SOUTHEASTERN
LOUISIANA UNIVERSITY

July 20, 2004

Dr. Michelle Hall, Director
Southeastern Louisiana University
Institutional Research & Assessment
SLU 11851
Hammond, LA 70402

Re: Major Field Assessment

Dear Dr. Hall:

The purpose of this correspondence and attachments are to follow-up your memo dated November 5, 2003 and provide an updated report on the results and use of assessment data.

The most recent use of assessment data was contained within the attached NAIT "Accreditation Progress Report" submitted on September 24, 2003 under President Randy Moffett's signature. Specific references to the use of assessment data can be located on page 7 "Scholastic Success of Students" and page 11 "Assessment Plan and Integration." Please note that this report is based upon both the Associate of Applied Science and Bachelor of Science concentrations.

Dr. Louise Bostic is still serving as MFA contact for the Industrial Technology Department. Dr. Bostic developed end-of-semester class proficiency exams for the Industrial Technology 111 course in "Engineering Graphics" and the Industrial Technology 112 "Descriptive Geometry" course. Exams are administered each semester to all sections taught of each course and data analyzed to improve the instructional delivery system. This is discussed at our annual Department of Industrial Technology retreat.

Student and employer evaluations of IT 291/391 "Industrial Internships" are also administered and reviewed each semester for continuous program improvements.

Also attached are the 2002/2003 and 2003/2004 Department of Industrial Technology Progress Reports that are published in the Annual College of Business and Technology Report that is disseminated extensively.

Department of Industrial Technology • SLU 10847 • Hammond, LA 70402 • 985-549-2189 • Fax: 985-549-5532

The final attachments are the Technically Speaking Newsletters whereby assessment data is publicized and disseminated to members of our advisory committee, Southeastern Alumni and graduates, administration, faculty, and staff. Please note in the November 2002 issue my article on "Formulating a Plan" and the list of accomplishments on page 3 of the spring 2004 issue.

In summary, an example of **internal** assessment applications that have resulted in program improvement are the NAIT two-year status report that ultimately resulted in the Department of Industrial Technology Programs obtaining National Accreditation until 2007. An example of **external** assessment applications via external advisory committee members and the ASSE professional organization, is the Bachelor of Science degree proposal in Occupational Safety, Health, and Environment that is in the "final stages" of Board of Regents approval.

If any additional information is needed, please contact me at extension 2189 or by e-mail at Jowens@selu.edu.

Sincerely,

James R. Owens
Department Head

JRO/sk

Attachment: NAIT Accreditation Progress Report
2002/2003 and 2003/2004 Annual Reports
Technically Speaking Newsletters

Copy: Dr. Michael Budden, Dean
College of Business & Technology

SOUTHEASTERN
LOUISIANA UNIVERSITY

Institutional Research & Assessment
Box 11851
Phone: 549-2077

Campus Correspondence
www.selu.edu/Administration/Inst-Research
Fax: 549-3640

DATE: November 5, 2003

TO: Dr. Jim Owens, Department Head
Industrial Technology

FROM: Dr. Michelle Hall, Director

RE: Major Field Assessment

Thank you for taking the time to meet with me on October 30, 2003 about major field assessment. As a recap of the meeting, your plans and reports are currently up to date. The next thing you will have due is an updated Report on Results and Use, which will be due in Spring 2004 for both programs. Dr. Louise Bostic will be serving as MFA contact for the department. Also, if you would like to include questions specific to your majors in the Alumni Survey and the Southeastern Exit Survey, I will need those questions by the end of the semester. Each program can have up to 10 questions on the Southeastern Exit Survey, using a scale of 1 to 5 where 1 is Very Dissatisfied and 5 is Very Satisfied. On the Alumni Survey, each program can add a one page insert to the standard survey. If you have any questions, please to not hesitate to contact me.

cc: Dr. Mike Budden

SOUTHEASTERN
LOUISIANA UNIVERSITY

September 24, 2003

Dr. Rick Coscarelli, Executive Director
National Association of Industrial Technology
3300 Washtenaw Avenue, Suite 220
Ann Arbor, MI 48104-4200

Dear Dr. Coscarelli:

Enclosed is a copy of the Southeastern Louisiana University's "Accreditation Progress Report" for the Department of Industrial Technology that is due October 1, 2003.

Dr. Jim Owens, Department Head of the Department of Industrial Technology at Southeastern Louisiana University, will be attending the NAIT annual convention in Nashville, and is scheduled to testify at the Board of Accreditation Hearing on Wednesday, November 19th. He will have supporting documentation at the hearing.

Thank you for your review of our programs.

Sincerely,

Randy Moffett
President

cv

Enclosure

ACCREDITATION PROGRESS REPORT

Southeastern Louisiana University
Hammond, LA 70402
Dr. Randy Moffett, President

Department of Industrial Technology

Bachelor of Science, Industrial Technology
Concentrations: Supervision, Drafting/Design,
Automated Systems, Industrial
Internship

Associate of Applied Science, Industrial Technology
Concentrations: Construction Technology,
Design Drafter Technology,
Occupational Safety & Health

September 24, 2003

Table of Contents

Program: Industrial Technology-Associate of Applied Science Concentrations
Standards in Partial Compliance:

Standards in Non-Compliance: None

Program: Industrial Technology-Bachelor of Science Concentrations
Standards in Partial Compliance:

Standards in Non-Compliance:

6.2.4 Program Goals: Each major program shall have clearly written short and long range goals and objectives, which are consistent with the mission statements, and plans for achieving them.

Visiting Team Report:
Both B. S. & A. A. S. degrees
The Department has promulgated short and long term goals and objectives that are in consort with the University Strategic Plan. Implementation plans presented for all B. S. options lack the basic elements of a plan as they do not address one or more of the features i.e., action designee, specific action date to complete.

Program/Option: B.S. ***Industrial Technology, Supervision***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	__Compliance X Partial Compliance __Non-Compliance

5.2.4 Program Goals:

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health***	X Compliance __ Partial Compliance __Non-Compliance

Current Program Status: Southeastern Louisiana University's strategic plan "Vision 2005" serves as a blueprint to continually address the University's six strategic priorities, and each of the College of Business and Technology's strategic goals. The Department of Industrial Technology has developed a strategic action for each goal and priority in conjunction with strategic time lines and benchmarks for the accomplishment of each strategic action item. Action plans are submitted annually as well as a final report of accomplishments. The Office of Institutional Research and Assessment compiled a report entitled "Academic Productivity Measures Report" to assist in the submission of the annual report of accomplishments of goals. These reports are reviewed in my annual department head review with the college dean.

6.3.4 Program Emphasis: Primary emphasis in the major program shall reflect the technology of contemporary industry.

The program in Industrial Technology focuses upon contemporary industry. For example, the faculty offers courses in Computer-Aided Design, Computer Aided Manufacturing, Industrial Robotics, and more. However a review of the advising materials and course outlines revealed that the Drafting/Design curriculum does not reflect the current technology of contemporary industry, the curriculum focus on drafting skills development instead of the stated program objectives "technical course work develops practical application skills which allow for planning supervision, control, and evaluation of technical manufacturing processes". Contents such as quality assurance, quality and computer-aided manufacturing are not introduced in the Drafting Design specialty. Students in this specialty are not exposed to the contemporary practices of the industry.

