

## 2022 Industry Advisory Committee Meeting Minutes

October 21, 2022, 8:25 am

Rolfe Sassenfeld conducted the 2022 Industry Advisory Committee Meeting

The meeting was held in Room 301, Engineering Complex III, NMSU Campus.

### Attendees:

#### Faculty

Philip Braker ICT Program Coordinator/Assistant Professor NMSU

Bárbara Gamillo – IET Program Coordinator/Associate Professor NMSU

Gabe Garcia - Dept Head ETSE

Mark Lawrence – Professor of Practice NMSU

Rolfe Sassenfeld – M-IT Coordinator Professor NMSU

#### IAC members

Michael Alvillar - Peraton

Thomas Bunton - NMSU

Christopher Olsen - Los Alamos National Labs – Solutions Architect

Robert Doyle – NMSU

Jon Juarez - DACC

Piyasat Milkaew - Cisco

Art Trujillo - NMSU

#### Students

None

## 8:30 Welcome and Introductions

The meeting was called to order by Rolfe Sassenfeld at 8:320 am, October 21, 2022

Dean Gacia thanked all of the attendees and continued with a discussion on how we could grow the ICT/MIT program.

Introduction of all attendees.

## 9:10 Last Meeting Minutes

Professor Sassenfeld moves to accept 2021 IAC minutes, Professor Lawrence 2nds. The minutes were approved unanimously.

## 9: 15 Since the Last Meeting

### ICT enrollment

ICT was trending down during COVID and is now trending up currently around 201 students.

### IET enrollment

Continues to trend down

### ETSE enrollment figures

New students for the department are trending up, and this is mainly due to ICT.

### Master of Information Technology

It is continuing to grow and is top of the online graduate program. 122 students applied, and 119 were accepted – great applicants. Program retention of 97%.

### Current curriculum, course offerings & structure.

ICT - The ICT program has four pathways for two-year students cyber defense, network technologies, software development, and General. There will be ten core courses (consistent across all four pathways) and four tech electives for each pathway. The four-year program has also been approved, including six additional courses for the first two years. We are currently accredited under the NMSU HLC and working on being accredited by ABET under the computing commission.

MIT - Using the MAP program will drop the requirements from 10 courses to a minimum of six courses to graduate. Working on an articulate agreement with Northern New Mexico. Created a pathway for Business. The New Mexico Consortium is working toward creating Internships.

## 9:50 – 10:00 Break

## 10:05 Program Objectives and Outcomes

### Review objectives

Covering existing PEOs that were approved in 2021 with the IAC

### Record IAC Vote

Objectives and Student Outcomes (vote) – A motion to keep PEOs written for IET and also adopt these PEOs for the ICT program. Professor Lawrence moves to accept PEOs as written, Professor Sassenfeld 2nds. The adoption of PEOs is approved unanimously.

## 10:15 Student Pathways and accreditation

### ICT Program educational paths

Discussed before the break.

### ABET accreditation

Discussed before the break and additional material discussed current objectives and the requirement for discrete math for ABET. The accreditation process will be on a different accreditation cycle than Engineering since we will be under Computing. Hopefully, 23-24 or 24-25.

### National Centers of Academic Excellence – NSA CAE-CD

NMSU ICT is currently working with the National Centers of Academic Excellence – NSA CAE-CD to get the ICT and NMSU approved. We are waiting on the time slot notification from the NSA to proceed.

NSA-CAE oversight board to be merged with IAC (vote) – Move that the IET, ICT, and MIT IAC also become the oversight committee for the ICT NSA CAE-CD. Professor Lawrence as moved, and Professor Sassenfeld 2nds. The motion adopts unanimously.

## 10:45 Other Items

### Student Recruitment

ICT program now advises ICT students and is currently looking into retention and working with students to find the correct program. CAAS does not do a good job of understanding any of these technical degrees.

### Incorporate the National Centers of Academic Excellence program into the current IAC

See above

### Other industry suggestions/ Open discussion

What can be done to get more students to understand the differences between CS and IT?

Discuss face-to-face vs. online

Interest in a Job Board for the students.

### 11:35 Adjourn

Professor Lawrence moves to adjourn the 2022 IAC meeting, Dr. Bunton 2nds. The adjournment is approved unanimously.

Submitted by: Mark Lawrence