Information Technology Advisory Meeting

Spring 2017 Meeting Minutes

February 10, 2017 @ 1:00 pm

MSCTC Moorhead B150

**Members Attending**

Non-state employees

James Anderson James.Anderson@westfargond.gov

Kris Boland KBoland@nodakmutual.com

Greg Depee gdepee@kwh.com

Randy Holcomb randolph.holcomb@usbank.com

Johan Lucas BAREND.LUCAS@usbank.com

Jason Peterson Jason.Peterson@minnesota.edu

Tim Sanden tsanden@kwh.com

Carrie Scarr carrie.scarr@westfargond.gov

Don Stieha Don.Stieha@titanmachinery.com

John Tassava John.Tassava@gmail.com

State employees

Dan Carter

Steve Erickson

Deb Flaskerud

Joanna Jesser

Sunny Kamath

Tim Preuss

* The chair, James Anderson, welcome the group.
* Each member of the group introduce her/himself.
* A motion to approve the past minutes made and second. The past minutes approved.

Proposed Information Technology – Database Administration

* The Information Technology – Database Administration - AAS plan presented is at <http://brazil.mait.example.org/advisory/advisory.html#Meeting_Agendas> .
* Proposed Program Name
  + The group discussed the program name.
  + The group consensus is the proposed name is good.
  + The group did allow for the possibility for a name change to meet a college need.
* Proposed Program Plan discussion
  + The group discussed the math requirements.
  + The group discussed the need for statistics. The group consensus recommends the inclusion of a statistics class.
  + The group discuss the course of study and employment focus. The group did not dissent the employment areas listed in the proposed program description.
  + The group discussed the importance of SQL classes.
  + The group discussed the importance of technical electives.
    - The group encouraged an internship as an elective option.
    - The group discuss technical electives supporting a well-rounded individual able to continue learning.
* Proposed Program Plan Cisco 1 discussion
  + The group discussed the need for Cisco 1 class material.
  + The group discussed moving the Cisco 1 class to another semester and student ability to deal with the material.
* Proposed Program Plan MnTC (Minnesota Transfer Class or general education) elective discussion
  + The group discussed the possibility of requiring a speech class.
  + The group seem satisfied with the speaking opportunities within the classes. The group did not recommend requiring a speech class.
* The group consensus is approve the creation of the proposed Information Technology – Database Administration plan as presented.
* Group members may email faculty with additional thoughts.

Proposed Network Administration & Security

* The Network Administration & Security - AAS plan presented is at <http://brazil.mait.example.org/advisory/advisory.html#Meeting_Agendas> .
* The group discussed the use of service busses.
* The group discussed teaching Bluetooth pairing and troubleshooting.
* The group discussed the Microcomputer Maintenance and IT Essentials classes.
* The group discussed the Web Engineering 1 as required or elective. The consensus is leave Web Engineering as an elective.
* The group discussed the importance of technical electives.
  + The group discuss technical electives supporting a well-rounded individual able to continue learning.
  + The group supported adding the following as technical elective options for students in this program.
    - SQL 1 and SQL 2
    - Cisco 3 and Cisco 4
    - Web Engineering 1 and Web Security
    - Linux 2
    - Computer Science 1 and Computer Science 2
* The group discussed the philosophy to embed security early in the design process.
* The group discussed the need for programming ability.
* The group discussed graduates need to know networking and security.
* The group consensus is approve the presented modification of the Network Administration & Security – AAS program plan as presented.
* Group members may email faculty with additional thoughts.

Proposed Information Technology - AS

* The Information Technology - AS plan presented is at <http://brazil.mait.example.org/advisory/advisory.html#Meeting_Agendas> .
* The group told about MSUM (Minnesota State University Moorhead) Computer Science/Information Technology chair would approve the plan if the advisory group approves.
* The group discussed the Microcomputer Maintenance and IT Essentials classes.
* The group discussed the addition of the Robotics class to support IoT (Internet of Things) education.
* The group recommends moving College Algebra to the same semester with Web Engineering 1.
* The group consensus is approve the presented modification of the Information Technology – AS program plan as presented.
* Group members may email faculty with additional thoughts.

Discussion of new trends

* The group discussed cloud environments.
* The group discussed programming languages.
* The group suggested the possibility of Vex robots and Arduinos as budget requests.
* The group discussed 3D printing.
* A motion to adjourn made and second. The meeting adjourned base on group consensus.