Program/Option: B.S. ***Industrial Technology, Supervision***	X Compliance __ Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	X Compliance __ Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	X Compliance __ Partial Compliance __Non-Compliance

5.3.4 Program Emphasis:

Program/Option:	***A.A.S. Industrial Technology, Construction Technology***	X Compliance __ Partial Compliance __Non-Compliance
Program/Option:	***A.A.S. Industrial Technology, Design Drafting Technology***	X Compliance __ Partial Compliance __Non-Compliance
Program/Option:	***A.A.S. Industrial Technology, Occupational Safety & Health***	X Compliance __ Partial Compliance __Non-Compliance

Current Program Status: In order to address the discrepancies in 6.3.4, the following changes have been implemented in the Drafting Design concentration.

IT 111 has included a unit on limits, tolerancing, and allowances and their applicability to quality control. DDT 212 has included a unit on position and geometric tolerancing and their applicability to quality control. In addition, a unit has been added as an introduction to the **ISO 9000** standards and its applicability to quality assurance. IT 311 has units on geometric and positional tolerancing, allowances and classes of fits, and characteristics of surface textures and applicability to quality control. An in-depth unit has been added on **ISO 9000** standards and its applicability to quality assurance. A unit has been added on project planning with an introduction to Microsoft Project. IT 216 has added two units on CAM and the manufacturing of prototypes from the 3-D models previously developed in the course. The course has also included Pro Engineering Software. Over the last two years, the Department of Industrial Technology has accomplished the following:

- Incorporated Pro/Engineering software into IT 216, Advanced Cad
- Incorporated Pro/Engineering software into IT 311, Industrial Design
- Developed a team approach to design in IT 311 that incorporates the parametric functionality of 2-D and 3-D modeling
- Developed units of instruction that will introduce the students to the quality assurance capabilities of three-dimensional modeling
- Developed units of instruction that will introduce the students to computer-aided manufacturing (Master Cam)
- Incorporated ISO 9000 standards into IT 216, IT 311 and IT 615
- Implemented AutoPlant parametric software in DDT 211
- Pursuing implementing Inventor 7, parametric solid modeling software for DDT 212. Also added a section on Concurrent Engineering and Rapid Prototyping as it relates to Design and Manufacturing Sequencing/Timelines. Also, enhanced section on Project Documentation and Management using Intergraph Model with electronic signatures and seals.

The revised coursework will allow students in Industrial Technology to go beyond the basic drafting skills and learn design skills that utilize information technology (IT) systems that incorporate quality assurance and quality control. These new design skills provide students with a firm understanding of design parameters, quality assurance and quality control.

6.4.1 Study Guides: Study guides, which clearly describe appropriate course objectives, content, references utilized, student activities, evaluation criteria, and a range of examples of students graded work shall be available for each course.

Visiting Team Report: Course syllabi that include course objectives, content references utilized, student activities, and evaluation criteria for all courses were not on display in Room 210 of Anzalone Hall as indicated in the self-study (P. 40) during the on-site accreditation team visit. Visiting team members have only examined the course materials from faculty members whom they have visited during the limited time schedule. Objectives, content, references utilized, student activities, evaluation criteria, and a range of examples of students graded work were available for most of the course syllabus examined.
Both B. S. & A. A. S. degrees

Program/Option: B.S. ***Industrial Technology, Supervision***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	__Compliance X Partial Compliance __Non-Compliance

5.4.1 Study Guides:

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health***	__Compliance X Partial Compliance __Non-Compliance

Current Program Status: As stated in the Accreditation Report, the Visiting Team did not visit all of the Faculty members. The Team report further stated that objectives, content, references utilized, student activities, evaluation criteria and examples of student-graded work were available for most of the course syllabi examined. Additional aforementioned materials were available in room 210 (Department Heads Office) and were reviewed by two of the Team members. Because of the sheer volume of materials, all of the student work was not housed in one central location, but was displayed in classrooms and Faculty Offices. However, all documentation for this standard was and currently is available for each and every course taught within the Department of Industrial Technology at Southeastern Louisiana University. Copies of all course syllabi are currently on file in the Department Heads Office.

6.4.2 Reference Materials: Appropriate reference books, library materials such as periodicals, audio-visual materials, and computer application software (when appropriate) shall be utilized for each course or series of courses to supplement textbooks or course packs.

Visiting Team Report:
Both B. S. & A. S. degrees
Audio-visual equipment is utilized extensively in the Department. Computers are used by students in their required computer science courses as well as in several courses within the Department. In 1999, a $100,000 Computer Based Training (CBT) Lab funded by Shell Oil was installed in Anzalone Hall. However, university documents indicated that IT faculty and students have not utilized the reference materials in the University's Sims Memorial Library and the software used in the Drafting/Design curriculum is limited to AutoCAD software.

Program/Option: B.S. ***Industrial Technology, Supervision***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	__Compliance X Partial Compliance __Non-Compliance

5.4.2 Reference Materials:

Program/Option: ***A.A.S. Industrial Technology, Construction Technology*** __Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology*** __Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health*** __Compliance X Partial Compliance __Non-Compliance

Current Program Status: All course syllabi, assignments, test and course documentation currently includes specific reference to the use of Sims Memorial Library resources in addition to Internet sources of documentation and research. More courses now require that students document the use of reference materials that are put on reserve in the Sims Memorial Library. This item was specifically addressed at the Faculty Retreat held on August 17, 2001. The Department has also incorporated new CAD software, e.g. Pro/Engineering and AutoDesk's Inventor that utilizes both solid modeling and parametric features.

As a result of faculty efforts in working with the Bell South Professorship, Industrial Technology students are now using the following software:

- AutoCAD version 2002 and 2004
- Pro-Engineering
- Master Cam
- Microsoft's Net Meeting
- Microsoft's Messenger
- AutoDesk Inventor 5
- Blackboard

Students are now instructed in the importance of utilizing information technology through an integrated product team approach to design. Using a team approach through software with parametric features (Pro Engineering, AutoCad and Inventor) and application sharing over the Internet (NetMeeting), students have the opportunity to experience real working world conditions where information is gathered and shared rapidly throughout the design process. Under these conditions, students experience first hand the most current technologies that support computer-aided design and a total computer-aided experience.

6.5.6 Faculty Loads: Faculty teaching, advising, and service loads shall be comparable to the faculty in other professional program areas at the institution. Consideration shall be given in faculty teaching load assignments to high contact hours resulting from laboratory teaching assignments. [*Standard was listed in Partial Compliance for Bachelor of Science concentrations in summary, but was listed in Compliance in report narrative.*]

Visiting Team Report:
Both B. S. & A. S. degrees
Each faculty has a workload of 15 units per semester. Teaching four classes accounts for 12 of those units (24 units per year). The remainder is accounted in committee membership, advisement, recruiting, and other pertinent tasks. However, consideration was not given in faculty teaching load assignments to high contact hours resulting from laboratory teaching assignments.

