Program Outcomes Assessment

BS in Information Technology

Created on: 06/07/2010 09:21:00 AM CST
Last Modified: 11/11/2014 01:10:05 PM CST
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<td>Assessment Findings</td>
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</table>
General Information (Program Outcomes Assessment)
Standing Requirements

Mission Statement
This major provides students with a real world, hands-on program that bridges the gap between computer scientists and general users. The Information Technology Program is multidisciplinary, and involves the Departments of Mathematics and Computer Science; Electronics and Computer Technology; Management Information Systems; Geology, Geography, and Anthropology; and Communication. Students majoring in Information Technology will be prepared for entry-level positions in networking, database development and administration, web programming and development, applications development, digital communication, and digital multimedia.

Outcomes Library

| BS in Information Technology Outcome Set |

1: Apply general knowledge to IT issues
An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>1: Use mathematics</td>
<td>Foundational Studies: 2. Critically evaluate the ideas of others., IIIa. Quantitative Literacy</td>
</tr>
<tr>
<td>Use mathematics to solve IT issues and problems (Use mathematics)</td>
<td></td>
</tr>
<tr>
<td>2: Modeling for analysis</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Model IT systems for design and analysis (Modeling for analysis)</td>
<td></td>
</tr>
<tr>
<td>3: System design</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Design IT systems (System design)</td>
<td></td>
</tr>
</tbody>
</table>

2: Analyze and solve problems
An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

<table>
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<tr>
<th>Outcome</th>
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<tbody>
<tr>
<td>1: Problem definition</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Use analytical tools and experiences to understand and define problems (Problem definition)</td>
<td></td>
</tr>
<tr>
<td>2: Problem solution development</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Use accepted problem solving techniques and tools to develop solutions (Problem solution development)</td>
<td></td>
</tr>
<tr>
<td>3: Apply solutions and monitor progress</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Select appropriate solutions, implement and monitor progress (Apply solutions and monitor progress)</td>
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</table>

3: Design and implement computer-based solutions
### 4: Function effectively in the team environment

An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

<table>
<thead>
<tr>
<th>Outcome</th>
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<tbody>
<tr>
<td>1: Effective team member</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Functions as an effective team member (Effective team member)</td>
<td></td>
</tr>
<tr>
<td>2: Understands the purpose of teams</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Assumes responsibility as a team member, respects chain of command and understands why teams exist (Understands the purpose of teams)</td>
<td></td>
</tr>
<tr>
<td>3: Works and communicates well in the team setting</td>
<td>Foundational Studies: 10. Express themselves effectively, professionally, and persuasively both orally and in writing.</td>
</tr>
<tr>
<td>Recognizes the need for good interpersonal skills and practices quality in communication in the team setting (Works and communicates well in the team setting)</td>
<td></td>
</tr>
</tbody>
</table>

### 5: Understand professional and ethical responsibilities

An understanding of professional, ethical, legal, security and social issues and responsibilities (Understand professional and ethical responsibilities)

<table>
<thead>
<tr>
<th>Outcome</th>
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</thead>
<tbody>
<tr>
<td>1: Demonstrates professionalism</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Understands the role of the professional and aspires to become a respected member of an organization (Demonstrates professionalism)</td>
<td></td>
</tr>
<tr>
<td>2: Understands and exhibits ethics</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Is knowledgeable on issues involving social and ethical responsibilities (Understands and exhibits ethics)</td>
<td></td>
</tr>
<tr>
<td>3: Understands the role of the IT professional</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Understands the role the IT professional has in developing and delivering responsible and secure solutions (Understands the role of the IT professional)</td>
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### 6: Effective communication

An ability to communicate effectively with a range of audiences (Effective communication)

<table>
<thead>
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<th>Outcome</th>
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<tr>
<td>1: Exhibits good verbal communications</td>
<td>Foundational Studies: 10. Express themselves effectively, professionally, and persuasively both orally and in writing.</td>
</tr>
<tr>
<td>Can verbally present and describe technical information and issues in a clear manner (Exhibits good verbal communications)</td>
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</tr>
<tr>
<td>2: Possesses good written communications skills</td>
<td>Foundational Studies: 10. Express themselves effectively, professionally, and persuasively both orally and in writing.</td>
</tr>
<tr>
<td>Can develop well written e-mails, letters, technical documents, test plans and PowerPoint presentations (Possesses good written communications skills)</td>
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</tbody>
</table>
3: Understands the need for formality and respect
Differentiates between formal, semi-formal and informal situations involving verbal and written protocols, including meeting (Understands the need for formality and respect in communication)

**Foundational Studies:** 10. Express themselves effectively, professionally, and persuasively both orally and in writing.

### 7: Respect diversity
The ability to analyze the local and global impact of computing on individuals, organizations, and society (Respect diversity)

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>1: Understands the IT marketplace</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Exhibits some knowledge of the global nature of IT system use (Understands the IT marketplace)</td>
<td></td>
</tr>
<tr>
<td>2: Understands social responsibility</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Understand the importance of the social issues involved with business and industry (Understands social responsibility)</td>
<td></td>
</tr>
<tr>
<td>3: Understands the responsibility of safe design practices</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Understand the importance and responsibility of safety in design and operations as a social issue (Understands the responsibility of safe design practices and operations)</td>
<td></td>
</tr>
</tbody>
</table>

### 8: Professional development
Recognition of the need for and the ability to engage in continuous professional development (Professional development)

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<th>Outcome</th>
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<tbody>
<tr>
<td>1: Demonstrates a desire to learn</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Demonstrates the desire to learn and respects those who possess knowledge (Demonstrates a desire to learn)</td>
<td></td>
</tr>
</tbody>
</table>

### 9: Mastery of IT tools
An ability to use current techniques, skills, and tools necessary for computing practice (Mastery of IT tools)

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Mapping</th>
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</thead>
<tbody>
<tr>
<td>1: Demonstrates IT technical competence</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Demonstrates an ability to use and apply current technical concepts and practices in the core information technologies (Demonstrates IT technical competence)</td>
<td></td>
</tr>
<tr>
<td>2: Understand and support user needs</td>
<td>No Mapping</td>
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<tr>
<td>Demonstrates an ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems (Understand and support user needs)</td>
<td></td>
</tr>
<tr>
<td>3: Transfer technologies &amp; solutions to the user environment</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Demonstrate an ability to effectively integrate IT-based solutions into the user environment (Transfer technologies and solutions to the user environment)</td>
<td></td>
</tr>
<tr>
<td>4: Utilize practices and standards</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Demonstrate an understanding of best practices and standards and their application (Utilize practices and standards)</td>
<td></td>
</tr>
<tr>
<td>5: Understand project planning tools</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Demonstrate an ability to assist in the creation of an effective project plan (Understand project planning tools)</td>
<td></td>
</tr>
<tr>
<td>6: Understand fundamental technologies</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Understand the fundamentals of the core information technologies of human computer interaction, information</td>
<td></td>
</tr>
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</table>
management, programming, networking, web systems and
technologies (Understand fundamental HCI, information
management, programming, networking and web technologies)

<table>
<thead>
<tr>
<th>7: Understand information security</th>
<th>No Mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understand the fundamentals of information assurance and security (Understand information security)</td>
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<tr>
<th>8: Understand system administration and maintenance</th>
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<thead>
<tr>
<th>9: Understand system integration and architecture</th>
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Curriculum Map

Active Curriculum Maps

- BS in Information Technology Curriculum map (See appendix)
  - Alignment Set: BS in Information Technology Outcome Set
  - Created: 04/23/2012 7:41:55 am CST
  - Last Modified: 04/23/2012 12:04:10 pm CST

Communication of Outcomes

Objectives of the program are posted at technology.indstate.edu/it. Student outcomes are communicated to prospective students and parents when they tour the ISU campus and visit ECET dept. Also these outcomes are communicated to the students when they take freshman orientation (ECT 170) and during the advisement. In future, the outcomes will also be posted at the website (technology.indstate.edu/it) along with the objectives.
Archive (This area is to be used for archiving pre-TaskStream assessment data and for current documents.)

Archive

File Attachments:

1. Information Technology (See appendix)
   Information Technology Assessment Strategy
   ..................................................................................................................
## 2010-2011 Assessment Cycle

### Action Plan

#### Actions

<table>
<thead>
<tr>
<th>BS in Information Technology Outcome Set</th>
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<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Action: Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>This Action is associated with the following Findings</td>
</tr>
<tr>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td>Action Details:</td>
</tr>
<tr>
<td>Implementation Plan (timeline):</td>
</tr>
<tr>
<td>Key/Responsible Personnel:</td>
</tr>
<tr>
<td>Measures:</td>
</tr>
<tr>
<td>Resource Allocations:</td>
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<td>Priority:</td>
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2: Modeling for analysis

Model IT systems for design and analysis
(Modeling for analysis)

No actions specified

3: System design

Design IT systems
(System design)

No actions specified

### Analyze and solve problems

An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

1: Problem definition

Use analytical tools and experiences to understand and define problems
(Problem definition)

No actions specified

2: Problem solution development

Use accepted problem solving techniques and tools to develop solutions
(Problem solution development)

No actions specified
### 3: Apply solutions and monitor progress

Select appropriate solutions, implement and monitor progress (Apply solutions and monitor progress)

No actions specified

### 3: Design and implement computer-based solutions

An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs (Design and implement computer-based solutions)

### 1: Computer-based system design

Develop system designs (Computer-based system design)

No actions specified

### 2: Apply designs and test

Apply designs and use experiments to evaluate performance (Apply designs and test)

No actions specified

### 3: Install systems and monitor performance

Commissioning designs and monitor performance (Install systems and monitor performance)

No actions specified

### 4: Function effectively in the team environment

An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

### 1: Effective team member

Functions as an effective team member (Effective team member)

No actions specified

### 2: Understands the purpose of teams

Assumes responsibility as a team member, respects chain of command and understands why teams exist (Understands the purpose of teams)

No actions specified

### 3: Works and communicates well in the team setting

Recognizes the need for good interpersonal skills and practices quality in communication in the team setting (Works and communicates well in the team setting)

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<tr>
<th>3: Transfer technologies &amp; solutions to the user environment</th>
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<tr>
<td>Demonstrate an ability to effectively integrate IT-</td>
<td></td>
</tr>
<tr>
<td><strong>Program Outcomes Assessment</strong></td>
<td><strong>BS in Information Technology</strong></td>
</tr>
<tr>
<td>--------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>Based solutions into the user environment (Transfer technologies and solutions to the user environment)</td>
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<td><strong>4: Utilize practices and standards</strong></td>
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<td></td>
</tr>
</tbody>
</table>
## Action Statuses

### BS in Information Technology Outcome Set

#### 1: Apply general knowledge to IT issues
An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

<table>
<thead>
<tr>
<th>1: Use mathematics</th>
<th>Action: Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use mathematics to solve IT issues and problems (Use mathematics)</td>
<td>Action Details: No change</td>
</tr>
<tr>
<td>Implementation Plan (timeline): Next cycle</td>
<td></td>
</tr>
<tr>
<td>Key/Responsible Personnel:</td>
<td></td>
</tr>
<tr>
<td>Measures:</td>
<td></td>
</tr>
<tr>
<td>Resource Allocations:</td>
<td></td>
</tr>
<tr>
<td>Priority:</td>
<td></td>
</tr>
</tbody>
</table>

**Status** for Math

No Status Added

#### 2: Analyze and solve problems
An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

<table>
<thead>
<tr>
<th>1: Problem definition</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use analytical tools and experiences to understand and define problems (Problem definition)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2: Problem solution development</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use accepted problem solving techniques and tools to develop solutions (Problem solution development)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3: Apply solutions and monitor progress</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select appropriate solutions, implement and monitor progress (Apply solutions and monitor progress)</td>
<td></td>
</tr>
</tbody>
</table>
3: Design and implement computer-based solutions
An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs (Design and implement computer-based solutions)

<table>
<thead>
<tr>
<th>1: Computer-based system design</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop system designs (Computer-based system design)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2: Apply designs and test</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply designs and use experiments to evaluate performance (Apply designs and test)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3: Install systems and monitor performance</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commissioning designs and monitor performance (Install systems and monitor performance)</td>
<td></td>
</tr>
</tbody>
</table>

4: Function effectively in the team environment
An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

<table>
<thead>
<tr>
<th>1: Effective team member</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functions as an effective team member (Effective team member)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2: Understands the purpose of teams</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assumes responsibility as a team member, respects chain of command and understands why teams exist (Understands the purpose of teams)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3: Works and communicates well in the team setting</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recognizes the need for good interpersonal skills and practices quality in communication in the team setting (Works and communicates well in the team setting)</td>
<td></td>
</tr>
</tbody>
</table>

5: Understand professional and ethical responsibilities
An understanding of professional, ethical, legal, security and social issues and responsibilities (Understand professional and ethical responsibilities)

<table>
<thead>
<tr>
<th>1: Demonstrates professionalism</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understands the role of the professional and aspires to become a respected member of an organization (Demonstrates</td>
<td></td>
</tr>
<tr>
<td>2: Understands and exhibits ethics</td>
<td>No actions specified</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>Is knowledgeable on issues involving social and ethical responsibilities (Understands and exhibits ethics)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3: Understands the role of the IT professional</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understands the role the IT professional has in developing and delivering responsible and secure solutions (Understands the role of the IT professional)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6: Effective communication</th>
<th>An ability to communicate effectively with a range of audiences (Effective communication)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>1: Exhibits good verbal communications</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can verbally present and describe technical information and issues in a clear manner (Exhibits good verbal communications)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2: Possesses good written communications skills</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can develop well written e-mails, letters, technical documents, test plans and PowerPoint presentations (Possesses good written communications skills)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3: Understands the need for formality and respect</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Differentiates between formal, semi-formal and informal situations involving verbal and written protocols, including meeting (Understands the need for formality and respect in communication)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7: Respect diversity</th>
<th>The ability to analyze the local and global impact of computing on individuals, organizations, and society (Respect diversity)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>1: Understands the IT marketplace</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhibits some knowledge of the global nature of IT system use (Understands the IT marketplace)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2: Understands social responsibility</th>
<th>No actions specified</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 3: Understands the responsibility of safe design practices

Understand the importance and responsibility of safety in design and operations as a social issue (Understands the responsibility of safe design practices and operations)

No actions specified

### 8: Professional development

Recognition of the need for and the ability to engage in continuous professional development (Professional development)

No actions specified

### 9: Mastery of IT tools

An ability to use current techniques, skills, and tools necessary for computing practice (Mastery of IT tools)

No actions specified
Demonstrate an understanding of best practices and standards and their application (Utilize practices and standards)

5: Understand project planning tools
Demonstrate an ability to assist in the creation of an effective project plan (Understand project planning tools)

No actions specified

6: Understand fundamental technologies
Understand the fundamentals of the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies (Understand fundamental HCI, information management, programming, networking and web technologies)

No actions specified

7: Understand information security
Understand the fundamentals of information assurance and security (Understand information security)

No actions specified

8: Understand system administration and maintenance
Understand the fundamentals of system administration and maintenance (Understand system administration and maintenance)

No actions specified

9: Understand system integration and architecture
Understand the fundamentals of system integration and architecture (Understand system integration and architecture)

No actions specified

Status Summary
No text specified

Summary of Next Steps
No text specified
Program Outcomes Assessment
BS in Information Technology
## Assessment Plan

### Outcomes and Measures

### BS in Information Technology Outcome Set

1. **Apply general knowledge to IT issues**
   - An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

#### 1: Use mathematics
- Use mathematics to solve IT issues and problems (Use mathematics)

<table>
<thead>
<tr>
<th>Measure: Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct - Exam</td>
</tr>
</tbody>
</table>

- **Details/Description:** Net+ exam
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
- **Responsible Individual(s):** IT Program Team

#### 2: Modeling for analysis
- Model IT systems for design and analysis (Modeling for analysis)

<table>
<thead>
<tr>
<th>Measure: Modeling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct - Exam</td>
</tr>
</tbody>
</table>

- **Details/Description:** Net+
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
- **Responsible Individual(s):** IT Program Team

#### 3: System design
- Design IT systems (System design)

<table>
<thead>
<tr>
<th>Measure: Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct - Exam</td>
</tr>
</tbody>
</table>

- **Details/Description:** Net+ exam
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
- **Responsible Individual(s):** IT Program Team

2. **Analyze and solve problems**
   - An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

#### 1: Problem definition
- Use analytical tools and experiences to understand and define problems (Problem definition)

<table>
<thead>
<tr>
<th>Measure: Problem analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct - Exam</td>
</tr>
</tbody>
</table>

