

School of Engineering

CHRISTIAN BROTHERS UNIVERSITY

News - September 2000

THE RESULTS ARE IN

Once again CBU is in the top tier of Southern universities, according to the recently published *U.S. News & World Report* rankings of top colleges in the country. The **School of Engineering** is again recognized as **one of the best undergraduate engineering schools** (not offering a doctorate program).



EARLY IDENTIFICATION PROGRAM

For more than twenty years, CBU School of Engineering has offered a summer program, the Early Identification Program - EIP, to rising high school seniors and rising college freshmen. They came to explore engineering as their career. Thanks to the **International Paper Foundation** for their funding that allowed us to provide this program free of charge to these students.

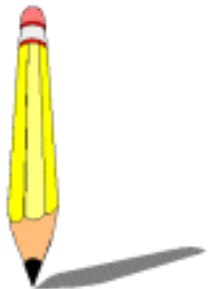
As part of the program requirements, students were asked to write an essay entitled "Why Engineering is or is not for me." Below are excerpts from these essays:

- "Although I have decided not to be an engineer I am very glad that I had the opportunity to attend this course. If I did not participate in the EIP Program, I probably would have wasted a year in college taking engineering courses. Also, I will get college credit for pre-calculus and will be much better prepared for AP Calculus next year. I made some great friends over the past few weeks and have had a fun time playing pool with them during our breaks. I have been able to meet some of the professors that teach at Christian Brothers University and they all have great personalities and are easy to get along with. These friendly teachers have made CBU one of the top choices of colleges for me."
- "The main reason I came to this program was to make sure



computer was right for me. I can honestly say I learned much from this program. I learned from my engineering design professor how to make a motor run and how to work with my peers to get a job done."

- "I want to first take time to express my gratitude for being chosen to be in the EIP Program at CBU. These last five weeks have been a remarkable and certainly an unforgettable treasure. I have learned about engineering design from an excellent teacher with many years of experience and expertise in electrical and mechanical engineering. I learned to be a pre-calculus whiz from an awesome teacher who loved sharing information when it was about math, golf or life. Most of all I made wonderful friends, one especially, that I will carry with me for the rest of my life."
- "Thanks to EIP I learned a lot that I needed to know. I have absolutely no regrets about giving up the last five weeks of my summer for this program because it was entirely worth it. I identified exactly what I like doing and how I was going to go about doing it."
- "Everything about this field excites me. In this field, I am able to make changes in the world around me each and every day. CBU has given me a golden opportunity that I will never forget. I could not expect this from any other institution."
- "I found myself thinking that if CBU has this much student/teacher interaction, then this would not be a bad choice at all for a college. I think it offers something that most students need. That something is an actual relationship between teachers and students. I really admire that."
- "I decided to attend this program because it seemed like a good opportunity to familiarize myself with the area of computer engineering. The Early Identification Program has helped me to finalize my decision to become a computer engineer. The Design Graphics Class in particular has taught me a great deal about computer-aided drafting, as well as challenged me to develop my computer and problem-solving skills."
- "I have a much greater respect for engineers and appreciate what they do for us and the city."



- "Other colleges' engineering professors didn't even seem like they were alive. Everything that came out of their mouths was "blah, blah, blah" to my ears. They had no enthusiasm or passion for their work. However, at CBU the professors are well and alive."

For more information about the EIP program and if you want to know how you can help the program, please contact the program director, **Ms. Denise Roberts**, at droberts@cbu.edu.

STUDENT NEWS

Welcome to the Engineering Management Graduate Program:



- **Daniel Barulli** of Federal Express
- **Brandon Brooks** of Carrier Corporation
- **Cassandra Dillon** of Federal Express
- **Dan Estes** of Rentenbach Engineering Company
- **Brian Kearney** of the City of Memphis
- **John McKissack** of Kele and Associates
- **Joseph Polk** of the Memphis Shelby County Airport Authority
- **Michael Wiseman** of Carrier Corporation
- **Daniel Youker** of Baxter PPI

Jason Deweber (Civil Engineering) married Candace Lee Hicks on August 5, 2000, at Shelby Forest Baptist Church in Millington, TN. Congratulations!