Program/Option: B.S. ***Industrial Technology, Supervision***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	X Compliance __Partial Compliance __Non-Compliance

5.5.6 Faculty Loads:

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health***	X Compliance __Partial Compliance __Non-Compliance

Current Program Status: The Department of Industrial Technology is in compliance for all curricular concentrations.

6.6.1 Admission and Retention Standards: Admission and retention standards shall be used to ensure that students enrolled are of high quality. These standards shall compare favorably with the institutional standards. Sources of Information may include admission test scores, secondary school rankings, grade point averages, course syllabi, course examinations, written assignments, and oral presentations. [*Standard was listed in Partial Compliance for Associate of Applied Science concentrations in summary, but was listed in Compliance in report narrative.*]

Visiting Team Report:
Both B. S. and A. S. degrees
SLU until this academic year was an open enrollment university. Admissions standards now exist that require an ACT composite of 20 or higher, and/or the use of grade point averages. The admission standards for I.T. are the same as for the University. Explicit standards for retention and probate are stated in the university catalog and are universal.

Program/Option: B.S. ***Industrial Technology, Supervision***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	X Compliance __Partial Compliance __Non-Compliance

5.6.1 Admissions and Retention Standards:

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	X Compliance __Partial Compliance __Non-Compliance

Current Program Status: The Department of Industrial Technology is in compliance for all curricular concentrations.

6.6.2 Scholastic Success of Students: Students in Industrial Technology shall have scholastic success comparable to those in other curricula in the institution. Grading practices in Industrial Technology courses shall be comparable to other departments and/or programs in the institution. Evidence shall be presented to indicate the scholastic achievement level of Industrial Technology students in both basic studies and major course work.

Visiting Team Report:
Both B. S. and A. S. degrees
SLU has a College of Basic Studies which serves as a transition academic and administrative College for both freshman and transfer students. Scholastic Success data for the beginning of the Fall 2000 Semester shows that I.T. students performed comparable to all other students at SLU (except the Dean's List.) Standings at the end of the semester showed that a higher percentage of I.T. students were on probation or were suspended then experienced by other classifications on campus. I.T. faculty should investigate the causes of this probation and suspension and take corrective action. The program has a peer tutor lab established to assist students i.e. physics and chemistry.

Program/Option: B.S. ***Industrial Technology, Supervision***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	X Compliance __Partial Compliance __Non-Compliance

5.6.2 Scholastic Success of Students:

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health***	__Compliance X Partial Compliance __Non-Compliance

Current Program Status: Preliminary research seems to indicate that more students are utilizing peer-tutoring services available for Associate Degree Concentration Majors. The Department of Industrial Technology has benefited from the implementation of the new enrollment standards. Statistical data indicate that the average ACT score for all Associate Degree students enrolled at Southeastern Louisiana University at the beginning of the fall 2001 and 2002 semesters was 18.1 and 19.9. The average ACT scores for Associate Degree Industrial Technology majors were 18.6 and 18.2. The academic standing of Industrial Technology Associate Degree students at the end of the fall 2001 semester listed 3.7% students suspended and 16.8% on probation. The average for all Southeastern Associate Degree students was 5.2% suspended and 19.6% on probation. At the end of the fall 2002 semester, the Associate Degree suspension rate for the University was 6.6% and the rate for Industrial Technology Associate Degree majors had fallen to only 5.2%.

6.8.1 Adequacy of Facilities and Equipment: Physical facilities and equipment, which are suitable to serve the goals and objectives of the program(s), shall be available for each program option. Where facilities and equipment appear to be minimal to support a quality program(s), comparisons with support levels for other relevant programs at the institution will be made by the visiting team.

Visiting Team Report:
The BSIT programs all have as a core requirement facilities and equipment to support instruction in Materials and Processes (IT 242), Principles and Metallurgy of Welding (IT 256) and Machine Tool Technology (IT 351). The laboratories for these courses provide support that is prerequisite to an additional 24 hours of Technical subjects. The machine tools and processing equipment in these labs provide only the most basic appreciation of metal cutting and welding processes. Contemporary machine tools and process equipment is required to provide quality laboratory work in the lower division courses and to support upper division studies.

The current enrollment in Industrial Technology and the projected growth of the program raises the question of adequate space for the classrooms and laboratories. The facility on the first floor of Anzalone Hall is adequate in square footage for the laboratories, however the University should update the equipment to reflect contemporary technology. Equipment should be supportive of the Automated Systems option. The tenor of the State of Louisiana is such to support state-of-the-technology reflected here.

Program/Option: B.S. ***Industrial Technology, Supervision***	__Compliance __Partial Compliance X Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	__Compliance __Partial Compliance X Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	X Compliance __Partial Compliance __Non-Compliance

5.8.1 Adequacy of Facilities and Equipment:

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health***	X Compliance __Partial Compliance __Non-Compliance

Current Program Status: Based upon the NAIT Visiting Team Report and exit interviews with the Southeastern Louisiana University Administration, $18,900 of end-of-year funds in 2001 was utilized to upgrade equipment in the supervision and automated systems areas. Over $80,000 in Carl Perkins Funds and $98,360 in Incumbent Worker Training Funds have been used to purchase laboratory equipment, which reflects contemporary industry as recommended by the NAIT Team. A list and photo documentation of new machine tool equipment, welding machines, milling machines, and lathes is available to support equipment and laboratory upgrades. A new $30,000 3-D printer was also purchased and will support the instruction delivery system in I.T. 242, 351, 442, and 444.

6.8.2 Support for Facilities and Equipment: Facility and equipment needs shall be reflected in the long range goals and objectives for the program(s), and sources of potential funding shall be identified.

Visiting Team Report:
Both B. S. & A. S. degrees
The Department and College performed an in-depth review of facility and equipment requirements to support their long-range plans and goals for Industrial Technology that culminated in a Capital Outlay budget Request for 1998-1999. This request would provide additional space by expanding Anzalone Hall and it would also provide equipment that would reflect contemporary industry and business. The request has not been granted to date, however favorable action on this would bring the Industrial Technology in compliance with this and related standards.

Program/Option: B.S. ***Industrial Technology, Supervision***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	__Compliance X Partial Compliance __Non-Compliance

5.8.2 Support for Facilities and Equipment:

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health***	__Compliance X Partial Compliance __Non-Compliance

Current Program Status: The Department of Industrial Technology submitted a plan to renovate room 214 of Anzalone Hall to reflect contemporary business and industry standards; the project was approved and preliminary work has begun. A $91,350 grant was obtained to support the Associate Degree Construction Technology Program and a $100,000 endowed professorship established to assist in program improvement 2002. As of July 2003, over $205,000 in external grant funding has been obtained to support the long-range goals and objectives for the Industrial Technology Program.