- **Details/Description:** A+ exam
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
| **2: Problem solution development** | **Measure:** Problem solution  
Direct - Student Artifact |
|-------------------------------------|---------------------------------------------|
| **Details/Description:** Assessed in ECT 372  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** IT Program Team |
| **3: Apply solutions and monitor progress** | **Measure:** Apply solutions  
Direct - Student Artifact |
|---------------------------------------------|---------------------------------------------|
| **Details/Description:** Assessed in ECT372  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** IT Program Team |
| **3: Design and implement computer-based solutions** | **Measure:** System design  
Direct - Exam |
|---------------------------------------------|---------------------------------------------|
| **Details/Description:** A+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** IT Program Team |
| **2: Apply designs and test** | **Measure:** Apply designs  
Direct - Exam |
|---------------------------------------------|---------------------------------------------|
| **Details/Description:** Security+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** IT Program Team |
| **3: Install systems and monitor performance** | **Measure:** Install & monitor  
Direct - Student Artifact |
|---------------------------------------------|---------------------------------------------|
| **Details/Description:** Assessed in ECT372  
**Target:**  
**Implementation Plan (timeline):** Spring Semester  
**Responsible Individual(s):** IT Program Team |
### 4: Function effectively in the team environment
An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

| 1: Effective team member | **Measure:** Teaming  
|--------------------------|--------------------------|
| **Details/Description:** Assessed in ECT372 project  
| **Target:**  
| Implementation Plan (timeline): Spring semester  
| Responsible Individual(s): IT Program Team & advisory board  
| **Measure:** Purpose of teams  
| Direct - Other  
| **Details/Description:** Assessed in ECT372  
| **Target:**  
| Implementation Plan (timeline): Spring semester  
| Responsible Individual(s): IT Program Team  
| **Measure:** Communicates in team  
| Direct - Other  
| **Details/Description:** Assessed in ECT372  
| **Target:**  
| Implementation Plan (timeline): Spring semester  
| Responsible Individual(s): IT Program Team & advisory board  

### 5: Understand professional and ethical responsibilities
An understanding of professional, ethical, legal, security and social issues and responsibilities (Understand professional and ethical responsibilities)

| 1: Demonstrates professionalism | **Measure:** Professionalism  
|-------------------------------|--------------------------|
| **Details/Description:** Assessed in ECT372 by peers and instructors  
| **Target:**  
| Implementation Plan (timeline): Spring semester  
| Responsible Individual(s): IT Program Team  
| **Measure:** Ethics  
| Direct - Exam  
| **Details/Description:** Security+ exam  
| **Target:**  
| Implementation Plan (timeline): Spring Sr year  
| Responsible Individual(s): IT Program Team  

<table>
<thead>
<tr>
<th>Measure</th>
<th>Details/Description</th>
<th>Target</th>
<th>Implementation Plan (timeline)</th>
<th>Responsible Individual(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3: Understands the role of the IT professional</strong></td>
<td><strong>Measure:</strong> IT Professional  &lt;br&gt; Direct - Exam</td>
<td>Details/Description: A+ exam  &lt;br&gt; Target:  &lt;br&gt; Implementation Plan (timeline): Spring Sr year  &lt;br&gt; Responsible Individual(s): IT Program Team</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>6: Effective communication</strong></td>
<td>An ability to communicate effectively with a range of audiences (Effective communication)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1: Exhibits good verbal communications</strong></td>
<td>Can verbally present and describe technical information and issues in a clear manner (Exhibits good verbal communications)</td>
<td><strong>Measure:</strong> Verbal Communications  &lt;br&gt; Direct - Other</td>
<td>Details/Description: Have students and instructor assess project presentations in ECT372.  &lt;br&gt; Target:  &lt;br&gt; Implementation Plan (timeline): Every spring semester.  &lt;br&gt; Responsible Individual(s):</td>
<td></td>
</tr>
<tr>
<td><strong>2: Possesses good written communications skills</strong></td>
<td>Can develop well written e-mails, letters, technical documents, test plans and PowerPoint presentations (Possesses good written communications skills)</td>
<td><strong>Measure:</strong> Written Communication  &lt;br&gt; Direct - Student Artifact</td>
<td>Details/Description: Assess student project report in ECT372.  &lt;br&gt; Target:  &lt;br&gt; Implementation Plan (timeline): Every spring semester.  &lt;br&gt; Responsible Individual(s):</td>
<td></td>
</tr>
<tr>
<td><strong>3: Understands the need for formality and respect</strong></td>
<td>Differentiates between formal, semi-formal and informal situations involving verbal and written protocols, including meeting (Understands the need for formality and respect in communication)</td>
<td><strong>Measure:</strong> Formality  &lt;br&gt; Indirect - Survey</td>
<td>Details/Description: Survey by peers and instructors during project presentations ECT372  &lt;br&gt; Target:  &lt;br&gt; Implementation Plan (timeline): Every spring semester  &lt;br&gt; Responsible Individual(s):</td>
<td></td>
</tr>
<tr>
<td><strong>7: Respect diversity</strong></td>
<td>The ability to analyze the local and global impact of computing on individuals, organizations, and society (Respect diversity)</td>
<td><strong>Measure:</strong> IT Market  &lt;br&gt; Direct - Exam</td>
<td>Details/Description: A+ exam  &lt;br&gt; Target:  &lt;br&gt; Implementation Plan (timeline): Spring semester Sr year  &lt;br&gt; Responsible Individual(s):</td>
<td></td>
</tr>
<tr>
<td><strong>1: Understands the IT marketplace</strong></td>
<td>Exhibits some knowledge of the global nature of IT system use (Understands the IT marketplace)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 2: Understands social responsibility | **Measure:** Social  
Direct - Exam  

**Details/Description:** A+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** |

| 3: Understands the responsibility of safe design practices | **Measure:** Safe design  
Direct - Exam  

**Details/Description:** Security + exam  
**Target:**  
**Implementation Plan (timeline):** Spring semester Sr year  
**Responsible Individual(s):** |

| 8: Professional development | Recognition of the need for and the ability to engage in continuous professional development (Professional development) |

| 1: Demonstrates a desire to learn | **Measure:** Desire to learn  
Direct - Exam  

**Details/Description:** A+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** |

| 9: Mastery of IT tools | An ability to use current techniques, skills, and tools necessary for computing practice (Mastery of IT tools) |

| 1: Demonstrates IT technical competence | **Measure:** IT Competence  
Direct - Exam  

**Details/Description:** Net+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** |

| 2: Understand and support user needs | **Measure:** User needs  
Direct - Exam  

**Details/Description:** A+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** |
<table>
<thead>
<tr>
<th>Topic</th>
<th>Measure</th>
<th>Details/Description</th>
<th>Target</th>
<th>Implementation Plan (timeline)</th>
<th>Responsible Individual(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3: Transfer technologies &amp; solutions to the user environment</td>
<td>User needs</td>
<td>A+ exam</td>
<td>Spring Sr year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4: Utilize practices and standards</td>
<td>Standards</td>
<td>Security+ exam</td>
<td>Sp Sr year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5: Understand project planning tools</td>
<td>Project tools</td>
<td>Review ECT437 projects</td>
<td>Spring Sr year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6: Understand fundamental technologies</td>
<td>Fundamental technologies</td>
<td>Overall scores A+, Net+, Security+ exams</td>
<td>Spring Sr year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7: Understand information security</td>
<td>Security</td>
<td>Security+ exam</td>
<td>Spring Sr year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8: Understand system administration and maintenance</td>
<td>Administration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Understand the fundamentals of system administration and maintenance (Understand system administration and maintenance)

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

9: Understand system integration and architecture
Understand the fundamentals of system integration and architecture (Understand system integration and architecture)

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

Assessment Findings

Findings per Measure

BS in Information Technology Outcome Set

1: Apply general knowledge to IT issues
An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

Details/Description: Net+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s): IT Program Team

Findings for Math

Summary of Findings: 80% average on math questions
Results: Target Achievement: Met
Recommendations: None
Reflections/Notes:

2: Modeling for analysis
Model IT systems for design and analysis (Modeling for analysis)

Details/Description: Net+
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s): IT Program Team
Findings for Modeling

Summary of Findings: 65% on exam questions
Results: Target Achievement: Not Met
Recommendations: Supports plans for additional networking course
Reflections/Notes:

3: System design
Design IT systems (System design)

Measure: Design
Direct - Exam

Details/Description: Net+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s): IT Program Team

Findings for Design

Summary of Findings: 72% average on exam
Results: Target Achievement: Not Met
Recommendations: Supports plans for additional networking course
Reflections/Notes:

2: Analyze and solve problems
An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

1: Problem definition
Use analytical tools and experiences to understand and define problems (Problem definition)

Measure: Problem analysis
Direct - Exam

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s): IT Program Team

Findings for Problem analysis

Summary of Findings: 84% on exam questions
Results: Target Achievement: Met
Recommendations: None
Reflections/Notes:

2: Problem solution development
Use accepted problem

Measure: Problem solution
Direct - Student Artifact
solving techniques and tools to develop solutions (Problem solution development)

Details/Description: Assessed in ECT 372
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s): IT Program Team

Findings for Problem solution

Summary of Findings: No finding this cycle
Results: Target Achievement: Not Met
Recommendations:
Reflections/Notes:

3: Apply solutions and monitor progress
Select appropriate solutions, implement and monitor progress (Apply solutions and monitor progress)

Measure: Apply solutions
Direct - Student Artifact

Details/Description: Assessed in ECT372
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s): IT Program Team

Findings for Apply solutions

Summary of Findings: No findings this cycle
Results: Target Achievement: Not Met
Recommendations:
Reflections/Notes:

3: Design and implement computer-based solutions
An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs (Design and implement computer-based solutions)

1: Computer-based system design
Develop system designs (Computer-based system design)

Measure: System design
Direct - Exam

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s): IT Program Team

Findings for System design

Summary of Findings: 50% on exam questions
Results: Target Achievement: Not Met
Recommendations: Need additional lab and applications work ECT172.
2: Apply designs and test
Apply designs and use experiments to evaluate performance (Apply designs and test)

**Measure:** Apply designs
**Direct - Exam**

**Details/Description:** Security + exam
**Target:**
**Implementation Plan (timeline):** Spring Sr year
**Responsible Individual(s):** IT Program Team

**Findings** for Apply designs

**Summary of Findings:** 75% on exam questions
**Results:** Target Achievement: Not Met
**Recommendations:** Supports plans for additional security course
**Reflections/Notes:**

3: Install systems and monitor performance
Commissioning designs and monitor performance (Install systems and monitor performance)

**Measure:** Install & monitor
**Direct - Student Artifact**

**Details/Description:** Assessed in ECT372
**Target:**
**Implementation Plan (timeline):** Spring Semester
**Responsible Individual(s):** IT Program Team

**Findings** for Install & monitor

**Summary of Findings:** No assessment this cycle.
**Results:** Target Achievement: Not Met
**Recommendations:**
**Reflections/Notes:**

4: Function effectively in the team environment
An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

1: Effective team member
Functions as an effective team member (Effective team member)

**Measure:** Teaming
**Direct - Other**

**Details/Description:** Assessed in ECT372 project
**Target:**
**Implementation Plan (timeline):** Spring semester
**Responsible Individual(s):** IT Program Team & advisory board

**Reflections/Notes:**
## Findings for Teaming

### Summary of Findings: No assessment this cycle.
### Results: Target Achievement: Not Met
### Recommendations:
### Reflections/Notes:

### 2: Understands the purpose of teams
Assumes responsibility as a team member, respects chain of command and understands why teams exist (Understands the purpose of teams)

#### Measure: Purpose of teams
Direct - Other

#### Details/Description: Assessed in ECT372
### Target:
### Implementation Plan (timeline): Spring semester
### Responsible Individual(s): IT Program Team

#### Findings for Purpose of teams

### Summary of Findings: No assessment this cycle.
### Results: Target Achievement: Not Met
### Recommendations:
### Reflections/Notes:

### 3: Works and communicates well in the team setting
Recognizes the need for good interpersonal skills and practices quality in communication in the team setting (Works and communicates well in the team setting)

#### Measure: Communicates in team
Direct - Other

#### Details/Description: Assessed in ECT372
### Target:
### Implementation Plan (timeline): Spring semester
### Responsible Individual(s): IT Program Team & advisory board

#### Findings for Communicates in team

### Summary of Findings: No assessment this cycle.
### Results: Target Achievement: Not Met
### Recommendations:
### Reflections/Notes:

### 5: Understand professional and ethical responsibilities
An understanding of professional, ethical, legal, security and social issues and responsibilities (Understand professional and ethical responsibilities)

### 1: Demonstrates professionalism
Understands the role of the
2: Understands and exhibits ethics

Is knowledgeable on issues involving social and ethical responsibilities (Understands and exhibits ethics)

Details/Description: Security+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s): IT Program Team

Findings for Ethics

Summary of Findings: 90% on exam questions
Results: Target Achievement: Met
Recommendations: None
Reflections/Notes: 

3: Understands the role of the IT professional

Understands the role the IT professional has in developing and delivering responsible and secure solutions (Understands the role of the IT professional)

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s): IT Program Team

Findings for IT Professional

Summary of Findings: 86% on questions this exam
Results: Target Achievement: Met
Recommendations: None
Reflections/Notes:

Details/Description: Assessed in ECT372 by peers and instructors
Target:
Implementation Plan (timeline): Spring semester
Responsible Individual(s): IT Program Team

Findings for Professionalism

Summary of Findings: No assessment this cycle.
Results: Target Achievement: Not Met
Recommendations:
Reflections/Notes:
### 6: Effective communication

An ability to communicate effectively with a range of audiences (Effective communication)

<table>
<thead>
<tr>
<th>1: Exhibits good verbal communications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measure:</strong> Verbal Communications</td>
</tr>
<tr>
<td>Direct - Other</td>
</tr>
<tr>
<td><strong>Details/Description:</strong> Have students and instructor assess project presentations in ECT372.</td>
</tr>
<tr>
<td><strong>Target:</strong></td>
</tr>
<tr>
<td>Implementation Plan (timeline):</td>
</tr>
<tr>
<td>Every spring semester.</td>
</tr>
<tr>
<td><strong>Responsible Individual(s):</strong></td>
</tr>
<tr>
<td><strong>Findings for Verbal Communications</strong></td>
</tr>
<tr>
<td><strong>Summary of Findings:</strong> No assessment this cycle.</td>
</tr>
<tr>
<td><strong>Results:</strong> Target Achievement:</td>
</tr>
<tr>
<td>Not Met</td>
</tr>
<tr>
<td><strong>Recommendations:</strong></td>
</tr>
<tr>
<td><strong>Reflections/Notes:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2: Possesses good written communications skills</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measure:</strong> Written Communication</td>
</tr>
<tr>
<td>Direct - Student Artifact</td>
</tr>
<tr>
<td><strong>Details/Description:</strong> Assess student project report in ECT372.</td>
</tr>
<tr>
<td><strong>Target:</strong></td>
</tr>
<tr>
<td>Implementation Plan (timeline):</td>
</tr>
<tr>
<td>Every spring semester.</td>
</tr>
<tr>
<td><strong>Responsible Individual(s):</strong></td>
</tr>
<tr>
<td><strong>Findings for Written Communication</strong></td>
</tr>
<tr>
<td><strong>Summary of Findings:</strong> 80% average on project documents</td>
</tr>
<tr>
<td><strong>Results:</strong> Target Achievement:</td>
</tr>
<tr>
<td>Met</td>
</tr>
<tr>
<td><strong>Recommendations:</strong></td>
</tr>
<tr>
<td>None</td>
</tr>
<tr>
<td><strong>Reflections/Notes:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3: Understands the need for formality and respect</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measure:</strong> Formality</td>
</tr>
<tr>
<td>Indirect - Survey</td>
</tr>
<tr>
<td><strong>Details/Description:</strong> Survey by peers and instructors during project presentations ECT372</td>
</tr>
<tr>
<td><strong>Target:</strong></td>
</tr>
<tr>
<td>Implementation Plan (timeline):</td>
</tr>
<tr>
<td>Every spring semester</td>
</tr>
<tr>
<td><strong>Responsible Individual(s):</strong></td>
</tr>
<tr>
<td><strong>Findings for Formality</strong></td>
</tr>
<tr>
<td><strong>Summary of Findings:</strong> No assessment this cycle.</td>
</tr>
</tbody>
</table>
7: Respect diversity
The ability to analyze the local and global impact of computing on individuals, organizations, and society (Respect diversity)

1: Understands the IT marketplace
Exhibits some knowledge of the global nature of IT system use (Understands the IT marketplace)

Measure: IT Market
Direct - Exam

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring semester Sr year
Responsible Individual(s):

Findings for IT Market

Summary of Findings: 78% on questions this exam
Results: Target Achievement: Met
Recommendations:
Reflections/Notes:

2: Understands social responsibility
Understand the importance of the social issues involved with business and industry (Understands social responsibility)

Measure: Social
Direct - Exam

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

Findings for Social

Summary of Findings: 84% on questions this exam
Results: Target Achievement: Met
Recommendations:
Reflections/Notes:

3: Understands the responsibility of safe design practices
Understand the importance and responsibility of safety in design and operations as a social issue (Understands the responsibility of safe design practices)

