Program Coordinator: J. N. Edwards

The curriculum for the GPS/Online Information Technology (IT) program is built upon the Association of Computing Machinery (ACM) Curricular Model and embodies the goals and outcomes as articulated by the ACM.

Traditional students can elect to complete this program by taking all of their major courses in online format. Once they begin, just as the students on the GPS side do, they will take three (3) five-week courses each semester online in addition to any other courses they might be enrolled in on-ground. Each student elects a four-course concentration in one of the following areas: Cybersecurity, Network Management, or Information Systems. The concentration occurs within the last two semesters of the program.

Upon acceptance to the program, students are required to submit their top choices of the three concentrations, in order of preference. Concentrations are offered dependent upon student demand and every effort will be made to honor the first choice.

The various courses of study provide graduates with the skills and knowledge to fill appropriate professional positions or to pursue graduate study. ACM guidelines state that students must be able to:

1. Explain and apply appropriate information technologies and employ appropriate methodologies to help an individual or organization achieve its goals and objectives;
2. Manage the information technology resources of an individual or organization;
3. Anticipate the changing direction of information technology, and evaluate and communicate the likely utility of new technologies to an individual or organization; and
4. Understand scientific, mathematical, and theoretical foundations on which information technologies are built.

Program Outcomes
Students will demonstrate the following skills upon graduation:
1. Graduates will demonstrate general knowledge.
2. Graduates will demonstrate specialized knowledge of concentration area (Cybersecurity, Network Management, or Information Systems).
3. Graduates will communicate effectively with all stakeholders (academic and workplace).
4. Graduates will recognize the importance of privacy and security in the information technology environment.

**Computer and Software Requirements**

Students are required to have a PC laptop with Microsoft Office 2010 including Microsoft Access. Please note that Microsoft Access is not currently compatible with the Apple operating system.

**Information Technology Major Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 3210</td>
<td>Management of Organizations</td>
<td>4 s.h.</td>
</tr>
<tr>
<td>TCOM 2420</td>
<td>Professional Writing for Information Technology</td>
<td>4 s.h.</td>
</tr>
<tr>
<td>ITEC* 2010</td>
<td>Introduction to Information Systems</td>
<td>4 s.h.</td>
</tr>
<tr>
<td>ITEC 2700</td>
<td>Foundations of Information Technology</td>
<td>4 s.h.</td>
</tr>
<tr>
<td>ITEC 3450</td>
<td>Database Management</td>
<td>4 s.h.</td>
</tr>
<tr>
<td>ITEC 3460</td>
<td>Systems Analysis</td>
<td>4 s.h.</td>
</tr>
<tr>
<td>ITEC 3710</td>
<td>Cloud Computing</td>
<td>4 s.h.</td>
</tr>
<tr>
<td>ITEC 3755</td>
<td>Current Issues in Technology</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ITEC 3780</td>
<td>Final Portfolio</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ITEC 4990</td>
<td>Comprehensive Assessment</td>
<td>0 s.h.</td>
</tr>
</tbody>
</table>

**Common Major Requirements**

- 32 s.h.

**Concentration Requirements**

Students will choose a Concentration in Cybersecurity, Network Management, or Information Systems.

*The ITEC course designation was approved by the Faculty to be implemented in Spring 2016. ITEC courses were previously labeled DMIS (Digital Media and Information Systems). DMIS designations will exist in Fall 2015 but not Spring 2016.*
Cybersecurity Concentration
ITEC 3760
    Information Security ................................................................. 4 s.h.
ITEC 3761
    Information Security Policy ...................................................... 4 s.h.
ITEC 3762
    Computer Forensics ................................................................. 4 s.h.
ITEC 3763
    Information Security for Mobile Devices ................................. 4 s.h.

Total.......................................................................................... 16 s.h.

Network Management Concentration
ITEC 3500
    Network Management ............................................................... 4 s.h.
ITEC 3510
    Wireless Network Management ............................................... 4 s.h.
ITEC 3520
    Mobile Network Management ................................................ 4 s.h.
ITEC 3530
    Enterprise & Wide Area Networks ........................................... 4 s.h.

Total........................................................................................... 16 s.h.

Information Systems Concentration
ITEC 3500
    Network Management ............................................................... 4 s.h.
ITEC 3760
    Information Security ................................................................. 4 s.h.
Any two of the following courses:
ITEC 3510
    Wireless Network Management ............................................... 4 s.h.
ITEC 3520
    Mobile Network Management ................................................ 4 s.h.
ITEC 3530
    Enterprise & Wide Area Networks ........................................... 4 s.h.
ITEC 3761
    Information Security Policy ...................................................... 4 s.h.
ITEC 3762
    Computer Forensics ................................................................. 4 s.h.
ITEC 3763
    Information Security for Mobile Devices .................................. 4 s.h.

Total.......................................................................................... 16 s.h.