6.8.3 Appropriateness of Equipment: Equipment shall be appropriate to reflect contemporary industry.

Visiting Team Report:
The equipment for laboratories used in Drafting/Design option, CAD, Electricity/Electrons, Fluid Power, and Robotics courses is appropriate to reflect contemporary industry. However, the equipment in the core laboratories of the BSIT options is antiquated and does not reflect contemporary industry. The Internship option is the exception. IT 242, IT 351, and IT 256 are prerequisite to prime to IT 302, IT 306, IT 311, and IT 322. In addition to three foundation courses are essential to a quality learning experience while taking capstone courses such as IT 492, IT 407, and IT 408.

Program/Option: B.S. ***Industrial Technology, Supervision***	__Compliance __Partial Compliance X Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	__Compliance __Partial Compliance X Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	X Compliance __Partial Compliance __Non-Compliance

5.8.3 Appropriateness of Equipment:
Equipment in use in the three associate degree programs appropriately reflects contemporary industry. Classroom observations and reviews of syllabi give evidence of the use of current technology practices.

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health***	X Compliance __Partial Compliance __Non-Compliance

Current Program Status: A $110,000 grant was obtained in the 2002-2003 academic year to upgrade the automated systems laboratory. Also, an $11,000 grant was obtained in the 2003-2004 academic year to purchase virtual instrumentation equipment and software from National Instrument. This equipment will be utilized in IT 331, 442, and 444.

6.9.2 Utilization of Computer Systems: Evidence shall be available which indicates students and faculty are making adequate and appropriate use of computer systems.

Visiting Team Report:
Both B. S. & A. S. degrees
The team members visited laboratories and classrooms and observed the students and instructors using computers in executing assignments. The faculty continually utilizes computers in generating lesson plans and class examinations and assignments. The Department files are predominantly on disc. In the Drafting/Design classes it was felt that additional software should be in use such as CAE, Pro Engineer and/or Solidworks. The use of one or more of these would

bring the courses to a more contemporary level. Currently, the Drafting/Design option is utilizing one software (AutoCad) in all drafting and design classes offered.

Program/Option: B.S. ***Industrial Technology, Supervision***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	__ Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	X Compliance __Partial Compliance __Non-Compliance

5.9.2 Utilization of Computer Systems:

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	__ Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health***	X Compliance __Partial Compliance __Non-Compliance

Current Program Status: As recommended by the NAIT Accreditation Team, the Pro Engineer software package was purchased with Carl Perkins Grant funds immediately. The Department has also purchased the following software for use in the Drafting and Design Concentration:

- Pro-Engineering
- Inventor 5
- MasterCam
- AutoCad Version 2002 and 2004

Since the Team's visit, the number of computers available to students in the Industrial Technology department has also significantly increased. These computers are used both during and after classes to complete assignments and laboratory projects.

6.11.2 Utilization of Library Resources: Evidence shall be available which indicates that students and faculty are making adequate and appropriate use of library resources.

Visiting Team Report:
The B. S. & A. S. degree all options
Industrial Technology Faculty use interlibrary loan services very seldom: from July 1997-February 2001 they made only 28 requests. No IT faculty are on record as having used the Library's UnCover document delivery service. Nor do IT faculty use Reserves extensively. Available records indicate that in the fall 2000 semester 2 electronic files and 6 books were posted, and that for the fall 1999 semester 10 books were posted to reserves. No requests for in-class bibliographic instruction were received from IT faculty in the past 4 years.

Program/Option: B.S. ***Industrial Technology, Supervision***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	__Compliance X Partial Compliance __Non-Compliance

5.11.2 Utilization of Library Resources:

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	__Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health***	__Compliance X Partial Compliance __Non-Compliance

Current Program Status: As stated in 5.4.2/6.4.2 Reference Materials, positive steps have been initiated to move all curricular areas into compliance with the standard. Faculty have attended workshops sponsored by the Sims Memorial Library Staff and one was held within the Department of Industrial Technology.

6.12.1 Support Personnel: Personnel such as teaching assistants, student work-study assistants, secretaries and service technicians shall be adequate to support program objectives. [*Standard was listed in Partial Compliance for Bachelor of Science concentrations in summary, but was listed in Compliance in report narrative.*]

Visiting Team Report:
Both B. S. & A. S. degrees
The Department has one secretary and uses 2 to 3 work-study assistants. When the Department was within the College of Arts and Sciences there was one electronic engineer with a bachelors degree and certified who assisted in maintenance of electronic and computer equipment. Similar support is required now that the Department is in the College of Business and Technology.

The Carl Perkins Grant Program, in being since 1992, has been an outstanding source of support in student recruitment, retention, placement, and counseling. The Tech Prep Office has performed an invaluable service in developing relationships with industry and business resulting in direct input of industry needs by the Industrial Technology Program. Maintenance of all laboratory and consideration should be given to have a shop technician on staff.

Program/Option: B.S. ***Industrial Technology, Supervision***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Automated Systems***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Drafting Design***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: B.S. ***Industrial Technology, Internship***	X Compliance __Partial Compliance __Non-Compliance

5.12.1 Support Personnel:

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health***	X Compliance __Partial Compliance __Non-Compliance

Current Program Status: The Department of Industrial Technology is in compliance for all curricular concentrations.

5.16 Assessment Plan and Integration:

Visiting Team Report
The Construction Technology, a recent added option, has not been in existence long enough to acquire a database for use in program improvement.

Program/Option: ***A.A.S. Industrial Technology, Construction Technology***	__ Compliance X Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Design Drafting Technology***	X Compliance __Partial Compliance __Non-Compliance
Program/Option: ***A.A.S. Industrial Technology, Occupational Safety & Health***	X Compliance __Partial Compliance __Non-Compliance

Current Program Status: Follow-up studies of graduates and employer survey data indicate that students and employers are satisfied with the course and curricular instruction in the Construction Technology concentration. To date, five students have graduated and have been

successfully employed and four students have applied for graduation at the end of the fall 2003 semester. Statistical and demographic data is available for review if necessary. Several $10,000 endowed student scholarships, a new $100,000 endowed professorship, and two external grants totaling $121,350 for Construction Careers Academies have significantly strengthened this newest concentration.

INDUSTRIAL TECHNOLOGY
2002/2003 Annual Report

James R. Owens, Professor/Head
Professor: Louise Bostic
Associate Professors: Mike Asoodeh, Roy Bonnette, and Pete Territo, Jr.
Assistant Professors: Mike Beauvais
Instructors: Tony Blakeney, Tony Levata Lawrence Mauerman, and Ed. Rode'
Director Tech Prep/Outreach: John W. Searles
Secretary: Susan Koppenol

The Department of Industrial Technology held its semi-annual Advisory Committee meeting on November 20, 2002 in the Alumni Center. This advisory panel represents approximately thirty companies from the South Louisiana region. In addition to providing input into program design, these companies also employ many of the graduates of the Southeastern Louisiana University program and sponsor student internships. The two meetings per year at Southeastern provide the Advisory Committee with updates of new programs being implemented, department needs, professorship activities, and the status of long-term planning. Mr. Troy Allen, Manager of Safety and Health for Shaw Environmental and InFrastructure, Inc. discussed the objectives of the Advisory Committee and stated the importance of **ten key** objectives at the fall meeting.