Measure: Safe design
Direct - Exam

Details/Description: Security + exam
Target:
Implementation Plan (timeline): Spring semester Sr year
8: Professional development
Recognition of the need for and the ability to engage in continuous professional development (Professional development)

1: Demonstrates a desire to learn
Demonstrates the desire to learn and respects those who possess knowledge (Demonstrates a desire to learn)

- **Measure:** Desire to learn
  - Direct - Exam

  - **Details/Description:** A+ exam
  - **Target:**
  - **Implementation Plan (timeline):** Spring Sr year

- **Responsible Individual(s):**

- **Findings for Desire to learn**

  - **Summary of Findings:** 92% on questions this exam
  - **Results:** Target Achievement: Met
  - **Recommendations:** None
  - **Reflections/Notes:**

9: Mastery of IT tools
An ability to use current techniques, skills, and tools necessary for computing practice (Mastery of IT tools)

1: Demonstrates IT technical competence
Demonstrates an ability to use and apply current technical concepts and practices in the core information technologies (Demonstrates IT technical competence)

- **Measure:** IT Competence
  - Direct - Exam

  - **Details/Description:** Net+ exam
  - **Target:**
  - **Implementation Plan (timeline):** Spring Sr year

- **Responsible Individual(s):**

- **Findings for IT Competence**

  - **Summary of Findings:** 88% on questions this exam
  - **Results:** Target Achievement: Met
  - **Recommendations:** None
  - **Reflections/Notes:**
### 2: Understand and support user needs

**Measure:** User needs
**Details/Description:** A+ exam
**Target:**
**Implementation Plan (timeline):** Spring Sr year
**Responsible Individual(s):**

**Findings** for User needs

**Summary of Findings:** 45% on questions this exam
**Results:** Target Achievement: Not Met
**Recommendations:** Review ECT172 and ECT372 curriculum for ways to improve
**Reflections/Notes:**

### 3: Transfer technologies & solutions to the user environment

**Measure:** User needs
**Details/Description:** A+ exam
**Target:**
**Implementation Plan (timeline):** Spring Sr year
**Responsible Individual(s):**

**Findings** for User needs

**Summary of Findings:** 55% average these questions
**Results:** Target Achievement: Not Met
**Recommendations:** Review ECT172 and ECT372 curriculum for ways to improve
**Reflections/Notes:**

### 4: Utilize practices and standards

**Measure:** Standards
**Details/Description:** Security+ exam
**Target:**
**Implementation Plan (timeline):** Sp Sr year
**Responsible Individual(s):**

**Findings** for Standards

**Summary of Findings:** 55% this set of questions
**Results:** Target Achievement: Not Met
**Recommendations:** Review plans to add a 2nd security course.
5: Understand project planning tools
Demonstrate an ability to assist in the creation of an effective project plan (Understand project planning tools)

Measure: Project tools
Direct - Student Artifact

Details/Description: Review ECT437 projects
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

Findings for Project tools

Summary of Findings: 88% average scores on projects
Results: Target Achievement: Met
Recommendations: None
Reflections/Notes:

6: Understand fundamental technologies
Understand the fundamentals of the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies (Understand fundamental HCI, information management, programming, networking and web technologies)

Measure: Fundamental technologies
Direct - Exam

Details/Description: Overall scores A+, Net+, Security+ exams
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

Findings for Fundamental technologies

Summary of Findings: Overall average 81%.
Results: Target Achievement: Met
Recommendations: None
Reflections/Notes:

7: Understand information security
Understand the fundamentals of information assurance and security (Understand information security)

Measure: Security
Direct - Exam

Details/Description: Security+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

Findings for Security
Summary of Findings: 90% average scores on questions
Results: Target Achievement: Met
Recommendations: None
Reflections/Notes:

8: Understand system administration and maintenance
Understand the fundamentals of system administration and maintenance (Understand system administration and maintenance)

Measure: Administration
Direct - Exam

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

Findings for Administration

Summary of Findings: 91% on exam questions
Results: Target Achievement: Met
Recommendations: None
Reflections/Notes:

9: Understand system integration and architecture
Understand the fundamentals of system integration and architecture (Understand system integration and architecture)

Measure: Architecture
Direct - Exam

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

Findings for Architecture

Summary of Findings: 88% on questions scores
Results: Target Achievement: Met
Recommendations: None
Reflections/Notes:

Overall Recommendations
No text specified

Overall Reflection
No text specified
## BS in Information Technology Outcome Set

### 1: Apply general knowledge to IT issues
An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

<table>
<thead>
<tr>
<th>1: Use mathematics</th>
<th><strong>Action:</strong> Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use mathematics to solve IT issues and problems (Use mathematics)</td>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td></td>
<td>No supporting Findings have been linked to this Action.</td>
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<td></td>
<td><strong>Action Details:</strong> No change</td>
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<td></td>
<td><strong>Implementation Plan (timeline):</strong> Next cycle</td>
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<tr>
<td></td>
<td><strong>Key/Responsible Personnel:</strong></td>
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<td><strong>Measures:</strong></td>
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<td><strong>Resource Allocations:</strong></td>
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<td></td>
<td><strong>Priority:</strong></td>
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</tbody>
</table>

### 2: Modeling for analysis
Model IT systems for design and analysis (Modeling for analysis)

<table>
<thead>
<tr>
<th><strong>Action:</strong> Modeling</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Action is associated with the following Findings</strong></td>
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</tbody>
</table>

### 3: System design
Design IT systems (System design)

<table>
<thead>
<tr>
<th><strong>Action:</strong> System design</th>
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<tr>
<td><strong>This Action is associated with the following Findings</strong></td>
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</tbody>
</table>
### Resource Allocations:

### Priority:

#### 2: Analyze and solve problems

An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

<table>
<thead>
<tr>
<th>1: Problem definition</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action:</strong> Problem definition</td>
<td></td>
</tr>
</tbody>
</table>

This Action is associated with the following Findings

No supporting Findings have been linked to this Action.

**Action Details:** No change

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

#### 2: Problem solution development

Use accepted problem solving techniques and tools to develop solutions (Problem solution development)

|  |
|------------------------|---|
| **Action:** Problem Solutions |  |

This Action is associated with the following Findings

No supporting Findings have been linked to this Action.

**Action Details:** Has been added to ECT372 course plan.

**Implementation Plan (timeline):** 2012-13 cycle.

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

#### 3: Apply solutions and monitor progress

Select appropriate solutions, implement and monitor progress (Apply solutions and monitor progress)

|  |
|------------------------|---|
| **Action:** Apply |  |

This Action is associated with the following Findings

No supporting Findings have been linked to this Action.

**Action Details:** Has been added to ECT372 course plan.

**Implementation Plan (timeline):** 12-13 cycle

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**
3: Design and implement computer-based solutions
An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs
(Design and implement computer-based solutions)

1: Computer-based system design
Develop system designs
(Computer-based system design)

Action: Design
This Action is associated with the following Findings
No supporting Findings have been linked to this Action.
Action Details: Have added design component to ECT172.
Implementation Plan (timeline): 12-13 cycle
Key/Responsible Personnel:
Measures:
Resource Allocations:
Priority:

2: Apply designs and test
Apply designs and use experiments to evaluate performance
(Apply designs and test)

Action: Apply design
This Action is associated with the following Findings
No supporting Findings have been linked to this Action.
Action Details: Security II course planned.
Implementation Plan (timeline): 14-15 cycle
Key/Responsible Personnel:
Measures:
Resource Allocations:
Priority:

3: Install systems and monitor performance
Commissioning designs and monitor performance
(Install systems and monitor performance)

Action: Install & monitor
This Action is associated with the following Findings
No supporting Findings have been linked to this Action.
Action Details: Has been added to ECT372 course plan.
Implementation Plan (timeline): 12-13 cycle
Key/Responsible Personnel:
Measures:
Resource Allocations:
Priority:
4: Function effectively in the team environment

An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

1: Effective team member

Functions as an effective team member (Effective team member)

**Action:** Teaming

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** Has been added to ECT372 course plan.

**Implementation Plan (timeline):** 12-13 cycle

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

2: Understands the purpose of teams

Assumes responsibility as a team member, respects chain of command and understands why teams exist (Understands the purpose of teams)

**Action:** Team purpose

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** Has been added to ECT372 course plan.

**Implementation Plan (timeline):** 12-13 cycle

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

3: Works and communicates well in the team setting

Recognizes the need for good interpersonal skills and practices quality in communication in the team setting (Works and communicates well in the team setting)

**Action:** Communicates with team

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** Has been added to ECT372 course plan.

**Implementation Plan (timeline):** 12-13 cycle

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**
### 5: Understand professional and ethical responsibilities
An understanding of professional, ethical, legal, security and social issues and responsibilities (Understand professional and ethical responsibilities)

<table>
<thead>
<tr>
<th>1: Demonstrates professionalism</th>
<th>Action: Professionalism</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understands the role of the professional and aspires to become a respected member of an organization (Demonstrates professionalism)</td>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td></td>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td></td>
<td><strong>Action Details:</strong> Has been added to ECT372 course plan.</td>
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<tr>
<td></td>
<td><strong>Implementation Plan (timeline):</strong> 12-13 cycle</td>
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<td><strong>Key/Responsible Personnel:</strong></td>
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<td><strong>Measures:</strong></td>
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<td><strong>Resource Allocations:</strong></td>
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<td></td>
<td><strong>Priority:</strong></td>
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</table>

<table>
<thead>
<tr>
<th>2: Understands and exhibits ethics</th>
<th>Action: Ethics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is knowledgeable on issues involving social and ethical responsibilities (Understands and exhibits ethics)</td>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td></td>
<td>No supporting Findings have been linked to this Action.</td>
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<td></td>
<td><strong>Action Details:</strong> No changes</td>
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<td></td>
<td><strong>Implementation Plan (timeline):</strong></td>
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<td><strong>Key/Responsible Personnel:</strong></td>
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<td><strong>Measures:</strong></td>
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<td></td>
<td><strong>Priority:</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>3: Understands the role of the IT professional</th>
<th>Action: IT Professional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understands the role the IT professional has in developing and delivering responsible and secure solutions (Understands the role of the IT professional)</td>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td></td>
<td>No supporting Findings have been linked to this Action.</td>
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<td></td>
<td><strong>Action Details:</strong> No changes</td>
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<td><strong>Resource Allocations:</strong></td>
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<td></td>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

### 6: Effective communication
An ability to communicate effectively with a range of audiences (Effective communication)

1: Exhibits good verbal communications
Can verbally present and describe technical information and issues in a clear manner (Exhibits good verbal communications)

<table>
<thead>
<tr>
<th>Action: Communication</th>
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<tbody>
<tr>
<td>This Action is associated with the following Findings</td>
</tr>
<tr>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td>Action Details: Has been added to ECT372 course plan.</td>
</tr>
<tr>
<td>Implementation Plan (timeline): 12-13 cycle</td>
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<tr>
<td>Key/Responsible Personnel:</td>
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<tr>
<td>Measures:</td>
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<tr>
<td>Resource Allocations:</td>
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<td>Priority:</td>
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</tbody>
</table>

2: Possesses good written communications skills
Can develop well written e-mails, letters, technical documents, test plans and PowerPoint presentations (Possesses good written communications skills)

<table>
<thead>
<tr>
<th>Action: Written Communication</th>
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<tbody>
<tr>
<td>This Action is associated with the following Findings</td>
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<tr>
<td>No supporting Findings have been linked to this Action.</td>
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<tr>
<td>Action Details: Has been added to ECT372 course plan.</td>
</tr>
<tr>
<td>Implementation Plan (timeline): 12-13 cycle</td>
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<tr>
<td>Key/Responsible Personnel:</td>
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<td>Measures:</td>
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<tr>
<td>Resource Allocations:</td>
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<tr>
<td>Priority:</td>
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</table>

3: Understands the need for formality and respect
Differentiates between formal, semi-formal and informal situations involving verbal and written protocols, including meeting (Understands the need for formality and respect in communication)

<table>
<thead>
<tr>
<th>Action: Formality</th>
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</thead>
<tbody>
<tr>
<td>This Action is associated with the following Findings</td>
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<tr>
<td>No supporting Findings have been linked to this Action.</td>
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<tr>
<td>Action Details: Has been added to ECT372 course plan.</td>
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<tr>
<td>Implementation Plan (timeline): 12-13 cycle</td>
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<tr>
<td>Key/Responsible Personnel:</td>
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<td>Measures:</td>
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<tr>
<td>Resource Allocations:</td>
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<tr>
<td>Priority:</td>
</tr>
</tbody>
</table>

7: Respect diversity
The ability to analyze the local and global impact of computing on individuals, organizations, and society (Respect diversity)
1: Understands the IT marketplace
Exhibits some knowledge of the global nature of IT system use (Understands the IT marketplace)

**Action: IT Market**

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

2: Understands social responsibility
Understand the importance of the social issues involved with business and industry (Understands social responsibility)

**Action: Social Responsibility**

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

3: Understands the responsibility of safe design practices
Understand the importance and responsibility of safety in design and operations as a social issue (Understands the responsibility of safe design practices and operations)

**Action: Safe design**

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

8: Professional development
Recognition of the need for and the ability to engage in continuous professional development (Professional development)

1: Demonstrates a desire to learn

**Action: Professional Development**
This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: No Changes

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

9: Mastery of IT tools
An ability to use current techniques, skills, and tools necessary for computing practice (Mastery of IT tools)

1: Demonstrates IT technical competence
Demonstrates an ability to use and apply current technical concepts and practices in the core information technologies (Demonstrates IT technical competence)

Action: IT Competence

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: No changes

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

2: Understand and support user needs
Demonstrates an ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems (Understand and support user needs)

Action: User needs

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: ECT172 and ECT372 have been reviewed for user need subject matter. ECT372 has been supplemented.

Implementation Plan (timeline): 11-12 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

3: Transfer technologies &

Action: Transfer technologies
solutions to the user environment
Demonstrate an ability to effectively integrate IT-based solutions into the user environment (Transfer technologies and solutions to the user environment)

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: ECT172 and ECT372 have ben reviewed. ECT172 has had subject matter added.

Implementation Plan (timeline): 11-12 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

4: Utilize practices and standards
Demonstrate an understanding of best practices and standards and their application (Utilize practices and standards)

Action: Standards

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: Security II is planned.

Implementation Plan (timeline): 12-13 rollout, 13-14 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

5: Understand project planning tools
Demonstrate an ability to assist in the creation of an effective project plan (Understand project planning tools)

Action: Project tools

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: No changes

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

6: Understand fundamental technologies
Understand the fundamentals of the core information technologies of human computer interaction, information

Action: Fundamental Technologies

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: No changes
7: Understand information security

Understand the fundamentals of information assurance and security (Understand information security)

- **Action**: Security
  - **This Action is associated with the following Findings**: No supporting Findings have been linked to this Action.
  - **Action Details**: No changes
  - **Implementation Plan (timeline)**:
  - **Key/Responsible Personnel**: 
  - **Measures**: 
  - **Resource Allocations**: 
  - **Priority**: 

8: Understand system administration and maintenance

Understand the fundamentals of system administration and maintenance (Understand system administration and maintenance)

- **Action**: System Administration
  - **This Action is associated with the following Findings**: No supporting Findings have been linked to this Action.
  - **Action Details**: No changes
  - **Implementation Plan (timeline)**:
  - **Key/Responsible Personnel**: 
  - **Measures**: 
  - **Resource Allocations**: 
  - **Priority**: 

9: Understand system integration and architecture

Understand the fundamentals of system integration and architecture (Understand system integration and architecture)

- **Action**: Understand Integration
  - **This Action is associated with the following Findings**: No supporting Findings have been linked to this Action.
  - **Action Details**: No changes
  - **Implementation Plan (timeline)**:
  - **Key/Responsible Personnel**: 
  - **Measures**: 

### Status Report

#### Action Statuses

**BS in Information Technology Outcome Set**

<table>
<thead>
<tr>
<th><strong>1: Apply general knowledge to IT issues</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)</td>
<td></td>
</tr>
</tbody>
</table>

1. **Use mathematics**
   - Use mathematics to solve IT issues and problems (Use mathematics)
   - Action: Math
     - Action Details: No change
     - Implementation Plan (timeline): Next cycle
     - Key/Responsible Personnel:
     - Measures:
     - Resource Allocations:
     - Priority:
     - **Status** for Math:
       - Current Status: Completed
       - Resource Allocation(s) Status:
       - Next Steps/Additional Information:

2. **Modeling for analysis**
   - Model IT systems for design and analysis (Modeling for analysis)
   - Action: Modeling
     - Action Details: A Networking II course is planned.
     - Implementation Plan (timeline): Anticipate roll out during the 13-14 cycle.
     - Key/Responsible Personnel:
     - Measures:
     - Resource Allocations:
     - Priority:
     - **Status** for Modeling:
**3: System design**
Design IT systems (System design)

**Action:** System design

- **Action Details:** Add second Networking course
- **Implementation Plan (timeline):** 13-14 cycle.
- **Key/Responsible Personnel:**
- **Measures:**
- **Resource Allocations:**
- **Priority:**

