 (39%) 0 Agree 11 (48%) 0 Disagree 2 (9%) 0 Strongly Disagree 0 0 No comments 1(4%)

60. To function on multi-disciplinary teams.
0 Strongly Agree 8 (35%) 0 Agree 12 (52%) 0 Disagree 2 (9%) 0 Strongly Disagree 0 0 No comments 1(4%)

61. With an understanding of professional and ethical responsibility.
0 Strongly Agree 8 (35%) 0 Agree 14 (61%) 0 Disagree 0 0 Strongly Disagree 1 (4%) 0 No comments 0

62. To communicate effectively in writing and to convey technical material through oral presentation and interaction with an audience.
0 Strongly Agree 4 (18%) 0 Agree 18 (78%) 0 Disagree 0 0 Strongly Disagree 1 (4%) 0 No comments 0

63. With the broad education and knowledge of contemporary issues necessary to understand the impact of electrical or computer engineering solutions in a global and societal context.
0 Strongly Agree 4 (18%) 0 Agree 13 (56%) 0 Disagree 5 (22%) 0 Strongly Disagree 0 0 No comments 1(4%)

64. To recognize the need for and to have the ability to engage in life-long learning.
0 Strongly Agree 8 (35%) 0 Agree 14 (61%) 0 Disagree 0 0 Strongly Disagree 0 0 No comments 1(4%)

65. Knowledge of discrete mathematics.
0 Strongly Agree 4 (18%) 0 Agree 16 (69%) 0 Disagree 2 (9%) 0 Strongly Disagree 0 0 No comments 1(4%)

66. Any comments on how to improve the program.
- Instructors need to draw more parallels between theory and applications.
- Offer more electives
- Provide more in-depth counsel for incoming students.
- Keep on challenging students
- More labs could be useful.
- Some classes would be better if application examples were given during lectures.
- More emphasis on practical applications instead of theory