The Department of Industrial Technology was well represented at the annual NAIT Conference, which was held in Panama City , Florida in November 2002. Five faculty/staff members made presentations at this conference from Southeastern Louisiana University. Southeastern students also participated and placed in the annual Industrial Robotics Competition and I. Q. Quiz Bowl.

The Department of Industrial Technology hosted the Louisiana Technology Education Fall In-service Workshop and the Tech Prep Office (Carl Perkins Basic Grant/Metro Tech Consortium) received an allocation of **$97,089** for the current fiscal year.

In January 2003, Southeastern Louisiana University's Department of Industrial Technology received a **$32,0000** contract with the Louisiana Department of Education. This project involved the review of industry-based certification standards and the development of curriculum guidelines for program implementation and/or evaluation. The curriculum guidelines also included the following content standards: communication, problem solving, resource access and utilization, linking and generating knowledge, and citizenship.

In February 2003, the Industrial Technology Department received a **$25,000** competitive grant to assist the Louisiana Technical and Community Colleges as they seek National Accreditation. A statewide workshop was held in Shreveport on April 3, 2003. In March 2003, the Department of Industrial Technology received **$20,000** to establish Endowed Scholarships for Trasie and Taylor Jeansonne. Also in March 2003, the Department of Industrial Technology received a **$30,000** grant to offer another Construction Careers Academy whereby two buildings will be constructed and donated to local organizations such as CASA.

On March 21, 2003, the Department of Industrial Technology hosted a Career and Technology Day. Approximately 63 seniors from a four Parish area got a hands-on look at careers in technology at Anzalone Hall. Guided by Southeastern Industrial Technology Faculty and Students, the high school guests observed and participated in various demonstrations from each area of study offered by the department.

In April, Southeastern Louisiana University was represented as Chairperson for a NAIT Accreditation Team Visit to Ivy Tech State College in Indianapolis, Indiana. The review consisted of five programs and thirteen concentrations. Also in April, the Southeastern Louisiana University Student Chapter of the American Welding Society (AWS) traveled to Detroit, Michigan to participate in the annual AWS Conference. The sponsor and students were presented a check for **$1,000** for their exemplary chapter activities.

INDUSTRIAL TECHNOLOGY
2003/2004 Annual Report

James R. Owens, Professor/Head
Professor: Louise Bostic
Associate Professors: Mike Asoodeh, Roy Bonnette, and Pete Territo, Jr.
Assistant Professors: Mike Beauvais
Instructors: Tony Blakeney, Tony Levata Lawrence Mauerman, and Ed. Rode'
Director Tech Prep/Outreach: John W. Searles
Secretary: Susan Koppenol

The Department of Industrial Technology held its semi-annual Advisory Committee meeting on November 7, 2003 in the Alumni Center. This advisory panel represents approximately thirty companies from the South Louisiana region. In addition to providing input into program design, these companies also employ many of the graduates of the Southeastern Louisiana University program and sponsor student internships. The two meetings per year at Southeastern provide the Advisory Committee with updates of new programs being implemented, department needs, professorship activities, and the status of long-term planning. Mr. Scott Barringer, Vice President of Pala Interstate, LLC and Advisory Committee Chairperson, reported that he was pleased with the way that SLU prepares graduates for today's industrial sector. He was also pleased with the advisory committee meetings because it is very important to keep up with changing technology in the field.

The Department of Industrial Technology was well represented at the annual NAIT Conference, which was held in Nashville, Tennessee in November 2003. Faculty/staff members made presentations at this conference from Southeastern Louisiana University. Southeastern students also participated in the annual Industrial Robotics Competition and I. Q. Quiz Bowl. The Department of Industrial Technology was also Accreditated through 2007 and Mr. Troy Allen was recognized as an "Outstanding Industrial Technologist" by NAIT.

The Department of Industrial Technology hosted the Louisiana Technology Education Fall In-service Workshop and the Tech Prep Office (Carl Perkins Basic Grant/Metro Tech Consortium) received an allocation of **$85,686** for the current fiscal year.

Southeastern Louisiana University's Department of Industrial Technology received a **$64,800** contract with the Louisiana Department of Education. This project involved the development of electronic lesson plans and the development of an industry-based safety curriculum guide for program implementation and/or evaluation for Louisiana Public Schools. The industry-based electronic lesson plans also included the following content standards: communication, problem solving, resource access and utilization, linking and generating knowledge, and citizenship.

In January 2004, the Industrial Technology Department received a **$22,219** competitive grant to assist Southern University-Shreveport, Delgado and Nunez Community Colleges as they seek to maintain National Accreditation Standards.

On October 31, 2003 and March 26, 2004, the Department of Industrial Technology hosted a Career and Technology Day. Over 100 junior and seniors from a four Parish area got a hands-on look at careers in technology at Anzalone Hall. Guided by Southeastern Industrial Technology Faculty and Students, the high school guests observed and participated in various demonstrations from each area of study offered by the department.

Also in March, Southeastern Louisiana University was represented as Chairperson for a NAIT Accreditation Team Visit to Indiana State University in Terre Haute, Indiana. The review consisted of ten self-study reports. Also in April, the Southeastern Louisiana University Student Chapter of the American Welding Society (AWS) traveled to Chicago, Illinois to participate in the annual AWS Conference.

In April, the Southeastern American Society of Safety Engineers (ASSE) Student Chapter traveled to Panama City, Florida to participate in conference activities. Also in June, the ASSE Student Chapter will travel to Las Vegas, Nevada to participate in the National ASSE Conference.

Southeastern Louisiana University

Technically Speaking

A publication of the Tech Prep Office

November 2003

A Word from the Department Head

Formulating a Plan

■ **by Dr. James R. Owens**

As we enter the Fall or "harvest" month of this year and begin thinking of what we are going to do next year, it is important that we formulate a PLAN. The Department of Industrial Technology has an annual retreat in August to reflect upon the past year, discuss successes and disappointments, and plan for the next year's activities. I requested that the faculty and staff establish a three year plan in addition to an annual plan of activities. This is important because Southeastern, in the year 2000, formulated a document called "Vision 2005" which included strategic priorities and strategies. The six strategic priorities that are providing the valuable road map to 2005 are:

Priority 1: *To recruit, advance, and graduate qualified students.*

The Department Of Industrial Technology, through the Tech Prep Office, sponsors the Career and Technology Day function for area high school students. Two successful Construction Career Academies have also been conducted through $130,000 of external grants.