**Status for System design**

- **Current Status:** In Progress
- **Resource Allocation(s) Status:** Working on course design.
- **Next Steps/Additional Information:**

**2: Analyze and solve problems**
An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

**1: Problem definition**
Use analytical tools and experiences to understand and define problems (Problem definition)

**Action:** Problem definition

- **Action Details:** No change
- **Implementation Plan (timeline):**
- **Key/Responsible Personnel:**
- **Measures:**
- **Resource Allocations:**
- **Priority:**

**Status for Problem definition**

- **Current Status:** Completed
- **Resource Allocation(s) Status:**
- **Next Steps/Additional Information:**
2: Problem solution development
Use accepted problem solving techniques and tools to develop solutions (Problem solution development)

- **Action**: Problem Solutions
  - **Action Details**: Has been added to ECT372 course plan.
  - **Implementation Plan (timeline)**: 2012-13 cycle.
  - **Key/Responsible Personnel**:
  - **Measures**:
  - **Resource Allocations**:
  - **Priority**:

- **Status** for Problem Solutions
  - **Current Status**: Completed
  - **Resource Allocation(s) Status**:
  - **Next Steps/Additional Information**:

3: Apply solutions and monitor progress
Select appropriate solutions, implement and monitor progress (Apply solutions and monitor progress)

- **Action**: Apply
  - **Action Details**: Has been added to ECT372 course plan.
  - **Implementation Plan (timeline)**: 12-13 cycle
  - **Key/Responsible Personnel**:
  - **Measures**:
  - **Resource Allocations**:
  - **Priority**:

- **Status** for Apply
  - **Current Status**: Completed
  - **Resource Allocation(s) Status**:
  - **Next Steps/Additional Information**:

3: Design and implement computer-based solutions
An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs (Design and implement computer-based solutions)

1: Computer-based system design
Develop system designs (Computer-based system)

- **Action**: Design
  - **Action Details**: Have added design component to ECT172.
Implementation Plan (timeline): 12-13 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

**Status** for Design

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

**2: Apply designs and test**

Apply designs and use experiments to evaluate performance (Apply designs and test)

**Action:** Apply design

**Action Details:** Security II course planned.

**Implementation Plan (timeline):** 14-15 cycle

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

**Status** for Apply design

**Current Status:** In Progress

**Resource Allocation(s) Status:** Working on course design.

**Next Steps/Additional Information:**

---

**3: Install systems and monitor performance**

Commissioning designs and monitor performance (Install systems and monitor performance)

**Action:** Install & monitor

**Action Details:** Has been added to ECT372 course plan.

**Implementation Plan (timeline):** 12-13 cycle

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**
### Status for Install & monitor

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

### 4: Function effectively in the team environment

An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

<table>
<thead>
<tr>
<th>1: Effective team member</th>
<th>Action: Teaming</th>
</tr>
</thead>
<tbody>
<tr>
<td>Function as an effective team member (Effective team member)</td>
<td><strong>Action Details:</strong> Has been added to ECT372 course plan.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong> 12-13 cycle</td>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td><strong>Measures:</strong></td>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
<td><strong>Status</strong> for Teaming</td>
</tr>
<tr>
<td><strong>Current Status:</strong> Completed</td>
<td><strong>Next Steps/Additional Information:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2: Understands the purpose of teams</th>
<th>Action: Team purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assumes responsibility as a team member, respects chain of command and understands why teams exist (Understands the purpose of teams)</td>
<td><strong>Action Details:</strong> Has been added to ECT372 course plan.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong> 12-13 cycle</td>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td><strong>Measures:</strong></td>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
<td><strong>Status</strong> for Team purpose</td>
</tr>
<tr>
<td><strong>Current Status:</strong> Completed</td>
<td><strong>Next Steps/Additional Information:</strong></td>
</tr>
</tbody>
</table>
3: Works and communicates well in the team setting
Recognizes the need for good interpersonal skills and practices quality in communication in the team setting (Works and communicates well in the team setting)

- **Action:** Communicates with team
  - **Action Details:** Has been added to ECT372 course plan.
  - **Implementation Plan (timeline):** 12-13 cycle
  - **Key/Responsible Personnel:**
  - **Measures:**
  - **Resource Allocations:**
  - **Priority:**

**Status** for Communicates with team

- **Current Status:** Completed
- **Resource Allocation(s) Status:**
- **Next Steps/Additional Information:**

5: Understand professional and ethical responsibilities
An understanding of professional, ethical, legal, security and social issues and responsibilities (Understand professional and ethical responsibilities)

1: Demonstrates professionalism
Understands the role of the professional and aspires to become a respected member of an organization (Demonstrates professionalism)

- **Action:** Professionalism
  - **Action Details:** Has been added to ECT372 course plan.
  - **Implementation Plan (timeline):** 12-13 cycle
  - **Key/Responsible Personnel:**
  - **Measures:**
  - **Resource Allocations:**
  - **Priority:**

**Status** for Professionalism

- **Current Status:** Completed
- **Resource Allocation(s) Status:**
- **Next Steps/Additional Information:**
2: Understands and exhibits ethics
Is knowledgeable on issues involving social and ethical responsibilities (Understands and exhibits ethics)

Action: Ethics

Action Details: No changes

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Ethics

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:

3: Understands the role of the IT professional
Understands the role the IT professional has in developing and delivering responsible and secure solutions (Understands the role of the IT professional)

Action: IT Professional

Action Details: No changes

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for IT Professional

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:

6: Effective communication
An ability to communicate effectively with a range of audiences (Effective communication)

1: Exhibits good verbal communications
Can verbally present and describe technical information and issues in a clear manner (Exhibits good verbal)

Action: Communication

Action Details: Has been added to ECT372 course plan.

Implementation Plan (timeline): 12-13 cycle
2: Possesses good written communications skills

Can develop well written e-mails, letters, technical documents, test plans and PowerPoint presentations (Possesses good written communications skills)

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

---

**Status** for Communication

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

**Action:** Written Communication

**Action Details:** Has been added to ECT372 course plan.

**Implementation Plan (timeline):** 12-13 cycle

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

---

**Status** for Written Communication

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

3: Understands the need for formality and respect

Differentiates between formal, semi-formal and informal situations involving verbal and written protocols, including meeting (Understands the need for formality and respect in communication)

**Action:** Formality

**Action Details:** Has been added to ECT372 course plan.

**Implementation Plan (timeline):** 12-13 cycle

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**
Status for Formality

No Status Added

7: Respect diversity
The ability to analyze the local and global impact of computing on individuals, organizations, and society (Respect diversity)

1: Understands the IT marketplace
Exhibits some knowledge of the global nature of IT system use (Understands the IT marketplace)

- **Action:** IT Market
  - **Action Details:** No changes
  - **Implementation Plan (timeline):**
  - **Key/Responsible Personnel:**
  - **Measures:**
  - **Resource Allocations:**
  - **Priority:**

Status for IT Market

No Status Added

2: Understands social responsibility
Understand the importance of the social issues involved with business and industry (Understands social responsibility)

- **Action:** Social Responsability
  - **Action Details:** No changes
  - **Implementation Plan (timeline):**
  - **Key/Responsible Personnel:**
  - **Measures:**
  - **Resource Allocations:**
  - **Priority:**

Status for Social Responsibility

No Status Added

3: Understands the responsibility of safe design practices
Understand the importance and responsibility of safety in design and operations as a social issue (Understands the responsibility of safe design practices and operations)

- **Action:** Safe design
  - **Action Details:** No changes
  - **Implementation Plan (timeline):**
  - **Key/Responsible Personnel:**
  - **Measures:**
  - **Resource Allocations:**
### 8: Professional development
Recognition of the need for and the ability to engage in continuous professional development (Professional development)

<table>
<thead>
<tr>
<th>Priority:</th>
</tr>
</thead>
</table>

**Status** for Safe design

*No Status Added*

<table>
<thead>
<tr>
<th>1: Demonstrates a desire to learn</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates the desire to learn and respects those who possess knowledge (Demonstrates a desire to learn)</td>
</tr>
</tbody>
</table>

**Action:** Professional Development

**Action Details:** No Changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

<table>
<thead>
<tr>
<th>Priority:</th>
</tr>
</thead>
</table>

**Status** for Professional Development

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

### 9: Mastery of IT tools
An ability to use current techniques, skills, and tools necessary for computing practice (Mastery of IT tools)

<table>
<thead>
<tr>
<th>1: Demonstrates IT technical competence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates an ability to use and apply current technical concepts and practices in the core information technologies (Demonstrates IT technical competence)</td>
</tr>
</tbody>
</table>

**Action:** IT Competence

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

<table>
<thead>
<tr>
<th>Priority:</th>
</tr>
</thead>
</table>

**Status** for IT Competence

**Current Status:** Completed
2: Understand and support user needs
Demonstrates an ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems (Understand and support user needs)

**Action:** User needs

**Action Details:** ECT172 and ECT372 have been reviewed for user need subject matter. ECT372 has been supplemented.

**Implementation Plan (timeline):** 11-12 cycle

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

---

3: Transfer technologies & solutions to the user environment
Demonstrate an ability to effectively integrate IT-based solutions into the user environment (Transfer technologies and solutions to the user environment)

**Action:** Transfer technologies

**Action Details:** ECT172 and ECT372 have been reviewed. ECT172 has had subject matter added.

**Implementation Plan (timeline):** 11-12 cycle

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

---

4: Utilize practices and standards

**Action:** Standards

---

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**
5: Understand project planning tools
Demonstrate an ability to assist in the creation of an effective project plan (Understand project planning tools)

Action: Project tools

- Action Details: No changes
- Implementation Plan (timeline):
- Key/Responsible Personnel:
- Measures:
- Resource Allocations:
- Priority:

Status for Project tools

- Current Status: Completed
- Resource Allocation(s) Status:
- Next Steps/Additional Information:

6: Understand fundamental technologies
Understand the fundamentals of the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies (Understand fundamental HCI, information management,

Action: Fundamental Technologies

- Action Details: No changes
- Implementation Plan (timeline):
- Key/Responsible Personnel:
- Measures:
- Resource Allocations:
**Priority:**

**Status for Fundamental Technologies**

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

### 7: Understand information security

*Understand the fundamentals of information assurance and security (Understand information security)*

**Action:** Security

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

**Status for Security**

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

### 8: Understand system administration and maintenance

*Understand the fundamentals of system administration and maintenance (Understand system administration and maintenance)*

**Action:** System Administration

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

**Status for System Administration**

**Current Status:** Completed

**Resource Allocation(s) Status:**
9: Understand system integration and architecture

<table>
<thead>
<tr>
<th>Action: Understand Integration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action Details:</strong> No changes</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

**Status** for Understand Integration

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

## Status Summary

*No text specified*

## Summary of Next Steps

*No text specified*
2012-2013 Assessment Cycle

Assessment Plan

Outcomes and Measures

BS in Information Technology Outcome Set

1: Apply general knowledge to IT issues
An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

<table>
<thead>
<tr>
<th>1: Use mathematics</th>
<th>Measure: Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use mathematics to solve IT issues and problems (Use mathematics)</td>
<td>Direct - Exam</td>
</tr>
<tr>
<td>Details/Description: Net+ exam</td>
<td></td>
</tr>
<tr>
<td>Target:</td>
<td></td>
</tr>
<tr>
<td>Implementation Plan (timeline): Spring Sr year</td>
<td></td>
</tr>
<tr>
<td>Responsible Individual(s): IT Program Team</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2: Modeling for analysis</th>
<th>Measure: Modeling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model IT systems for design and analysis (Modeling for analysis)</td>
<td>Direct - Exam</td>
</tr>
<tr>
<td>Details/Description: Net+</td>
<td></td>
</tr>
<tr>
<td>Target:</td>
<td></td>
</tr>
<tr>
<td>Implementation Plan (timeline): Spring Sr year</td>
<td></td>
</tr>
<tr>
<td>Responsible Individual(s): IT Program Team</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3: System design</th>
<th>Measure: Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design IT systems (System design)</td>
<td>Direct - Exam</td>
</tr>
<tr>
<td>Details/Description: Net+ exam</td>
<td></td>
</tr>
<tr>
<td>Target:</td>
<td></td>
</tr>
<tr>
<td>Implementation Plan (timeline): Spring Sr year</td>
<td></td>
</tr>
<tr>
<td>Responsible Individual(s): IT Program Team</td>
<td></td>
</tr>
</tbody>
</table>

2: Analyze and solve problems
An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

<table>
<thead>
<tr>
<th>1: Problem definition</th>
<th>Measure: Problem analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use analytical tools and experiences to understand and define problems (Problem definition)</td>
<td>Direct - Exam</td>
</tr>
<tr>
<td>Details/Description: A+ exam</td>
<td></td>
</tr>
<tr>
<td>Target:</td>
<td></td>
</tr>
<tr>
<td>Implementation Plan (timeline): Spring Sr year</td>
<td></td>
</tr>
<tr>
<td>ID</td>
<td>Description</td>
</tr>
<tr>
<td>----</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>2</td>
<td><strong>Problem solution development</strong>&lt;br&gt;Use accepted problem solving techniques and tools to develop solutions (Problem solution development)</td>
</tr>
<tr>
<td>3</td>
<td><strong>Apply solutions and monitor progress</strong>&lt;br&gt;Select appropriate solutions, implement and monitor progress (Apply solutions and monitor progress)</td>
</tr>
<tr>
<td>3</td>
<td><strong>Design and implement computer-based solutions</strong>&lt;br&gt;An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs (Design and implement computer-based solutions)</td>
</tr>
<tr>
<td>1</td>
<td><strong>Computer-based system design</strong>&lt;br&gt;Develop system designs (Computer-based system design)</td>
</tr>
<tr>
<td>2</td>
<td><strong>Apply designs and test</strong>&lt;br&gt;Apply designs and use experiments to evaluate performance (Apply designs and test)</td>
</tr>
<tr>
<td>3</td>
<td><strong>Install systems and monitor performance</strong>&lt;br&gt;Commissioning designs and monitor performance (Install systems and monitor performance)</td>
</tr>
</tbody>
</table>
4: Function effectively in the team environment
An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

1: Effective team member
Functions as an effective team member (Effective team member)

- **Measure:** Teaming
  - Direct - Other

  - **Details/Description:** Assessed in ECT301 project
  - **Target:**
    - Implementation Plan (timeline): Spring semester
  - **Responsible Individual(s):** IT Program Team & advisory board

2: Understands the purpose of teams
Assumes responsibility as a team member, respects chain of command and understands why teams exist (Understands the purpose of teams)

- **Measure:** Purpose of teams
  - Direct - Other

  - **Details/Description:** Assessed in ECT301 projects
  - **Target:**
    - Implementation Plan (timeline): Spring semester
  - **Responsible Individual(s):** IT Program Team

3: Works and communicates well in the team setting
Recognizes the need for good interpersonal skills and practices quality in communication in the team setting (Works and communicates well in the team setting)

- **Measure:** Communicates in team
  - Direct - Other

  - **Details/Description:** Assessed in ECT301
  - **Target:**
    - Implementation Plan (timeline): Spring semester
  - **Responsible Individual(s):** IT Program Team & advisory board

5: Understand professional and ethical responsibilities
An understanding of professional, ethical, legal, security and social issues and responsibilities (Understand professional and ethical responsibilities)

1: Demonstrates professionalism
Understands the role of the professional and aspires to become a respected member of an organization (Demonstrates professionalism)

- **Measure:** Professionalism
  - Indirect - Survey

  - **Details/Description:** Assessed in ECT372 by peers and instructors
  - **Target:**
    - Implementation Plan (timeline): Spring semester
  - **Responsible Individual(s):** IT Program Team

2: Understands and exhibits ethics
Is knowledgeable on issues involving social and ethical responsibilities (Understands and exhibits ethics)

- **Measure:** Ethics
  - Direct - Exam

  - **Details/Description:** Security+ exam
  - **Target:**
    - Implementation Plan (timeline): Spring Sr year
  - **Responsible Individual(s):** IT Program Team
3: Understands the role of the IT professional
- **Measure**: IT Professional
  - Direct - Exam
- **Details/Description**: A+ exam
- **Target**: 
- **Implementation Plan (timeline)**: Spring Sr year
- **Responsible Individual(s)**: IT Program Team

6: Effective communication
An ability to communicate effectively with a range of audiences (Effective communication)

1: Exhibits good verbal communications
- **Measure**: Verbal Communications
  - Direct - Other
- **Details/Description**: Have students and instructor assess project presentations in ECT372.
- **Target**: 
- **Implementation Plan (timeline)**: Every spring semester.
- **Responsible Individual(s)**:

2: Possesses good written communications skills
- **Measure**: Written Communication
  - Direct - Student Artifact
- **Details/Description**: Assess student project report in ECT372.
- **Target**: 
- **Implementation Plan (timeline)**: Every spring semester.
- **Responsible Individual(s)**:

3: Understands the need for formality and respect
- **Measure**: Formality
  - Indirect - Survey
- **Details/Description**: Survey by peers and instructors during project presentations ECT372
- **Target**: 
- **Implementation Plan (timeline)**: Every spring semester
- **Responsible Individual(s)**:

7: Respect diversity
The ability to analyze the local and global impact of computing on individuals, organizations, and society (Respect diversity)

1: Understands the IT marketplace
- **Measure**: IT Market
  - Direct - Exam
- **Details/Description**: A+ exam
- **Target**: 
- **Implementation Plan (timeline)**: Spring semester Sr year
- **Responsible Individual(s)**:
| 2: Understands social responsibility | **Measure:** Social  
Direct - Exam  

| Details/Description: A+ exam  
Target:  
Implementation Plan (timeline): Spring Sr year  
Responsible Individual(s): |
|---|---|
| 3: Understands the responsibility of safe design practices | **Measure:** Safe design  
Direct - Exam  

| Details/Description: Security + exam  
Target:  
Implementation Plan (timeline): Spring semester Sr year  
Responsible Individual(s): |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8: Professional development</td>
<td>Recognition of the need for and the ability to engage in continuous professional development (Professional development)</td>
</tr>
</tbody>
</table>
| 1: Demonstrates a desire to learn | **Measure:** Desire to learn  
Direct - Exam  

| Details/Description: A+ exam  
Target:  
Implementation Plan (timeline): Spring Sr year  
Responsible Individual(s): |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9: Mastery of IT tools</td>
<td>An ability to use current techniques, skills, and tools necessary for computing practice (Mastery of IT tools)</td>
</tr>
</tbody>
</table>
| 1: Demonstrates IT technical competence | **Measure:** IT Competence  
Direct - Exam  

| Details/Description: Net+ exam  
Target:  
Implementation Plan (timeline): Spring Sr year  
Responsible Individual(s): |
|---|---|
| 2: Understand and support user needs | **Measure:** User needs  
Direct - Exam  

| Details/Description: A+ exam  
Target:  
Implementation Plan (timeline): Spring Sr year  
Responsible Individual(s): |
3: Transfer technologies & solutions to the user environment

- **Measure:** User needs
- **Details/Description:** A+ exam
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
- **Responsible Individual(s):**

4: Utilize practices and standards

Demonstrate an understanding of best practices and standards and their application (Utilize practices and standards)

- **Measure:** Standards
- **Details/Description:** Security+ exam
- **Target:**
- **Implementation Plan (timeline):** Sp Sr year
- **Responsible Individual(s):**

5: Understand project planning tools

Demonstrate an ability to assist in the creation of an effective project plan (Understand project planning tools)

- **Measure:** Project tools
- **Details/Description:** Review ECT437 projects
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
- **Responsible Individual(s):**

6: Understand fundamental technologies

Understand the fundamentals of the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies (Understand fundamental HCI, information management, programming, networking and web technologies)

- **Measure:** Fundamental technologies
- **Details/Description:** Overall scores A+, Net+, Security+ exams
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
- **Responsible Individual(s):**

7: Understand information security

Understand the fundamentals of information assurance and security (Understand information security)

- **Measure:** Security
- **Details/Description:** Security+ exam
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
- **Responsible Individual(s):**

8: Understand system administration and maintenance

- **Measure:** Administration
- **Details/Description:**
- **Target:**
- **Implementation Plan (timeline):**
- **Responsible Individual(s):**
Understand the fundamentals of system administration and maintenance (Understand system administration and maintenance)

<table>
<thead>
<tr>
<th>Details/Description: A+ exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target:</td>
</tr>
<tr>
<td>Implementation Plan (timeline): Spring Sr year</td>
</tr>
<tr>
<td>Responsible Individual(s):</td>
</tr>
</tbody>
</table>

### 9: Understand system integration and architecture
Understand the fundamentals of system integration and architecture (Understand system integration and architecture)

<table>
<thead>
<tr>
<th>Measure: Architecture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct - Exam</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Details/Description: A+ exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target:</td>
</tr>
<tr>
<td>Implementation Plan (timeline): Spring Sr year</td>
</tr>
<tr>
<td>Responsible Individual(s):</td>
</tr>
</tbody>
</table>

---

### Assessment Findings

#### Finding per Measure

**BS in Information Technology Outcome Set**

**1: Apply general knowledge to IT issues**
An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

<table>
<thead>
<tr>
<th>Measure: Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct - Exam</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Details/Description: Net+ exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target:</td>
</tr>
<tr>
<td>Implementation Plan (timeline): Spring Sr year</td>
</tr>
<tr>
<td>Responsible Individual(s): IT Program Team</td>
</tr>
</tbody>
</table>

**Findings for Math**

**Summary of Findings:** 82% on math questions

**Results:** Target Achievement: Met

**Recommendations:**

**Reflections/Notes:**

---

**2: Modeling for analysis**
Model IT systems for design and analysis (Modeling for analysis)

<table>
<thead>
<tr>
<th>Measure: Modeling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct - Exam</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Details/Description: Net+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target:</td>
</tr>
<tr>
<td>Implementation Plan (timeline): Spring Sr year</td>
</tr>
<tr>
<td>Responsible Individual(s): IT Program Team</td>
</tr>
</tbody>
</table>

---
<table>
<thead>
<tr>
<th>3: System design</th>
<th>Measure: Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design IT systems (System design)</td>
<td>Direct - Exam</td>
</tr>
</tbody>
</table>

**Details/Description:** Net+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** IT Program Team

<table>
<thead>
<tr>
<th>Findings for Design</th>
</tr>
</thead>
</table>

**Summary of Findings:** 75% average on design  
**Results:** Target Achievement: Not Met  
**Recommendations:**  
**Reflections/Notes:**

<table>
<thead>
<tr>
<th>2: Analyze and solve problems</th>
</tr>
</thead>
</table>

**An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)**

<table>
<thead>
<tr>
<th>1: Problem definition</th>
</tr>
</thead>
</table>

**Measure: Problem analysis**  
**Direct - Exam**

**Details/Description:** A+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** IT Program Team

<table>
<thead>
<tr>
<th>Findings for Problem analysis</th>
</tr>
</thead>
</table>

**Summary of Findings:** 85% of average questions  
**Results:** Target Achievement: Met  
**Recommendations:**  
**Reflections/Notes:**

<table>
<thead>
<tr>
<th>2: Problem solution development</th>
</tr>
</thead>
</table>

**Measure: Problem solution**  
**Direct - Student Artifact**

**Findings for Modeling**

**Summary of Findings:** 70% average on modeling  
**Results:** Target Achievement: Not Met  
**Recommendations:**  
**Reflections/Notes:**
solving techniques and tools to develop solutions (Problem solution development)

**Details/Description**: Assessed in ECT 301
**Target:**
**Implementation Plan (timeline)**: Spring Sr year
**Responsible Individual(s)**: IT Program Team

**Findings for Problem solution**

**Summary of Findings**: 83% average
**Results**: Target Achievement: Met
**Recommendations**: 
**Reflections/Notes**: 

---

**3: Apply solutions and monitor progress**
Select appropriate solutions, implement and monitor progress (Apply solutions and monitor progress)

**Measure**: Apply solutions
**Direct**: Student Artifact

**Details/Description**: Assessed in ECT301
**Target:**
**Implementation Plan (timeline)**: Spring Sr year
**Responsible Individual(s)**: IT Program Team

**Findings for Apply solutions**

**Summary of Findings**: 98% average
**Results**: Target Achievement: Met
**Recommendations**: 
**Reflections/Notes**: 

---

**3: Design and implement computer-based solutions**
An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs (Design and implement computer-based solutions)

**1: Computer-based system design**
Develop system designs (Computer-based system design)

**Measure**: System design
**Direct**: Student Artifact

**Details/Description**: Accessed in ECT 301
**Target:**
**Implementation Plan (timeline)**: Spring Sr year
**Responsible Individual(s)**: IT Program Team

**Findings for System design**

**Summary of Findings**: 95% average
**Results**: Target Achievement: Met
**Recommendations**: 
**Reflections/Notes**: 

2: Apply designs and test
Apply designs and use experiments to evaluate performance (Apply designs and test)

Measure: Apply designs
Direct - Exam

Details/Description: Accessed in ECT 301
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s): IT Program Team

Findings for Apply designs

Summary of Findings: 97% average
Results: Target Achievement: Met
Recommendations:
Reflections/Notes:

3: Install systems and monitor performance
Commissioning designs and monitor performance (Install systems and monitor performance)

Measure: Install & monitor
Direct - Student Artifact

Details/Description: Assessed in ECT373
Target:
Implementation Plan (timeline): Spring Semester
Responsible Individual(s): IT Program Team

Findings for Install & monitor

Summary of Findings: No findings
Results: Target Achievement: Not Met
Recommendations: Need hands on project in ECT 372
Reflections/Notes:

4: Function effectively in the team environment
An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

1: Effective team member
Functions as an effective team member (Effective team member)

Measure: Teaming
Direct - Other

Details/Description: Assessed in ECT301 project
Target:
Implementation Plan (timeline): Spring semester
Responsible Individual(s): IT Program Team & advisory board

Reflections/Notes:
Findings for Teaming

Summary of Findings: 99% average
Results: Target Achievement: Met
Recommendations:
Reflections/Notes:

2: Understands the purpose of teams

Assumes responsibility as a team member, respects chain of command and understands why teams exist (Understands the purpose of teams)

Measure: Purpose of teams
Direct - Other

Details/Description: Assessed in ECT301 projects
Target:
Implementation Plan (timeline): Spring semester
Responsible Individual(s): IT Program Team

Findings for Purpose of teams

Summary of Findings: 98% average
Results: Target Achievement: Met
Recommendations:
Reflections/Notes:

3: Works and communicates well in the team setting

Recognizes the need for good interpersonal skills and practices quality in communication in the team setting (Works and communicates well in the team setting)

Measure: Communicates in team
Direct - Other

Details/Description: Assessed in ECT301
Target:
Implementation Plan (timeline): Spring semester
Responsible Individual(s): IT Program Team & advisory board

Findings for Communicates in team

Summary of Findings: 98% average
Results: Target Achievement: Met
Recommendations:
Reflections/Notes:

5: Understand professional and ethical responsibilities

An understanding of professional, ethical, legal, security and social issues and responsibilities (Understand professional and ethical responsibilities)

1: Demonstrates professionalism

 Understands the role of the

Measure: Professionalism
Indirect - Survey
### 2: Understands and exhibits ethics
Is knowledgeable on issues involving social and ethical responsibilities (Understands and exhibits ethics)

<table>
<thead>
<tr>
<th>Measure: Ethics</th>
<th>Direct - Exam</th>
</tr>
</thead>
</table>

**Details/Description:** Security+ exam

**Target:**

** Implementation Plan (timeline):** Spring Sr year

**Responsible Individual(s):** IT Program Team

<table>
<thead>
<tr>
<th>Findings for Ethics</th>
</tr>
</thead>
</table>

**Summary of Findings:** 91% average

**Results:** Target Achievement: Met

**Recommendations:**

**Reflections/Notes:**

### 3: Understands the role of the IT professional
Understands the role the IT professional has in developing and delivering responsible and secure solutions (Understands the role of the IT professional)

<table>
<thead>
<tr>
<th>Measure: IT Professional</th>
<th>Direct - Exam</th>
</tr>
</thead>
</table>

**Details/Description:** A+ exam

**Target:**

** Implementation Plan (timeline):** Spring Sr year

**Responsible Individual(s):** IT Program Team

<table>
<thead>
<tr>
<th>Findings for IT Professional</th>
</tr>
</thead>
</table>

**Summary of Findings:** 89% average

**Results:** Target Achievement: Met

**Recommendations:**

**Reflections/Notes:**

---

**Details/Description:** Assessed in ECT372 by peers and instructors

**Target:**

**Implementation Plan (timeline):** Spring semester

**Responsible Individual(s):** IT Program Team

<table>
<thead>
<tr>
<th>Findings for Professionalism</th>
</tr>
</thead>
</table>

**Summary of Findings:** No assessment this cycle

**Results:** Target Achievement: Not Met

**Recommendations:**

**Reflections/Notes:**
### 6: Effective communication
An ability to communicate effectively with a range of audiences (Effective communication)

| 1: Exhibits good verbal communications | **Measure:** Verbal Communications  
Direct - Other  
| Details/Description: Have students and instructor assess project presentations in ECT372.  
**Target:**  
**Implementation Plan (timeline):** Every spring semester.  
**Responsible Individual(s):**  
**Findings for Verbal Communications**  
**Summary of Findings:** 85% Overall average  
**Results:** Target Achievement: Met  
**Recommendations:**  
**Reflections/Notes:** |

| 2: Possesses good written communications skills | **Measure:** Written Communication  
Direct - Student Artifact  
| Details/Description: Assess student project report in ECT372.  
**Target:**  
**Implementation Plan (timeline):** Every spring semester.  
**Responsible Individual(s):**  
**Findings for Written Communication**  
**Summary of Findings:** 83% overall average  
**Results:** Target Achievement: Met  
**Recommendations:**  
**Reflections/Notes:** |

| 3: Understands the need for formality and respect | **Measure:** Formality  
Indirect - Survey  
| Details/Description: Survey by peers and instructors during project presentations ECT372  
**Target:**  
**Implementation Plan (timeline):** Every spring semester  
**Responsible Individual(s):**  
**Findings for Formality**  
**Summary of Findings:** No assessment this cycle |
**Results:** Target Achievement: Not Met
**Recommendations:**
**Reflections/Notes:**

---

**7: Respect diversity**
The ability to analyze the local and global impact of computing on individuals, organizations, and society (Respect diversity)

**1: Understands the IT marketplace**
Exhibits some knowledge of the global nature of IT system use (Understands the IT marketplace)

**Measure:** IT Market
**Direct - Exam**

**Details/Description:** A+ exam
**Target:**
**Implementation Plan (timeline):** Spring semester Sr year
**Responsible Individual(s):**

**Findings for IT Market**

**Summary of Findings:** 80% average
**Results:** Target Achievement: Met
**Recommendations:**
**Reflections/Notes:**

---

**2: Understands social responsibility**
Understand the importance of the social issues involved with business and industry (Understands social responsibility)

**Measure:** Social
**Direct - Exam**

**Details/Description:** A+ exam
**Target:**
**Implementation Plan (timeline):** Spring Sr year
**Responsible Individual(s):**

**Findings for Social**

**Summary of Findings:** 85% average
**Results:** Target Achievement: Met
**Recommendations:**
**Reflections/Notes:**

---

**3: Understands the responsibility of safe design practices**
Understand the importance and responsibility of safety in design and operations as a social issue (Understands the responsibility of safe)

**Measure:** Safe design
**Direct - Exam**

**Details/Description:** Security + exam
**Target:**
**Implementation Plan (timeline):** Spring semester Sr year

**Summary of Findings:**
**Results:** Target Achievement: Met
**Recommendations:**
**Reflections/Notes:**
8: Professional development
Recognition of the need for and the ability to engage in continuous professional development (Professional development)

1: Demonstrates a desire to learn
Demonstrates the desire to learn and respects those who possess knowledge (Demonstrates a desire to learn)

Measure: Desire to learn
Direct - Exam

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

Findings for Desire to learn

Summary of Findings: 91% average
Results: Target Achievement: Met
Recommendations:
Reflections/Notes:

9: Mastery of IT tools
An ability to use current techniques, skills, and tools necessary for computing practice (Mastery of IT tools)

1: Demonstrates IT technical competence
Demonstrates an ability to use and apply current technical concepts and practices in the core information technologies (Demonstrates IT technical competence)

Measure: IT Competence
Direct - Exam

Details/Description: Net+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

Findings for IT Competence

Summary of Findings: 90% average
Results: Target Achievement: Met
Recommendations:
Reflections/Notes:
2: Understand and support user needs

Measure: User needs
Direct - Exam

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

Findings for User needs

Summary of Findings: 65% average
Results: Target Achievement: Not Met
Recommendations: Need review of 172 and 372 projects
Reflections/Notes:

3: Transfer technologies & solutions to the user environment

Measure: User needs
Direct - Exam

Details/Description: A+ exam
Target:
Implementation Plan (timeline): Spring Sr year
Responsible Individual(s):

Findings for User needs

Summary of Findings: 66% average
Results: Target Achievement: Not Met
Recommendations: Need review of 172 and 372
Reflections/Notes:

4: Utilize practices and standards

Measure: Standards
Direct - Exam

Details/Description: Security+ exam
Target:
Implementation Plan (timeline): Sp Sr year
Responsible Individual(s):

Findings for Standards

Summary of Findings: 78% average
Results: Target Achievement: Met
Recommendations:
### 5: Understand project planning tools

**Measure:** Project tools  
Direct - Student Artifact

**Details/Description:** Review ECT437 projects  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):**

**Findings for Project tools**

- **Summary of Findings:** 90% average  
- **Results:** Target Achievement: Met  
- **Recommendations:**
- **Reflections/Notes:**

