IPFW Department of Computer Science
Professional Advisory Board Recommendations
4/20/2017

• PAB members are excited about the current direction of the Computer Science Department. The PAB was very interested in opportunities to meet, and talk with students. The PAB was also enthusiastic about the opportunity to give presentations to students regarding real world experiences of developers after college.

• The PAB would like to encourage the department to investigate providing course offerings consistent with new technologies required in the workplace. We would encourage the department to consider course offerings for the following:
  o Continuous integration and deployment.
  o Automated testing.
  o Database design, and development.
  o Cloud technologies
    o Cloud Computing
    o DevOps

• The PAB is concerned that recent graduates don’t have full understanding of object-oriented principals and design patterns. The PAB would recommend that the department focus more on instructing students how to craft quality code, and understanding the theory behind object-oriented development.

• In order to increase enrollment, the PAB would recommend that IPFW drive to be known as a “specialist” school in a particular field. The PAB recommended that one of the following areas would be desirable.
  o Analytics
  o Machine Learning
  o Cyber Security
  o Robotics

• The PAB has noticed that a large number of new graduates don’t possess skills in standard professionalism, and would recommend that the department create learning opportunities such as mock interviews, and how to dress in the workplace. The PAB feels this would benefit both the students and potential employers.