Priority 2: *To address changes in a new community of learners through effective instruction and relevant curricula.*

The Department of Industrial Technology continually evaluates and upgrades course content and curriculum structure via input from the Industrial Technology Advisory Committee. The "IT" Department is also an active participant in the annual "Business and Technology Week" effort. All of the suggestions that were made by the

—See page 2

The LATAN Project

In the fall of 2003, Southeastern Louisiana University Industrial Technology and Construction Technology students partnered with Louisiana Assistive Technology Access Network (LATAN) and the "Doors to Inclusion: Universal Access Conference" for a program that was held at the Radisson Hotel & Conference Center in Baton Rouge, Louisiana.

These students were challenged to construct a module house of 1380 sq. ft. that would be built in component units, then shipped to Baton Rouge and assembled into a house that would display different aspects of access technology used in homes today. This project was completed on time with the assistance of Mr. Rodé, of Southeastern Louisiana University's Industrial Technology Department. LATAN greatly appreciated the work that the Southeastern students completed.

Construction Careers Exploration

June 2-20th 2003

In the spring of 2003, a grant was written by Mr. R. Edward Rode' from the Industrial Technology Department, through the Louisiana Community and Technical College System for the Post Secondary Perkins III Summer Partnership Grant in the amount of $30,000 for Construction Careers Exploration.

During the first 3 weeks in June 2003, Tangipahoa Parish High School Sophomores, Juniors, and Seniors had the opportunity to be part of the Construction Careers Exploration program that was held June 2-20. These local students had the opportunity to learn about careers in the areas of: Blueprint Reading, Surveying, Carpentry, Drywall, Plumbing, HVAC, Masonry, Cabinetry, Equipment Operations, Electrical, and Concrete Forming and Finishing.

There were many benefits for the students involved in the Construction Careers Exploration program. For example, they earned ½ Unit High School Credit, and were exposed to hands on instruction, soft skills instruction, job safety instruction, employment opportunities, and met industry representatives.

—See page 6

RESIDENTIAL CONTRACTORS

Continuing Education Courses

Southeastern Louisiana University's Department of Industrial Technology and the Office of Continuing Education has reestablished the continuing education courses for Residential Contractors.

The Southeastern Louisiana University courses will be offered as Internet classes that are accepted by the Louisiana State Licensing Board for contractors to obtain the required CEU's for the renewal of their license.

Interested parties should contact:
R. Edward Rodé
Department of Industrial Technology
Phone (985) 549-2092
Fax (985) 549-5532
erode@selu.edu

Inside Feature Story

SLU Industrial Technology Alumni Where are they now?

PALA-Interstate, LLC

Scott Barringer, Vice President
Started as Safety Director in 1989. He is now responsible for safety, quality assurance, human resources, heavy equipment management, and efficiency improvements throughout all departments and operations.

Will Benoit, Asst. Superintendent-Administration
Started as a project planner and estimator. He's now responsible for the administration of a $6 million maintenance contract.

Jeremy Guidry, Corporate Safety Coordinator
He is responsible for safety oversight of all field operations.

Michael Leblanc, Business Development
Started as a project planner, and was promoted to Project Engineer. He is now responsible for marketing and business development throughout the southern U.S.

Performance Contractors, Inc.

Dennis White, Project Manager
Has worked for Performance for 21 years. He graduated from SLU in 1982.

Performance Contractors, Inc. *(continued)*

Mike Krecko, Planner
Graduated from SLU in 1974, and has worked for Performance for 9 years.

Vernon Joel LaGrone, Quality Control Mgr.
Graduated from SLU in 2003, and has worked for Performance for 8 years.

Stephen Chapman, Project Services Coordinator
Graduated from SLU in 2000, and has worked for Performance for 3 years.

Jimmy Craig, Project Estimator
Graduated from SLU in 2003, and has worked for Performance for 3 months.

EXCEL Group

Joseph Lambart, EXCEL Safety Representative
Works as the safety representative for Dow Chemical in Plaquemine, La.

James Hubbs, EXCEL Safety Representative
Works as the safety representative for Exxon Mobile in Chalmette, La.

Estee Addison, EXCEL Safety Representative
Works as the safety representative for Dow Chemical in Plaquemine, La.

Formulating a Plan

—From front page

NAIT Accreditation Team concerning course software upgrades have been implemented and the Department of Industrial Technology has submitted a new Occupational Safety, Health, and Environment Bachelor of Science degree program proposal to the Louisiana Board of Regents.

Priority 3: *To foster the development and effective utilization of faculty and staff.*

The Department of Industrial Technology utilizes the Carl Perkins Tech Prep Office, Incumbent worker training funds, graduate assistants, and endowed professorships to address this strategic priority.

Priority 4: *To strengthen collaboration and partnership in internal and external communities.*

The Department of Industrial Technology again calls upon it's Advisory Committee and the Tech Prep Partnership to achieve success in meeting the established benchmarks necessary to demonstrate goal attainment.

Priority 5: *To enhance and utilize the physical and technological infrastructure.*

The Department of Industrial Technology, since 2001, has spent over $227,000 to purchase new laboratory equipment, which reflects contemporary industry as recommended by the NAIT Accreditation Team. A $110,000 grant was obtained in 2002-2003 to upgrade the automated systems laboratory and a $66,000 grant was recently submitted to upgrade Room 214 of Anzalone Hall.

Priority 6: *To increase, diversify, and effectively manage funding.*

Because in Louisiana we need to continuously search for "new" education dollars, the Department of Industrial Technology has placed considerable emphasis upon this strategic priority. Within the past two years, the Department of Industrial Technology has secured over $750,000 in external grants, which was more than any other department in the College of Business and Technology. More importantly, we have just concluded a visit by the Legislative Auditors office, and all of our projects passed with no exceptions.

In conclusion, all of the aforementioned activities would not have been possible without an extremely hard working and dedicated faculty and staff. Thanks to all who support Southeastern Louisiana University and the Department of Industrial Technology in it's quest for excellence.

Career & Technology Day

Career and Technology Day was held on October 31, 2003 at Southeastern Louisiana University. Over thirty-five high school juniors and seniors from East Ascension and Central High School came to SLU's Industrial Technology Department to learn about various subjects related to the industrial technology field. They also learned what SLU can offer them in furthering their education in this field.

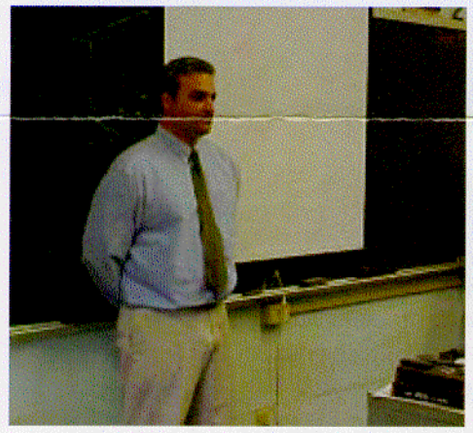
Students had the opportunity to choose between nine different areas of interest including: Blueprint Reading/Estimating, Robotics CAD/CAM, Welding/Foundry, Fluid Power/Material Testing, Safety and Environmental Science, Computer Aided Drafting, Web Page Design, PLC/Electronics, and Surveying. The Industrial Technology faculty made presentations throughout the day to the students in these subject areas. This event was hosted by the Tech Prep Office and the Industrial Technology Department.