ALUMNI NEWS

After graduation last May, **Komal Shah** (ChE'00 and former MEM program assistant) was in Europe for about six weeks attending the University of Vienna for a summer German course. She then traveled for about two weeks in Germany and Italy. Currently, she works with her father at a plant in India on weekdays and attends a diploma course on Intellectual Property Rights and Patent Law on weekends. She said, "It's quite different from engineering courses."

Thomas Malone (ME '00) worked during the past summer as an intern at the Electro-Hydraulic Control Sub-System Department at the Ford Motor Company in Michigan. His main focus was coordinating a test program for the 5R110W Transmission Clutches. This fall, he starts his graduate studies in mechanical engineering at Mississippi State University under a national fellowship sponsored by the Graduate Degrees for Minorities in Engineering and Sciences.



Jeremiah Davis (ME'00) is currently working with Parker Hannifin Corporation, Automotive Connectors Division in Troy, Michigan. The division is a supplier of automotive A/C plumbing to Chrysler vehicles, such as Dodge Ram trucks and a soon to be Chevy Suburban/Ford Excursion style vehicle that Chrysler hopes to launch in 2004-2005. Parker Hannifin is a Fortune 500 Company with \$6 billion in annual revenues.

Patricia Raniszewski (CE'00) is working at EnSafe in Memphis, TN. **Justin Brownlee** (ME'00) is working at FedEx (also in Memphis) as a Powerplant Engineer.

Eric Criswell (CE'99) had his first baby, Abbey Nicole Criswell, on July 9th. She weighted 8 lb 10 oz and measured 21 inches. Congratulations!

Amy (Kueter) Patrick (CE '92) and **Steve Patrick** (CE '92) are the proud parents of Lauren Marie Patrick, born June 8, 2000. This is their third child. Their other two children are Steven Daniel Patrick (4 years old) and Brian James Patrick (2 years old). Steve left the Arkansas Dept. of Environmental Quality and has been with GBMc & Associates since August as an environmental project engineer.

FACULTY NEWS



Dr. Paul Shiue

Dr. Paul Shiue (CBU Mechanical Engineering) and Greg Maksi (State Tech) offered a workshop entitled "Implementation of Advanced Computer Technology (CAD/CAM/CNC/CIM including Pro/Engineer) as Used in Undergraduate Education" last June. The workshop was under the Chautauqua Faculty Development Program which is funded by the National Science Foundation. Participants of the workshop came from many states.

Thanks to **Dr. Neal Jackson, Dr. Fred Terry, Br. Louis Althaus, Dr. Bob Blanks, Mr. Gene McGinnis, Dr. Ray Brown, and Mr. John Ventura** for attending the Academic Reception on Saturday, August 19, 2000. They met informally with engineering incoming freshmen and their parents.

Engineering Faculty Search:

- The Department of Civil & Environmental Engineering at Christian Brothers University invites applications for a tenure-track or visiting position in structural engineering starting in the fall of 2001. Qualifications include a demonstrated ability in leadership and a commitment to



Dr. Ray Brown, P.E.

teaching. Professional activities and research are a plus. Candidates must have a B.S. in Civil Engineering and a Ph. D. in Structural Engineering or a related area. Good communication skills are required. A registered professional engineer status is preferred. A P.E. will be expected within four years if the successful candidate does not have one at the time of application. For more information, please contact **Mr. Gene McGinnis**, CEE Department Chair, at gmcginni@cbu.edu.

- Department of Electrical and Computer Engineering invites applicants for tenure-track and visiting faculty positions in the areas of computer engineering, communications, digital signal processing and electronics. Primary consideration will be given to applicants in these areas, although qualified applicants in other areas will be considered. Positions will be filled as applications are received and the search will terminate when all positions are filled. A Ph.D. in EE, ECE or a closely related field and a commitment to quality teaching from the freshman through the senior level are required. For more information, please contact **Dr. Eric Welch**, ECE Department Chair, at ewelch@cbu.edu.

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