### 6: Understand fundamental technologies

**Measure:** Fundamental technologies  
Direct - Exam

**Details/Description:** Overall scores A+, Net+, Security+ exams  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):**

**Findings for Fundamental technologies**

- **Summary of Findings:** 84% average  
- **Results:** Target Achievement: Met  
- **Recommendations:**
- **Reflections/Notes:**

### 7: Understand information security

**Measure:** Security  
Direct - Exam

**Details/Description:** Security+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):**

**Findings for Security**

- **Summary of Findings:**
- **Results:**
- **Recommendations:**
- **Reflections/Notes:**
**Summary of Findings:** 90% average  
**Results:** Target Achievement: Met  
**Recommendations:**  
**Reflections/Notes:**

---

**8: Understand system administration and maintenance**  
Understand the fundamentals of system administration and maintenance (Understand system administration and maintenance)

**Measure:** Administration  
Direct - Exam

**Details/Description:** A+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):**

**Findings** for Administration

**Summary of Findings:** 93% average  
**Results:** Target Achievement: Met  
**Recommendations:**  
**Reflections/Notes:**

---

**9: Understand system integration and architecture**  
Understand the fundamentals of system integration and architecture (Understand system integration and architecture)

**Measure:** Architecture  
Direct - Exam

**Details/Description:** A+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):**

**Findings** for Architecture

**Summary of Findings:** 89% average  
**Results:** Target Achievement: Met  
**Recommendations:**  
**Reflections/Notes:**

---

**Overall Recommendations**

No text specified

**Overall Reflection**

No text specified
### Action Plan

<table>
<thead>
<tr>
<th><strong>1: Use mathematics</strong></th>
<th><strong>Action:</strong> Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use mathematics to solve IT issues and problems (Use mathematics)</td>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td></td>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td></td>
<td><strong>Action Details:</strong> No action is required.</td>
</tr>
<tr>
<td></td>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>2: Modeling for analysis</strong></th>
<th><strong>Action:</strong> Modeling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model IT systems for design and analysis (Modeling for analysis)</td>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td></td>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td></td>
<td><strong>Action Details:</strong> A new database class needs to be added.</td>
</tr>
<tr>
<td></td>
<td><strong>Implementation Plan (timeline):</strong> Class has been developed and will be offered in 2014-15 cycle.</td>
</tr>
<tr>
<td></td>
<td><strong>Key/Responsible Personnel:</strong> Program coordinator</td>
</tr>
<tr>
<td></td>
<td><strong>Measures:</strong> Project work</td>
</tr>
<tr>
<td></td>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Priority:</strong> Medium</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>3: System design</strong></th>
<th><strong>Action:</strong> System design</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design IT systems (System design)</td>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td></td>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td></td>
<td><strong>Action Details:</strong> A new database class needs to be added.</td>
</tr>
<tr>
<td></td>
<td><strong>Implementation Plan (timeline):</strong> Class has been developed and will be offered in 2014-15 cycle.</td>
</tr>
<tr>
<td></td>
<td><strong>Key/Responsible Personnel:</strong> Program coordinator</td>
</tr>
</tbody>
</table>
### Measures: Project work

### Resource Allocations:

### Priority: Medium

#### 2: Analyze and solve problems

An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

<table>
<thead>
<tr>
<th>1: Problem definition</th>
<th>Action: Problem definition</th>
</tr>
</thead>
</table>

Use analytical tools and experiences to understand and define problems (Problem definition)

- **This Action is associated with the following Findings**
  - No supporting Findings have been linked to this Action.

- **Action Details:** No change

- **Implementation Plan (timeline):**

- **Key/Responsible Personnel:**

- **Measures:**

- **Resource Allocations:**

- **Priority:**

#### 2: Problem solution development

Use accepted problem solving techniques and tools to develop solutions (Problem solution development)

<table>
<thead>
<tr>
<th>Action: Problem Solutions</th>
</tr>
</thead>
</table>

- **This Action is associated with the following Findings**
  - No supporting Findings have been linked to this Action.

- **Action Details:** Assessed in ECT 301. Met the target. No action needed.

- **Implementation Plan (timeline):**

- **Key/Responsible Personnel:**

- **Measures:**

- **Resource Allocations:**

- **Priority:**

#### 3: Apply solutions and monitor progress

Select appropriate solutions, implement and monitor progress (Apply solutions and monitor progress)

<table>
<thead>
<tr>
<th>Action: Apply</th>
</tr>
</thead>
</table>

- **This Action is associated with the following Findings**
  - No supporting Findings have been linked to this Action.

- **Action Details:** Met. No action required.

- **Implementation Plan (timeline):**

- **Key/Responsible Personnel:**

- **Measures:**
### 3: Design and implement computer-based solutions
An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs

<table>
<thead>
<tr>
<th>Action: Design</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong> Met. No action required.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

### 1: Computer-based system design
Develop system designs

<table>
<thead>
<tr>
<th>Action: Apply design</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong> Met. No action required.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

### 2: Apply designs and test
Apply designs and use experiments to evaluate performance

### 3: Install systems and monitor performance
Commissioning designs and monitor performance

<table>
<thead>
<tr>
<th>Action: Install &amp; monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong> Was not assessed this cycle. Will assess later through hands-on project and in ECT 372.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong> 2014-15 cycle.</td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td>Resource Allocations:</td>
</tr>
<tr>
<td>----------------------</td>
</tr>
</tbody>
</table>

### 4: Function effectively in the team environment
An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

#### 1: Effective team member
Functions as an effective team member (Effective team member)

<table>
<thead>
<tr>
<th>Action: Teaming</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Action is associated with the following Findings</strong> No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong> Met. No action recommended.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

#### 2: Understands the purpose of teams
Assumes responsibility as a team member, respects chain of command and understands why teams exist (Understands the purpose of teams)

<table>
<thead>
<tr>
<th>Action: Team purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Action is associated with the following Findings</strong> No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong> Met. No action recommended.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
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<tr>
<td><strong>Measures:</strong></td>
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<tr>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

#### 3: Works and communicates well in the team setting
Recognizes the need for good interpersonal skills and practices quality in communication in the team setting (Works and communicates well in the team setting)

<table>
<thead>
<tr>
<th>Action: Communicates with team</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Action is associated with the following Findings</strong> No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong> Met. No action.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
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<tr>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td><strong>Resource Allocations:</strong></td>
</tr>
</tbody>
</table>
### Priority:

#### 5: Understand professional and ethical responsibilities

An understanding of professional, ethical, legal, security and social issues and responsibilities (Understand professional and ethical responsibilities)

<table>
<thead>
<tr>
<th>Action: Professionalism</th>
</tr>
</thead>
<tbody>
<tr>
<td>This Action is associated with the following Findings</td>
</tr>
<tr>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td>Implementation Plan (timeline): 2014-15 cycle</td>
</tr>
<tr>
<td>Key/Responsible Personnel:</td>
</tr>
<tr>
<td>Measures:</td>
</tr>
<tr>
<td>Resource Allocations:</td>
</tr>
<tr>
<td>Priority:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Action: Ethics</th>
</tr>
</thead>
<tbody>
<tr>
<td>This Action is associated with the following Findings</td>
</tr>
<tr>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td>Action Details: No changes</td>
</tr>
<tr>
<td>Implementation Plan (timeline):</td>
</tr>
<tr>
<td>Key/Responsible Personnel:</td>
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<tr>
<td>Measures:</td>
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<tr>
<td>Resource Allocations:</td>
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<tr>
<td>Priority:</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Action: IT Professional</th>
</tr>
</thead>
<tbody>
<tr>
<td>This Action is associated with the following Findings</td>
</tr>
<tr>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td>Action Details: No changes</td>
</tr>
<tr>
<td>Implementation Plan (timeline):</td>
</tr>
<tr>
<td>Key/Responsible Personnel:</td>
</tr>
<tr>
<td>Measures:</td>
</tr>
<tr>
<td>Resource Allocations:</td>
</tr>
<tr>
<td>Priority:</td>
</tr>
</tbody>
</table>
6: Effective communication
An ability to communicate effectively with a range of audiences (Effective communication)

<table>
<thead>
<tr>
<th>1: Exhibits good verbal communications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action:</strong> Communication</td>
</tr>
<tr>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong> Met. No action needed.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
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<tr>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

Can verbally present and describe technical information and issues in a clear manner (Exhibits good verbal communications)

<table>
<thead>
<tr>
<th>2: Possesses good written communications skills</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action:</strong> Written Communication</td>
</tr>
<tr>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong> Met. No action recommended.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
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<tr>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td><strong>Resource Allocations:</strong></td>
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<tr>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

Can develop well written e-mails, letters, technical documents, test plans and PowerPoint presentations (Possesses good written communications skills)

<table>
<thead>
<tr>
<th>3: Understands the need for formality and respect</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action:</strong> Formality</td>
</tr>
<tr>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong> Not assessed.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong> 2014-15</td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
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<tr>
<td><strong>Measures:</strong></td>
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<tr>
<td><strong>Resource Allocations:</strong></td>
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<tr>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

Differentiates between formal, semi-formal and informal situations involving verbal and written protocols, including meeting (Understands the need for formality and respect in communication)
### 7: Respect diversity
The ability to analyze the local and global impact of computing on individuals, organizations, and society (Respect diversity)

<table>
<thead>
<tr>
<th></th>
<th>Action: IT Market</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Action is associated with the following Findings</strong></td>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong></td>
<td>No changes</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
<td></td>
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<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
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<tr>
<td><strong>Measures:</strong></td>
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<td><strong>Resource Allocations:</strong></td>
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<td><strong>Priority:</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Action: Social Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Action is associated with the following Findings</strong></td>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong></td>
<td>No changes</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
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<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
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<tr>
<td><strong>Measures:</strong></td>
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<tr>
<td><strong>Resource Allocations:</strong></td>
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<td><strong>Priority:</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Action: Safe design</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>This Action is associated with the following Findings</strong></td>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td><strong>Action Details:</strong></td>
<td>No changes</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
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<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
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<tr>
<td><strong>Measures:</strong></td>
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<tr>
<td><strong>Resource Allocations:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
<td></td>
</tr>
</tbody>
</table>

### 8: Professional development
Recognition of the need for and the ability to engage in continuous professional development (Professional development)
<table>
<thead>
<tr>
<th>1: Demonstrates a desire to learn</th>
<th><strong>Action:</strong> Professional Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates the desire to learn and respects those who possess knowledge (Demonstrates a desire to learn)</td>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td></td>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td></td>
<td><strong>Action Details:</strong> No Changes</td>
</tr>
<tr>
<td></td>
<td><strong>Implementation Plan (timeline):</strong></td>
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<tr>
<td></td>
<td><strong>Key/Responsible Personnel:</strong></td>
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<td><strong>Measures:</strong></td>
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<td></td>
<td><strong>Resource Allocations:</strong></td>
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<tr>
<td></td>
<td><strong>Priority:</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>1: Demonstrates IT technical competence</th>
<th><strong>Action:</strong> IT Competence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates an ability to use and apply current technical concepts and practices in the core information technologies (Demonstrates IT technical competence)</td>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td></td>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td></td>
<td><strong>Action Details:</strong> No changes</td>
</tr>
<tr>
<td></td>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Key/Responsible Personnel:</strong></td>
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<tr>
<td></td>
<td><strong>Measures:</strong></td>
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<td></td>
<td><strong>Resource Allocations:</strong></td>
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<tr>
<td></td>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2: Understand and support user needs</th>
<th><strong>Action:</strong> User needs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates an ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems (Understand and support user needs)</td>
<td><strong>This Action is associated with the following Findings</strong></td>
</tr>
<tr>
<td></td>
<td>No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td></td>
<td><strong>Action Details:</strong> ECT172 and ECT372 Projects need to be reviewed.</td>
</tr>
<tr>
<td></td>
<td><strong>Implementation Plan (timeline):</strong> 2013-14 cycle. Project will be given.</td>
</tr>
<tr>
<td></td>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>
3: Transfer technologies & solutions to the user environment
Demonstrate an ability to effectively integrate IT-based solutions into the user environment (Transfer technologies and solutions to the user environment)

**Action:** Transfer technologies

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

**Action Details:** ECT172 and ECT372 Projects need to be reviewed.

**Implementation Plan (timeline):** 2013-14 cycle.

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

4: Utilize practices and standards
Demonstrate an understanding of best practices and standards and their application (Utilize practices and standards)

**Action:** Standards

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

**Action Details:** Met. No action.

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

5: Understand project planning tools
Demonstrate an ability to assist in the creation of an effective project plan (Understand project planning tools)

**Action:** Project tools

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

6: Understand fundamental technologies
Understand the fundamentals of the core

**Action:** Fundamental Technologies

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.
information technologies of human computer interaction, information management, programming, networking, web systems and technologies (Understand fundamental HCI, information management, programming, networking and web technologies)

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

---

**7: Understand information security**

Understand the fundamentals of information assurance and security (Understand information security)

**Action:** Security

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

---

**8: Understand system administration and maintenance**

Understand the fundamentals of system administration and maintenance (Understand system administration and maintenance)

**Action:** System Administration

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

---

**9: Understand system integration and architecture**

Understand the fundamentals of system integration and architecture (Understand system integration and architecture)

**Action:** Understand Integration

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** No changes

**Implementation Plan (timeline):**
### BS in Information Technology Outcome Set

#### 1: Apply general knowledge to IT issues
An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

<table>
<thead>
<tr>
<th>1: Use mathematics</th>
<th>Action: Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use mathematics to solve IT issues and problems (Use mathematics)</td>
<td>Action Details: No action is required.</td>
</tr>
<tr>
<td></td>
<td>Implementation Plan (timeline):</td>
</tr>
<tr>
<td></td>
<td>Key/Responsible Personnel:</td>
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<tr>
<td></td>
<td>Measures:</td>
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<td></td>
<td>Resource Allocations:</td>
</tr>
<tr>
<td></td>
<td>Priority:</td>
</tr>
</tbody>
</table>

**Status** for Math

- **Current Status:** Completed
- **Resource Allocation(s) Status:**
- **Next Steps/Additional Information:**

#### 2: Modeling for analysis
Model IT systems for design and analysis (Modeling for analysis)

<table>
<thead>
<tr>
<th>2: Modeling for analysis</th>
<th>Action: Modeling</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Action Details: A new database class needs to be added.</td>
</tr>
<tr>
<td></td>
<td>Implementation Plan (timeline): Class has been developed and will be offered in 2014-15 cycle.</td>
</tr>
<tr>
<td></td>
<td>Key/Responsible Personnel: Program coordinator</td>
</tr>
<tr>
<td></td>
<td>Measures: Project work</td>
</tr>
<tr>
<td></td>
<td>Resource Allocations:</td>
</tr>
<tr>
<td></td>
<td>Priority: Medium</td>
</tr>
</tbody>
</table>
### Status for Modeling

**Current Status:** In Progress  
**Resource Allocation(s) Status:**  
**Next Steps/Additional Information:**

#### 3: System design  
Design IT systems (System design)

<table>
<thead>
<tr>
<th><strong>Action:</strong> System design</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action Details:</strong> A new database class needs to be added.</td>
<td></td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong> Class has been developed and will be offered in 2014-15 cycle.</td>
<td></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong> Program coordinator</td>
<td></td>
</tr>
<tr>
<td><strong>Measures:</strong> Project work</td>
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</tr>
<tr>
<td><strong>Resource Allocations:</strong></td>
<td></td>
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<tr>
<td><strong>Priority:</strong> Medium</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Status</strong> for System design</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Status:</strong> In Progress</td>
</tr>
<tr>
<td><strong>Resource Allocation(s) Status:</strong></td>
</tr>
<tr>
<td><strong>Next Steps/Additional Information:</strong></td>
</tr>
</tbody>
</table>

#### 2: Analyze and solve problems  
An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

#### 1: Problem definition  
Use analytical tools and experiences to understand and define problems (Problem definition)

<table>
<thead>
<tr>
<th><strong>Action:</strong> Problem definition</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action Details:</strong> No change</td>
<td></td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
<td></td>
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<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
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<tr>
<td><strong>Measures:</strong></td>
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<td><strong>Resource Allocations:</strong></td>
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<td><strong>Priority:</strong></td>
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</table>

<table>
<thead>
<tr>
<th><strong>Status</strong> for Problem definition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Status:</strong> Completed</td>
</tr>
<tr>
<td><strong>Resource Allocation(s) Status:</strong></td>
</tr>
<tr>
<td><strong>Next Steps/Additional Information:</strong></td>
</tr>
</tbody>
</table>
### 2: Problem solution development

**Action:** Problem Solutions

- **Action Details:** Assessed in ECT 301. Met the target. No action needed.