BUSINESS & TECHNOLOGY WEEK

OCTOBER 13-16, 2003

The annual Business and Technology Week was held at Southeastern Louisiana University during October. This event, sponsored by the College of Business and Technology, is designed to bring the college closer to the community that it serves and to enable students to benefit from the experiences of real-world leaders. Guest speakers are chosen for their outstanding leadership throughout the region in business, industry, and government. Many speakers gave presentations for the Industrial Technology Department in Anzalone Hall on a variety of topics throughout the week. Some of the speakers during the week in the Industrial Technology Department are pictured on this page.

Sherri Fisher, an SLU Industrial Technology graduate, talked to students about Architectural Project Management. She is currently a Job Captain for Labarre and Associates, A.I.A., which is an architectural firm. She gave students good advice on what is needed to make it in the architectural industry and what classes at SLU were helpful to her, and how SLU has benefited her career. Students had the opportunity to look at blueprints, and ask questions about the drafting field.



Steven Larson, Facilities Engineer for Boeing of Houston, is also a SLU Industrial Technology graduate. He spoke to students about facilities planning, location, and design, as well as machine tool technology at Boeing. He gave students good advice on what opportunities are available with an Industrial Technology degree, and encouraged students to get involved in student organizations, student government, and to make as many business contacts as possible prior to graduation.

Several other speakers gave presentations throughout the week.

George Fairbanks, Chief Welding Inspector at Gonzales Industrial X-Ray, spoke to students about welding inspection and testing. He gave students information on codes, standards, specs, and testing methods in the welding field. He also did a welding demonstration.

Vaughn Klos, of Vector Graphics, spoke to students about 3D Solid Modeling Software. He shared with students the reasons he got into the industrial technology field, and also explained the differences between various software packages that are available on the market today.

IT Students Work on Historical Restoration of Civil War Submarine

Students from the Industrial Technology Department worked in conjunction with the Maritime Museum in Madisonville to help build a full size replica of the Confederate Civil War submarine, *The Pioneer*. Mr. George Fairbanks, Gonzales X-Ray, Dr. Roy Bonnette, and Mr. Tony Blakeney, SLU's Industrial Technology Department, coordinated the project.

The Pioneer was originally built in New Orleans in 1862. James McClintock designed the vessel, and shortly after it's construction, the submarine was sunk in the New Basin Canal due to the impending invasion of the Union Army. However, the submarine was used in Lake Ponchatrain during sea trials before being scuttled. After six years, the submarine was salvaged from the bottom of the canal only to be sold for scrap metal. While there are no detailed drawings of the submarine and her fittings, there are some accurate renderings that give insight into her construction. J.H. Shock, a fleet engineer in the Confederate Army, completed the first drawings. This was a typical orthographic drawing that illustrated both the interior and exterior of the boat from the top and side, but besides the overall length and diameter—few dimensions were given. The second drawing was an artistic rendering that gave indications of the ships hull design and the methods that were employed during her construction. The students in the design drafting concentration were able to reproduce detailed drawings that supported construction of the full size replica from these illustrations. Students also participated in the development of a solid model of the entire submarine on AutoCAD, and this model will be used as part of the display at the Maritime Museum.

Students who are members of the AWS participated in the construction of the submarine's midsection that is 4' in diameter and 11'2" long. The original midsection of *The Pioneer* was composed of six cylinders. Each cylinder was constructed from three pieces of ¼" steel plates that most likely, given the technology of the time, were heated and bent into shape. The steel plate used in the current project is identical in size and rolled into shape. The steel was donated by Trinity Marine in Madisonville and was rolled at Nugent Steel in Port Allen. The original sections of steel were riveted together using an internal backing plate at each seam. Under the direction of Mr. Fairbanks, students fitted and welded the cylinders together and backing plates were then added to lend the effect of using riveted construction. The museum built the ends of the submarine out of wood that will be textured and painted to give the appearance of steel construction.

The Pioneer made its debut at the Wooden Boat Festival in Madisonville on October 25, 2003. After the festival, the submarine will be on permanent display in the Maritime Museum in Madisonville. Plans are underway by the IT department, with the assistance of Mr. Fairbanks, to make a second replica using materials and processes that will replicate the technology that was available in the 19th century.

Fall Advisory Committee Meeting

The Industrial Technology Department held it's Fall advisory committee meeting on Friday, November 7, at the SLU Alumni Center. The advisory panel represents approximately thirty companies from the South Louisiana area, as well as faculty and staff from the Industrial Technology Department.

Left to right: Dr. James Owens, Department Head; Mr. John Searles, Tech Prep Director; and Mr. Scott Barringer, Committee Chairman

Topics discussed at the committee meeting focused on the current status of departmental programs. The advisory meetings are also a time that the IT Department provides advisory committee members with information on department needs, new programs, and of the status of long term planning. Most importantly, the committee meetings provide a time for informal discussions concerning both program development and industry needs through sub-committee meetings on manufacturing, construction, drafting/design, and OSH&E.

Dr. Randy Moffett, SLU President, welcomed the group and noted that SLU is headed in the right direction and that the IT Department is taking extra steps to ensure success. Scott Barringer, Advisory Committee Chairperson, reported that he was pleased with the way that SLU prepares graduates for today's industrial sector, and that he is pleased with the advisory meetings because it is important to keep up with the changing technology in the field. Kenneth Ridgedell, SLU Career Services Director, provided information on what the Office of Career Services can do to help assist students in finding jobs and employers in placing new graduates in jobs. One of the ways they do this is by providing on-campus interviews.

In addition, faculty members from the IT Department spoke about current departmental news. They reported that the departmental labs have gone through a major transition over the last five years, in order to improve technology. Mr. Searles, Tech Prep Director, finished up the meeting by noting some bright spots over the year. He reported that the economy is picking up and that he is pleased with the number of job opportunities becoming available for new graduates.

Among the Best in the Nation

■ **by Troy Allen, Chairman, Industrial Technology Advisory Committee**

Over the past year I have had the honor of being the Chairman of SLU's Industrial Technology Advisory Committee. The purpose of the committee is to bring business & industry leaders together, along with the faculty of the IT Department, in an effort to continually improve the curriculum and programs at SLU.

In recent years, the Advisory Committee has been involved in the development of the Construction Technology and OSH&E Programs along with contributing in the enhancement of existing curriculums within the department. This concerted effort has proven to be a very successful partnership and has served to address industry demands through the enhancement the future capabilities of the students and their prospective employers.

Accordingly, I wanted to take this opportunity to challenge both graduates and students alike to give back to SLU whenever the chance arises and continue to support the efforts for advancing the very institution that has given you so much. Like the alumni before you and the alumni to come, we can all benefit from continually assisting in the improvement of the department. Whether it is from your own educational upgrade, through taking a newly developed course, or from hiring a recent graduate, there are countless ways in which we all benefit from giving back.