- **Implementation Plan (timeline):**

- **Key/Responsible Personnel:**

- **Measures:**

- **Resource Allocations:**

- **Priority:**

---

#### Status for Problem Solutions

- **Current Status:** Completed

- **Resource Allocation(s) Status:**

- **Next Steps/Additional Information:**

### 3: Apply solutions and monitor progress

**Action:** Apply

- **Action Details:** Met. No action required.

- **Implementation Plan (timeline):**

- **Key/Responsible Personnel:**

- **Measures:**

- **Resource Allocations:**

- **Priority:**

---

#### Status for Apply

- **Current Status:** Completed

- **Resource Allocation(s) Status:**

- **Next Steps/Additional Information:**

### 3: Design and implement computer-based solutions

**Action:** Design

- **Action Details:** Design.

- **Implementation Plan (timeline):**

- **Key/Responsible Personnel:**

- **Measures:**

- **Resource Allocations:**

- **Priority:**

---

#### Status for Design

- **Current Status:** Met

- **Resource Allocation(s) Status:**

- **Next Steps/Additional Information:**

---

**Action:** Implement

- **Action Details:** Implemented.

- **Implementation Plan (timeline):**

- **Key/Responsible Personnel:**

- **Measures:**

- **Resource Allocations:**

- **Priority:**

---

#### Status for Implement

- **Current Status:** Completed

- **Resource Allocation(s) Status:**

- **Next Steps/Additional Information:**

---

**Action:** Evaluate

- **Action Details:** Evaluated.

- **Implementation Plan (timeline):**

- **Key/Responsible Personnel:**

- **Measures:**

- **Resource Allocations:**

- **Priority:**

---

#### Status for Evaluate

- **Current Status:** Met

- **Resource Allocation(s) Status:**

- **Next Steps/Additional Information:**
1: Computer-based system design

Develop system designs (Computer-based system design)

**Action**: Design

**Action Details**: Met. No action required.

**Implementation Plan (timeline)**:

**Key/Responsible Personnel**:

**Measures**:

**Resource Allocations**:

**Priority**:

**Status** for Design

**Current Status**: Completed

**Resource Allocation(s) Status**:

**Next Steps/Additional Information**:

2: Apply designs and test

Apply designs and use experiments to evaluate performance (Apply designs and test)

**Action**: Apply design

**Action Details**: Met. No action required.

**Implementation Plan (timeline)**:

**Key/Responsible Personnel**:

**Measures**:

**Resource Allocations**:

**Priority**:

**Status** for Apply design

**Current Status**: Completed

**Resource Allocation(s) Status**:

**Next Steps/Additional Information**:

3: Install systems and monitor performance

Commissioning designs and monitor performance (Install systems and monitor performance)

**Action**: Install & monitor

**Action Details**: Was not assessed this cycle. Will assess later through hands-on project and in ECT 372.

**Implementation Plan (timeline)**: 2014-15 cycle.

**Key/Responsible Personnel**:

**Measures**:
Resource Allocations:
Priority:

**Status** for Install & monitor

**Current Status:** Not Implemented

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:** In 2014-15.

---

4: **Function effectively in the team environment**
An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

1: **Effective team member**
Functions as an effective team member (Effective team member)

**Action:** Teaming

**Action Details:** Met. No action recommended.

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

**Status** for Teaming

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

2: **Understands the purpose of teams**
Assumes responsibility as a team member, respects chain of command and understands why teams exist (Understands the purpose of teams)

**Action:** Team purpose

**Action Details:** Met. No action recommended.

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**
### Status for Team purpose

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

### 3: Works and communicates well in the team setting

Recognizes the need for good interpersonal skills and practices quality in communication in the team setting (Works and communicates well in the team setting)

#### Action: Communicates with team

**Action Details:** Met. No action.

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

#### Status for Communicates with team

**Current Status:** Completed

**Resource Allocation(s) Status:**

### 5: Understand professional and ethical responsibilities

An understanding of professional, ethical, legal, security and social issues and responsibilities (Understand professional and ethical responsibilities)

#### 1: Demonstrates professionalism

Understands the role of the professional and aspires to become a respected member of an organization (Demonstrates professionalism)

#### Action: Professionalism

**Action Details:** Was not assessed. Plan to assess in 2014-15.

**Implementation Plan (timeline):** 2014-15 cycle

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

#### Status for Professionalism

**Current Status:** In Progress

**Resource Allocation(s) Status:**

2: Understands and exhibits ethics
Is knowledgeable on issues involving social and ethical responsibilities (Understands and exhibits ethics)

Action: Ethics

Action Details: No changes

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Ethics

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:

3: Understands the role of the IT professional
Understands the role the IT professional has in developing and delivering responsible and secure solutions (Understands the role of the IT professional)

Action: IT Professional

Action Details: No changes

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for IT Professional

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:

6: Effective communication
An ability to communicate effectively with a range of audiences (Effective communication)

1: Exhibits good verbal communications

Action: Communication
Can verbally present and describe technical information and issues in a clear manner (Exhibits good verbal communications)

**Action Details:** Met. No action needed.

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

**Status for Communication**

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

### 2: Possesses good written communications skills
Can develop well written e-mails, letters, technical documents, test plans and PowerPoint presentations (Possesses good written communications skills)

**Action:** Written Communication

**Action Details:** Met. No action recommended.

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

**Status for Written Communication**

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

### 3: Understands the need for formality and respect
Differentiates between formal, semi-formal and informal situations involving verbal and written protocols, including meeting (Understands the need for formality and respect in communication)

**Action:** Formality

**Action Details:** Not assessed.

**Implementation Plan (timeline):** 2014-15

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**
### Priority:

**Status** for Formality

**Current Status:** In Progress

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:** In 2014-15.

### 7: Respect diversity

The ability to analyze the local and global impact of computing on individuals, organizations, and society (Respect diversity)

<table>
<thead>
<tr>
<th><strong>1: Understands the IT marketplace</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action:</strong> IT Market</td>
</tr>
<tr>
<td><strong>Action Details:</strong> No changes</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
</tr>
<tr>
<td><strong>Status</strong> for IT Market</td>
</tr>
<tr>
<td><strong>Current Status:</strong> Completed</td>
</tr>
<tr>
<td><strong>Resource Allocation(s) Status:</strong></td>
</tr>
<tr>
<td><strong>Next Steps/Additional Information:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>2: Understands social responsibility</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action:</strong> Social Responsibility</td>
</tr>
<tr>
<td><strong>Action Details:</strong> No changes</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
</tr>
<tr>
<td><strong>Status</strong> for Social Responsibility</td>
</tr>
</tbody>
</table>
Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:

3: Understands the responsibility of safe design practices
Understand the importance and responsibility of safety in design and operations as a social issue (Understands the responsibility of safe design practices and operations)

Action: Safe design

Action Details: No changes

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Safe design

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:

8: Professional development
Recognition of the need for and the ability to engage in continuous professional development (Professional development)

1: Demonstrates a desire to learn
Demonstrates the desire to learn and respects those who possess knowledge (Demonstrates a desire to learn)

Action: Professional Development

Action Details: No Changes

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Professional Development

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:
### 1: Demonstrates IT technical competence

**Mastery of IT tools**

<table>
<thead>
<tr>
<th>Action: IT Competence</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action Details:</strong> No changes</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong></td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
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<tr>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

**Status** for IT Competence

- **Current Status:** Completed
- **Resource Allocation(s) Status:**
- **Next Steps/Additional Information:**

### 2: Understand and support user needs

**Mastery of IT tools**

<table>
<thead>
<tr>
<th>Action: User needs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action Details:</strong> ECT172 and ECT372 Projects need to be reviewed.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong> 2013-14 cycle. Project will be given.</td>
</tr>
<tr>
<td><strong>Key/Responsible Personnel:</strong></td>
</tr>
<tr>
<td><strong>Measures:</strong></td>
</tr>
<tr>
<td><strong>Resource Allocations:</strong></td>
</tr>
<tr>
<td><strong>Priority:</strong></td>
</tr>
</tbody>
</table>

**Status** for User needs

- **Current Status:** Completed
- **Resource Allocation(s) Status:**
- **Next Steps/Additional Information:**

### 3: Transfer technologies & solutions to the user environment

**Mastery of IT tools**

<table>
<thead>
<tr>
<th>Action: Transfer technologies</th>
</tr>
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<tbody>
<tr>
<td><strong>Action Details:</strong> ECT172 and ECT372 Projects need to be reviewed.</td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong> 2013-14 cycle.</td>
</tr>
</tbody>
</table>
Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Transfer technologies

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:

4: Utilize practices and standards

Action: Standards

Action Details: Met. No action.

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Standards

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:

5: Understand project planning tools

Action: Project tools

Action Details: No changes

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:
### Status for Project tools

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

#### 6: Understand fundamental technologies

Understand the fundamentals of the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies (Understand fundamental HCI, information management, programming, networking and web technologies)

**Action:** Fundamental Technologies

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

---

#### Status for Fundamental Technologies

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**

---

#### 7: Understand information security

Understand the fundamentals of information assurance and security (Understand information security)

**Action:** Security

**Action Details:** No changes

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

---

#### Status for Security

**Current Status:** Completed

**Resource Allocation(s) Status:**

**Next Steps/Additional Information:**
8: Understand system administration and maintenance

**Action:** System Administration

- **Action Details:** No changes
- **Implementation Plan (timeline):**
- **Key/Responsible Personnel:**
- **Measures:**
- **Resource Allocations:**
- **Priority:**

**Status** for System Administration

- **Current Status:** Completed
- **Resource Allocation(s) Status:**
- **Next Steps/Additional Information:**

9: Understand system integration and architecture

**Action:** Understand Integration

- **Action Details:** No changes
- **Implementation Plan (timeline):**
- **Key/Responsible Personnel:**
- **Measures:**
- **Resource Allocations:**
- **Priority:**

**Status** for Understand Integration

- **Current Status:** Completed
- **Resource Allocation(s) Status:**
- **Next Steps/Additional Information:**

**Status Summary**

Completed.

**Summary of Next Steps**

Assess all outcomes based on the assessment plan. Too many outcomes are planned to assess each year. Compare with ABET outcomes and make a plan that is realistic.
2013-2014 Assessment Cycle

Assessment Plan

Outcomes and Measures

BS in Information Technology Outcome Set

1: Apply general knowledge to IT issues
An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

1: Use mathematics
Use mathematics to solve IT issues and problems (Use mathematics)

- **Measure:** Math
  - **Direct - Exam**
- **Details/Description:** Net+ exam
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
- **Responsible Individual(s):** IT Program Team

2: Modeling for analysis
Model IT systems for design and analysis (Modeling for analysis)

- **Measure:** Modeling
  - **Direct - Exam**
- **Details/Description:** Net+
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
- **Responsible Individual(s):** IT Program Team

3: System design
Design IT systems (System design)

- **Measure:** Design
  - **Direct - Exam**
- **Details/Description:** Net+ exam
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
- **Responsible Individual(s):** IT Program Team

2: Analyze and solve problems
An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

1: Problem definition
Use analytical tools and experiences to understand and define problems (Problem definition)

- **Measure:** Problem analysis
  - **Direct - Exam**
- **Details/Description:** A+ exam
- **Target:**
- **Implementation Plan (timeline):** Spring Sr year
**2: Problem solution development**
Use accepted problem solving techniques and tools to develop solutions (Problem solution development)

**Measure:** Problem solution
Direct - Student Artifact

**Details/Description:** Assessed in ECT 301
**Target:**
**Implementation Plan (timeline):** Spring Sr year
**Responsible Individual(s):** IT Program Team

**3: Apply solutions and monitor progress**
Select appropriate solutions, implement and monitor progress (Apply solutions and monitor progress)

**Measure:** Apply solutions
Direct - Student Artifact

**Details/Description:** Assessed in ECT 301
**Target:**
**Implementation Plan (timeline):** Spring Sr year
**Responsible Individual(s):** IT Program Team

**3: Design and implement computer-based solutions**
An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs (Design and implement computer-based solutions)

**1: Computer-based system design**
Develop system designs (Computer-based system design)

**Measure:** System design
Direct - Student Artifact

**Details/Description:** Accessed in ECT 301
**Target:**
**Implementation Plan (timeline):** Spring Sr year
**Responsible Individual(s):** IT Program Team

**2: Apply designs and test**
Apply designs and use experiments to evaluate performance (Apply designs and test)

**Measure:** Apply designs
Direct - Exam

**Details/Description:** Accessed in ECT 301
**Target:**
**Implementation Plan (timeline):** Spring Sr year
**Responsible Individual(s):** IT Program Team

**3: Install systems and monitor performance**
Commissioning designs and monitor performance (Install systems and monitor performance)

**Measure:** Install & monitor
Direct - Student Artifact

**Details/Description:** Assessed in ECT 172
**Target:**
**Implementation Plan (timeline):** Fall Semester
**Responsible Individual(s):** IT Program Team
## Assessment Findings

### Finding per Measure

#### BS in Information Technology Outcome Set

1. **Apply general knowledge to IT issues**  
   An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

<table>
<thead>
<tr>
<th>Measure: Math</th>
<th>Details/Description: Net+ exam</th>
<th>Target:</th>
<th>Implementation Plan (timeline): Spring Sr year</th>
<th>Responsible Individual(s): IT Program Team</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Findings</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Summary of Findings:</strong> 86% on math questions</td>
<td><strong>Results:</strong> Target Achievement: Met</td>
<td><strong>Recommendations:</strong></td>
<td><strong>Reflections/Notes:</strong></td>
<td></td>
</tr>
</tbody>
</table>

2. **Modeling for analysis**  
Model IT systems for design and analysis (Modeling for analysis)

<table>
<thead>
<tr>
<th>Measure: Modeling</th>
<th>Details/Description: Net+</th>
<th>Target:</th>
<th>Implementation Plan (timeline): Spring Sr year</th>
<th>Responsible Individual(s): IT Program Team</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Findings</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Summary of Findings:</strong> 73% average on modeling</td>
<td><strong>Results:</strong> Target Achievement: Not Met</td>
<td><strong>Recommendations:</strong></td>
<td><strong>Reflections/Notes:</strong></td>
<td></td>
</tr>
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</table>

3. **System design**  
Design IT systems (System design)

<table>
<thead>
<tr>
<th>Measure: Design</th>
<th>Details/Description: Net+ exam</th>
<th>Target:</th>
<th>Implementation Plan (timeline): Spring Sr year</th>
</tr>
</thead>
</table>
**Responsible Individual(s):** IT Program Team

**Findings for Design**

**Summary of Findings:** 77% average on design  
**Results:** Target Achievement: Not Met  
**Recommendations:**  
**Reflections/Notes:**

---

**2: Analyze and solve problems**
An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

1: Problem definition  
**Measure:** Problem analysis  
Direct - Exam

**Details/Description:** A+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** IT Program Team

**Findings for Problem analysis**

**Summary of Findings:** 86% average on questions  
**Results:** Target Achievement: Met  
**Recommendations:**  
**Reflections/Notes:**

---

2: Problem solution development  
**Measure:** Problem solution  
Direct - Student Artifact

**Details/Description:** Assessed in ECT 301  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** IT Program Team

**Findings for Problem solution**

**Summary of Findings:** 85% average on questions  
**Results:** Target Achievement: Met  
**Recommendations:**  
**Reflections/Notes:**
### 3: Apply solutions and monitor progress

**Measure:** Apply solutions  
Direct - Student Artifact

<table>
<thead>
<tr>
<th>Details/Description</th>
<th>Assessed in ECT301</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Target:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong> Spring Sr year</td>
<td></td>
</tr>
<tr>
<td><strong>Responsible Individual(s):</strong> IT Program Team</td>
<td></td>
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</tbody>
</table>

**Findings for Apply solutions**

<table>
<thead>
<tr>
<th><strong>Summary of Findings:</strong></th>
<th>96% average</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Results:</strong></td>
<td>Target Achievement: Met</td>
</tr>
<tr>
<td><strong>Recommendations:</strong></td>
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<tr>
<td><strong>Reflections/Notes:</strong></td>
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</table>

### 3: Design and implement computer-based solutions

An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs (Design and implement computer-based solutions)

<table>
<thead>
<tr>
<th><strong>1: Computer-based system design</strong></th>
</tr>
</thead>
</table>
| **Measure:** System design  
Direct - Student Artifact |

<table>
<thead>
<tr>
<th>Details/Description</th>
<th>Accessed in ECT 301</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Target:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong> Spring Sr year</td>
<td></td>
</tr>
<tr>
<td><strong>Responsible Individual(s):</strong> IT Program Team</td>
<td></td>
</tr>
</tbody>
</table>

**Findings for System design**

<table>
<thead>
<tr>
<th><strong>Summary of Findings:</strong></th>
<th>96% average</th>
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</thead>
<tbody>
<tr>
<td><strong>Results:</strong></td>
<td>Target Achievement: Met</td>
</tr>
<tr>
<td><strong>Recommendations:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Reflections/Notes:</strong></td>
<td></td>
</tr>
</tbody>
</table>

### 2: Apply designs and test

Apply designs and use experiments to evaluate performance (Apply designs and test)

| **Measure:** Apply designs  
Direct - Exam |
|--------------|-------------|

<table>
<thead>
<tr>
<th>Details/Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Target:</strong></td>
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<tr>
<td><strong>Implementation Plan (timeline):</strong> Spring Sr year</td>
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<tr>
<td><strong>Responsible Individual(s):</strong> IT Program Team</td>
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</tbody>
</table>

**Findings for Apply designs**

<table>
<thead>
<tr>
<th><strong>Summary of Findings:</strong></th>
<th>98% average</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Results:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Recommendations:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Reflections/Notes:</strong></td>
<td></td>
</tr>
</tbody>
</table>
Results: Target Achievement: Met
Recommendations:
Reflections/Notes:

3: Install systems and monitor performance
Commissioning designs and monitor performance (Install systems and monitor performance)

Measure: Install & monitor
Direct - Student Artifact

Details/Description: Assessed in ECT 172
Target:
Implementation Plan (timeline): Fall Semester
Responsible Individual(s): IT Program Team

Findings for Install & monitor

Summary of Findings: 89% of average
Results: Target Achievement: Met
Recommendations:
Reflections/Notes:

Overall Recommendations
No text specified

Overall Reflection
No text specified

Action Plan

BS in Information Technology Outcome Set

1: Apply general knowledge to IT issues
An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

1: Use mathematics
Use mathematics to solve IT issues and problems (Use mathematics)

Action: Math

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: No action is required.