There are many Louisiana employers who are in need of qualified graduates and SLU has always shown that its graduates are among the best in the nation. Through the product of partnership between Business, Industry, and Southeastern, it has been proven many times over that our collective, creative vision has been beneficial for all, and your future support to SLU is greatly appreciated.

ADDA Officers 2003-04

Left to Right : Secretary/Treasurer: Annie Labruzzo; Vice President: Rose Corder (Senior); President: Erin Burge (Senior)

Construction Careers Exploration

—From front page

The educational sponsors for this program were Ed Rodé, Donna Seale and John Searles. The sponsor for the Tangipahoa Parish School System was Daniel Keen, Vocational Coordinator for Tangipahoa Parish Schools.

Business/Industry and Educational Partners for this program included: Work Construction Company, Lafarge Corporation, Crapanzano Brothers, Inc., Tycer Ready Mix, Inc., Pot-O-Gold, Holly and Smith Architects, Inc., Wainwright Real Estate, Inc., GGH an Architectural Corp., Southern Pipe and Supply, Professional Communications Inc., A/C Supply, Inc., Southeastern Louisiana University, Tangipahoa Parish Schools, and River Parishes Community College.

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SLU 10842
Hammond, Louisiana 70402

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Spring 2004

TECHNICALLY SPEAKING

SPRING CAREER AND TECHNOLOGY DAY

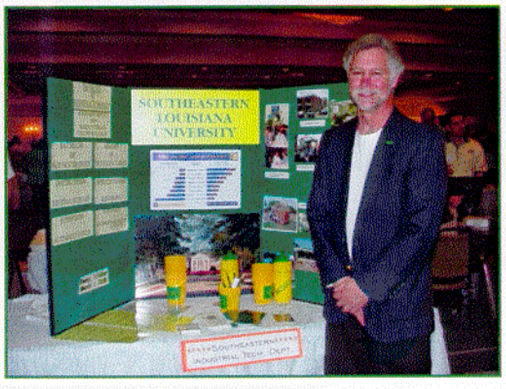
The Industrial Technology Department and the Tech Prep Office hosted its semi-annual Career and Technology Day on March 26, 2004. Approximately forty-five local high school students from Livingston and Tangipahoa Parishes participated in the event. This event provides high school juniors and seniors the opportunity to investigate careers in Robotics, CAD/CAM, Drafting/Design, Electronics, Construction, Safety and Environmental Sciences, and other technical areas. Industrial Technology faculty gave presentations throughout the day on the various topics related to Industrial Technology, and students also participated in the demonstrations. Through this activity, students have a chance to see the connection between education and the workplace, and to think about a future in the Industrial Technology field. Lunch was prepared by the NAIT and AWS student organizations. Dr. Budden, Dean of the School of Business and Technology, addressed the students during lunch and welcomed them to Southeastern.

See page 2 for more pictures.

Dr. Owens, Head of the IT Department, welcomes students to Career and Technology Day

TANGIPAHOA HOME BUILDERS ASSOCIATION
IT FACULTY REPRESENTS SLU

Mr. Rode' *(pictured at right)* represented Southeastern and the IT Department at the 2004 Home Show held on March 9, 2004. Mr. Rode is an instructor of Construction Technology at Southeastern. He was able to share information about Southeastern's Construction Technology Program with those attending the Home Show.



CAREER AND TECHNOLOGY DAY SPRING 2004

Dr. Bonnette, CAD

Dr. Beauvais, Machine Tool Technology

Mr. Stutts, Industrial Fluid Power

Mr. Blakeney, Welding

Lunch

Mr. Levata, PLC/Electronics

Dr. Bostic, Web Page Development

Dr. Asoodeh, CAM

Mr. Mauerman and OSH rep, Safety

Industrial Technology Scholarship Recipients

The Industrial Technology Department has several scholarships which are awarded to students each year. This year's recipients were honored at the College of Business and Technology Honors Convocation on Thursday, April 29, 2004.

The following students received scholarships this year:

- **Anthony Catalanatto** received the Taylor Jeansonne Scholarship
- **Jason Shevchuk** received the Tracie Jeansonne Scholarship
- **Johnny Winingham** received the Theodore G. Betz Scholarship
- **Henry Blount** received the Francis C. St. Blanc Scholarship
- **Annie Labruzzo** received the Walter L. Drott scholarship
- **Debbie Adams** received the Linda Sullivan scholarship
- **Jerry Muller** received the Thomas Utsey Memorial Scholarship
- **Justin Morgan** received the Joey Lewis Memorial Scholarship in the Fall 2003.

A Word from the Department Head, Dr. James Owens

Over the past several months, the Department of Industrial Technology has made many accomplishments.

In January, 2004, the IT Department received a $22,219 competitive grant to assist Southern University-Shreveport, and Delgado and Nunez Community Colleges as they seek to maintain National Accreditation status.

On March 26, 2004, the IT Department hosted a Career and Technology Day where over 40 juniors and seniors from area parishes got a hands-on look at careers in technology at Anzalone Hall. Guided by Southeastern Industrial Technology Faculty and students, the high school guests observed and participated in various demonstrations from each area of study offered by the department.

Also in March, Southeastern was represented as Chairperson for a NAIT Accreditation Team Visit to Indiana State University in Terre Haute, Indiana. The review consisted of ten self-study reports. In April, the Southeastern Student Chapter of the American Welding Society (AWS) traveled to Chicago, Illinois, to participate in the annual AWS Conference.

Also in April, the Southeastern American Society of Safety Engineers (ASSE) Student Chapter traveled to Panama City, Florida, to participate in conference activities.

In June, the ASSE Student Chapter will travel to Las Vegas, Nevada, to participate in the National ASSE Conference. This semester, the safety program also donated supplies to Child Advocacy Services in Hammond to assist abused and neglected children.

From left, Mr. Mauerman, IT faculty; Johnny Winingham; Court Appointed Special Advocate Representative; Debbie Adams

Annie Labruzzo Receives Outstanding Student Award Spring 2004

Annie is a senior in the Industrial Technology Department and was selected outstanding student from 3645 students in the College of Business and Technology.

Industrial Technology Department Helps High School Class Design Rockets

On Friday, March 12, 2004 Hammond High School physics students tested homemade rockets at Southeastern Louisiana University, which they had made with the assistance of the SLU Industrial Technology Department.

Dr. Beauvais assists students with their rockets

Dr. Michael Beauvais, of the Southeastern Industrial Technology Department, and Hammond High School teacher Shelly Gaydos coordinated the project, along with Southeastern's student chapter of the National Association of Industrial Technology.

The project was a perfect example of the application of math and science to real world problems, relevant to the field of industrial technology.

Through the project the students also gained confidence that they could make something themselves that works.

FUNDING FOR THIS NEWSLETTER IS PROVIDED BY THE CARL D. PERKINS BASIC GRANT.
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