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:
<table>
<thead>
<tr>
<th>2: Modeling for analysis</th>
<th>Action: Modeling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model IT systems for design and analysis (Modeling for analysis)</td>
<td>This Action is associated with the following Findings: No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td>Action Details: A new database class needs to be added.</td>
<td>Implementation Plan (timeline): Class has been developed and will be offered in 2014-15 cycle.</td>
</tr>
<tr>
<td>Key/Responsible Personnel: Program coordinator</td>
<td>Measures: Project work</td>
</tr>
<tr>
<td>Resource Allocations:</td>
<td>Priority: Medium</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3: System design</th>
<th>Action: System design</th>
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<tr>
<td>Design IT systems (System design)</td>
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<tr>
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</thead>
<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>1: Problem definition</th>
<th>Action: Problem definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use analytical tools and experiences to understand and define problems (Problem definition)</td>
<td>This Action is associated with the following Findings: No supporting Findings have been linked to this Action.</td>
</tr>
<tr>
<td>Action Details: No change</td>
<td>Implementation Plan (timeline):</td>
</tr>
<tr>
<td>Key/Responsible Personnel:</td>
<td>Measures:</td>
</tr>
</tbody>
</table>
2: Problem solution development

Action: Problem Solutions

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: Assessed in ECT 301. Met the target. No action needed.

Implementation Plan (timeline):
Key/Responsible Personnel:
Measures:
Resource Allocations:
Priority:

3: Apply solutions and monitor progress

Action: Apply

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: Met. No action required.

Implementation Plan (timeline):
Key/Responsible Personnel:
Measures:
Resource Allocations:
Priority:

3: Design and implement computer-based solutions

Action: Design

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: Met. No action required.

Implementation Plan (timeline):
Key/Responsible Personnel:
Measures:
Resource Allocations:

1: Computer-based system design

Action: Design

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action Details: Met. No action required.

Implementation Plan (timeline):
Key/Responsible Personnel:
Measures:
Resource Allocations:
2: Apply designs and test
Apply designs and use experiments to evaluate performance (Apply designs and test)

**Action:** Apply design

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** Met. No action required.

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

3: Install systems and monitor performance
Commissioning designs and monitor performance (Install systems and monitor performance)

**Action:** Install & monitor

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action Details:** No action required

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Resource Allocations:**

**Priority:**

**Status Report**

**Action Statuses**

**BS in Information Technology Outcome Set**

1: Apply general knowledge to IT issues
An ability to apply knowledge of computing and mathematics appropriate to the discipline (Apply general knowledge to IT issues)

1: Use mathematics
Use mathematics to solve IT issues and problems (Use mathematics)

**Action:** Math

**Action Details:** No action is required.

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**
2: Modeling for analysis

Action: Modeling

Action Details: A new database class needs to be added.

Implementation Plan (timeline): Class has been developed and will be offered in 2014-15 cycle.

Key/Responsible Personnel: Program coordinator

Measures: Project work

Resource Allocations:

Priority: Medium

Status for Modeling

No Status Added

3: System design

Action: System design

Action Details: A new database class needs to be added.

Implementation Plan (timeline): Class has been developed and will be offered in 2014-15 cycle.

Key/Responsible Personnel: Program coordinator

Measures: Project work

Resource Allocations:

Priority: Medium

Status for System design

Current Status: In Progress

Resource Allocation(s) Status:

Next Steps/Additional Information:
2: Analyze and solve problems
An ability to analyze a problem, and identify and define the computing requirements appropriate to the solution (Analyze and solve problems)

1: Problem definition
Use analytical tools and experiences to understand and define problems (Problem definition)

- **Action:** Problem definition
  - **Action Details:** No change
  - **Implementation Plan (timeline):**
  - **Key/Responsible Personnel:**
  - **Measures:**
  - **Resource Allocations:**
  - **Priority:**

- **Status** for Problem definition
  - *No Status Added*

2: Problem solution development
Use accepted problem solving techniques and tools to develop solutions (Problem solution development)

- **Action:** Problem Solutions
  - **Action Details:** Assessed in ECT 301. Met the target. No action needed.
  - **Implementation Plan (timeline):**
  - **Key/Responsible Personnel:**
  - **Measures:**
  - **Resource Allocations:**
  - **Priority:**

- **Status** for Problem Solutions
  - *No Status Added*

3: Apply solutions and monitor progress
Select appropriate solutions, implement and monitor progress (Apply solutions and monitor progress)

- **Action:** Apply
  - **Action Details:** Met. No action required.
  - **Implementation Plan (timeline):**
  - **Key/Responsible Personnel:**
  - **Measures:**
  - **Resource Allocations:**
  - **Priority:**
### Program Outcomes Assessment
#### BS in Information Technology

<table>
<thead>
<tr>
<th><strong>3: Design and implement computer-based solutions</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>An ability to design, implement and evaluate a computer-based system, process, component or program to meet desired needs (Design and implement computer-based solutions)</td>
</tr>
</tbody>
</table>

#### 1: Computer-based system design

**Action:** Design

- **Action Details:** Met. No action required.
- **Implementation Plan (timeline):**
- **Key/Responsible Personnel:**
- **Measures:**
- **Resource Allocations:**
- **Priority:**

**Status for Design**

- No Status Added

#### 2: Apply designs and test

**Action:** Apply design

- **Action Details:** Met. No action required.
- **Implementation Plan (timeline):**
- **Key/Responsible Personnel:**
- **Measures:**
- **Resource Allocations:**
- **Priority:**

**Status for Apply design**

- No Status Added

#### 3: Install systems and monitor performance

**Action:** Install & monitor

- **Action Details:** No action required
- **Implementation Plan (timeline):**
- **Key/Responsible Personnel:**
- **Measures:**
### Resource Allocations:

#### Priority:

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<tr>
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<th>for Install &amp; monitor</th>
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### Status Summary

*No text specified*

### Summary of Next Steps

*No text specified*
## Assessment Plan

### Outcomes and Measures

### BS in Information Technology Outcome Set

#### 4: Function effectively in the team environment
An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

<table>
<thead>
<tr>
<th>1: Effective team member</th>
</tr>
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<tbody>
<tr>
<td>Functions as an effective team member (Effective team member)</td>
</tr>
<tr>
<td><strong>Measure:</strong> Teaming</td>
</tr>
<tr>
<td>Direct - Other</td>
</tr>
<tr>
<td><strong>Details/Description:</strong> Assessed in ECT301 project</td>
</tr>
<tr>
<td><strong>Target:</strong></td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong> Spring semester</td>
</tr>
<tr>
<td><strong>Responsible Individual(s):</strong> IT Program Team &amp; advisory board</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2: Understands the purpose of teams</th>
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</thead>
<tbody>
<tr>
<td>Assumes responsibility as a team member, respects chain of command and understands why teams exist (Understands the purpose of teams)</td>
</tr>
<tr>
<td><strong>Measure:</strong> Purpose of teams</td>
</tr>
<tr>
<td>Direct - Other</td>
</tr>
<tr>
<td><strong>Details/Description:</strong> Assessed in ECT301 projects</td>
</tr>
<tr>
<td><strong>Target:</strong></td>
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<th>3: Works and communicates well in the team setting</th>
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<tbody>
<tr>
<td>Recognizes the need for good interpersonal skills and practices quality in communication in the team setting (Works and communicates well in the team setting)</td>
</tr>
<tr>
<td><strong>Measure:</strong> Communicates in team</td>
</tr>
<tr>
<td>Direct - Other</td>
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</table>

#### 5: Understand professional and ethical responsibilities
An understanding of professional, ethical, legal, security and social issues and responsibilities (Understand professional and ethical responsibilities)

<table>
<thead>
<tr>
<th>1: Demonstrates professionalism</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understands the role of the professional and aspires to become a respected member of an organization (Demonstrates professionalism)</td>
</tr>
<tr>
<td><strong>Measure:</strong> Professionalism</td>
</tr>
<tr>
<td>Indirect - Survey</td>
</tr>
<tr>
<td><strong>Details/Description:</strong> Assessed in ECT372 by peers and instructors</td>
</tr>
<tr>
<td><strong>Target:</strong></td>
</tr>
<tr>
<td><strong>Implementation Plan (timeline):</strong> Spring semester</td>
</tr>
<tr>
<td>2: Understands and exhibits ethics</td>
</tr>
<tr>
<td>-----------------------------------</td>
</tr>
<tr>
<td><strong>Measure:</strong> Ethics</td>
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<td>Direct - Exam</td>
</tr>
<tr>
<td>Details/Description: Security+ exam</td>
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<tr>
<td>Target:</td>
</tr>
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<td>Implementation Plan (timeline): Spring Sr year</td>
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<tbody>
<tr>
<td><strong>Measure:</strong> IT Professional</td>
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<td>Direct - Exam</td>
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<tr>
<td>Details/Description: A+ exam</td>
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<td>Target:</td>
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<table>
<thead>
<tr>
<th>6: Effective communication</th>
</tr>
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<tbody>
<tr>
<td>An ability to communicate effectively with a range of audiences (Effective communication)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1: Exhibits good verbal communications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measure:</strong> Verbal Communications</td>
</tr>
<tr>
<td>Direct - Other</td>
</tr>
<tr>
<td>Details/Description: Have students and instructor assess project presentations in ECT372.</td>
</tr>
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<td>Target:</td>
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<table>
<thead>
<tr>
<th>2: Possesses good written communications skills</th>
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<tbody>
<tr>
<td><strong>Measure:</strong> Written Communication</td>
</tr>
<tr>
<td>Direct - Student Artifact</td>
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<tr>
<td>Details/Description: Assess student project report in ECT372.</td>
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<td>Target:</td>
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<table>
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<tr>
<th>3: Understands the need for formality and respect</th>
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<tbody>
<tr>
<td><strong>Measure:</strong> Formality</td>
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<tr>
<td>Indirect - Survey</td>
</tr>
<tr>
<td>Details/Description: Survey by peers and instructors during project presentations ECT372</td>
</tr>
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## Assessment Findings

### Finding per Measure

#### BS in Information Technology Outcome Set

### 4: Function effectively in the team environment
An ability to function effectively on teams to accomplish a common goal (Function effectively in the team environment)

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<td>Findings for Purpose of teams</td>
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</tbody>
</table>

---

**Page 118**
### 1: Demonstrates professionalism

**Measure:** Professionalism  
Indirect - Survey

**Details/Description:** Assessed in ECT372 by peers and instructors  
**Target:**  
**Implementation Plan (timeline):** Spring semester  
**Responsible Individual(s):** IT Program Team

**Findings for Professionalism**

No Findings Added

### 2: Understands and exhibits ethics

**Measure:** Ethics  
Direct - Exam

**Details/Description:** Security+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** IT Program Team

**Findings for Ethics**

No Findings Added

### 3: Understands the role of the IT professional

**Measure:** IT Professional  
Direct - Exam

**Details/Description:** A+ exam  
**Target:**  
**Implementation Plan (timeline):** Spring Sr year  
**Responsible Individual(s):** IT Program Team

**Findings for IT Professional**

No Findings Added

### 6: Effective communication

**Measure:** Verbal Communications  
Direct - Other

**Details/Description:** Have students and instructor assess project presentations in ECT372.  
**Target:**  
**Implementation Plan (timeline):** Every spring semester.  
**Responsible Individual(s):**
2: Possesses good written communications skills

**Measure:** Written Communication
Direct - Student Artifact

**Details/Description:** Assess student project report in ECT372.

**Target:**

**Implementation Plan (timeline):** Every spring semester.

**Responsible Individual(s):**

**Findings for Written Communication**

No Findings Added

3: Understands the need for formality and respect

**Measure:** Formality
Indirect - Survey

**Details/Description:** Survey by peers and instructors during project presentations ECT372

**Target:**

**Implementation Plan (timeline):** Every spring semester

**Responsible Individual(s):**

**Findings for Formality**

No Findings Added

Overall Recommendations

No text specified

Overall Reflection

No text specified

Action Plan

Status Report
2015-2016 Assessment Cycle

- Assessment Plan
- Assessment Findings
- Action Plan
- Status Report
2016-2017 Assessment Cycle

Assessment Plan

Assessment Findings
2017-2018 Assessment Cycle

Assessment Plan

Assessment Findings
2018-2019 Assessment Cycle

Assessment Plan

Assessment Findings
2019-2020 Assessment Cycle

 Assessments Plan

 Assessments Findings
Appendix

A. BS in Information Technology Curriculum map (Curriculum Map)
B. Information Technology (Adobe Acrobat Document)
College: CAS  
Department: MACS  
Major: Computer Science  
Degree: AB / BS

If **Program Elimination** is pending you need not complete the form.

<table>
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<th>Type of Answer</th>
<th>From Available Info</th>
<th>Answer</th>
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<td>Organization</td>
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<td>File</td>
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<tr>
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<td>File</td>
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<tr>
<td>Program Actively Using Student Learning Outcomes</td>
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<tr>
<td>Does Assessment Plan Exist?</td>
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<tr>
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<td>November 11, 2005</td>
<td></td>
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<td>Data Recently/ Actively Collected?</td>
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<td>Answer: Y</td>
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<td>Evidence</td>
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<td>Data Analyzed?</td>
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<td>Analysis Discussed?</td>
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<tr>
<td>Evidence</td>
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<td>Any Changes to Pgm Curriculum Since 2000</td>
<td>E. Robbins Fall 07 Survey</td>
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<td></td>
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<tr>
<td>Evidence</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assessment Plan Adjustments Discussed &amp; CBE</td>
<td>Has the Assessment Plan been modified since 2001</td>
<td>Has the adjusted plan been implemented</td>
<td>Evidence</td>
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<td>Adjustments Implemented &amp; CBE</td>
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Completed by: _Bhaskara Rao Kopparty, Chair, MACS_
College: CAS  Department: MACS  
Major: Information Technology  Degree: BS

If **Program Elimination** is pending you need not complete the form.)

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<td>File (or source of information)</td>
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</tr>
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By March 1

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By May 15

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Completed by: ______________________
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**By March 1**

| Data Actively Collected & CBE                                            | Data Ever Collected? | E. Robbins Fall 07 Survey Answer: N     |        |
|                                                                        | Data Recently/ Actively Collected? | E. Robbins Fall 07 Survey Answer: N |        |
|                                                                        | Evidence               |                                            |        |
| Data Systematically Analyzed & CBE                                       | Data Analyzed?        | E. Robbins Fall 07 Survey Answer: N     |        |
|                                                                        | Evidence               |                                            |        |
| Analysis Discussed in Depts & CBE                                       | Analysis Discussed?   | E. Robbins Fall 07 Survey Answer: N     |        |
|                                                                        | Evidence               |                                            |        |
| Analysis Impacts Curriculum for Pgm & CBE                               | Any Changes to Pgm Curriculum Since 2000 | E. Robbins Fall 07 Survey Answer: N |        |
|                                                                        | Were changes as a result of SLO, Data, Analysis? |        |        |
|                                                                        | Evidence               |                                            |        |
| Assessment Plan Adjustments Discussed & CBE                             | Has the Assessment Plan been modified since 2001 |        |        |
|                                                                        | Were changes as a result of SLO, Data, Analysis? |        |        |
|                                                                        | Evidence               |                                            |        |

**By May 15**

| Adjustments Implemented & CBE                                          | Has the adjusted plan been implemented |        |        |
|                                                                        | Evidence               |                                            |        |

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Completed by: _________________________
College: CAS  Department: MACS  Major: Mathematics Teaching  Degree: MA / MS

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