Program Outcomes Assessment

MS in Electronics

Created on: 03/25/2010 03:10:00 PM CST
Last Modified: 12/10/2014 07:39:08 AM CST

Table of Contents

General Information (Program Outcomes Assessment)

Standing Requirements

Mission Statement

The Mission of the MS ECT program is to provide students with an undergraduate degree related to Electronics, Computer, Information, or Automation & Controls technology, and who desire to advance their career potential, with an individualized rigorous program of study to enhance previously acquired skills in the field, or to broaden their range of skills in the field.

Outcomes Library

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

Outcome	Mapping
1. proficiency to perform and apply research The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.	No Mapping
2. ability to develop scholarship The student will effectively demonstrate the ability to develop scholarship in the ECT field.	No Mapping
3. ability to work independently The student will effectively demonstrate the ability to work independently.	No Mapping
4. ability to orally present the results of their inquiry The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.	No Mapping
5. acquire, or improve existing, technical knowledge The student will acquire, or improve existing, technical knowledge in the field of Electronics, Computer, or Automation & Industrial Controls Technology.	No Mapping
6. apply theoretical knowledge to practical applications The student will effectively demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.	No Mapping
7. evaluation and integration of technical knowledge The student will effectively demonstrate proficiency at the evaluation and integration of technical knowledge and theory.	No Mapping

Curriculum Map

Active Curriculum Maps

MS in Electronics & Computer Technology Program (See appendix)
Alignment Set: MS in Electronics & Computer Tech Outcome Set

Created: 12/15/2011 2:39:33 pm CST
Last Modified: 12/15/2011 2:54:39 pm CST

Communication of Outcomes

Directives to the Outcomes for the MS in Electronics & Computer Technology Program will be included in the ISU Catalog, posted to the COT Website, and included in the ECET Department area of the ISU Website. Complete data and analysis of Outcomes will be held in the Department files. Additionally, Objectives and Outcomes, analysis, and operationalized results will be included in the Assessment portion of the Accreditation documentation.

Archive (This area is to be used for archiving pre-TaskStream assessment data and for current documents.)

Archive

2011-2012 Assessment Cycle

Assessment Plan

Outcomes and Measures

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

5. acquire, or improve existing, technical knowledge

The student will acquire, or improve existing, technical knowledge in the field of Electronics, Computer, or Automation & Industrial Controls Technology.

Measure: examination scores
Direct - Exam

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Spring 2012

Responsible Individual(s): Program Coordinator

Measure: Laboratory Assignments
Direct - Student Artifact

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Spring 2012

Responsible Individual(s): Program Coordinator

6. apply theoretical knowledge to practical applications

The student will effectively demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.

Measure: Laboratory Assignments
Direct - Student Artifact

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Spring 2012

Responsible Individual(s): Program Coordinator

Measure: Student Projects
Direct - Student Artifact

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Spring 2012

Responsible Individual(s): Program Coordinator

7. evaluation and integration of technical knowledge

The student will effectively demonstrate proficiency at the evaluation and integration of technical knowledge and theory.

Measure: Class Project
Direct - Student Artifact

Details/Description: ECT 680

Target:

Implementation Plan (timeline): Spring 2012

Responsible Individual(s): Program Coordinator

Assessment Findings

Finding per Measure

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

5. acquire, or improve existing, technical knowledge

The student will acquire, or improve existing, technical knowledge in the field of Electronics, Computer, or Automation & Industrial Controls Technology.

Measure: examination scores
Direct - Exam

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Spring 2012

Responsible Individual(s): Program Coordinator

Findings for examination scores

Summary of Findings: The scores showed an average competence of 82% across all knowledge areas. The lowest average scores were observed in robotics.

Results: Target Achievement: Met

Recommendations : An evaluation of the robotics automation course subject matter will be performed.

Reflections/Notes :

These Findings are associated with the following Actions:

Examination scores
(Action Plan; 2011-2012 Assessment Cycle)

Measure: Laboratory Assignments
Direct - Student Artifact

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Spring 2012

Responsible Individual(s): Program Coordinator

Findings for Laboratory Assignments

Summary of Findings: The only laboratory content course offered during the cycle was ECT663 Theory of Electronic Controls. All students completed all lab assignments and the average score was 92%.

Results: Target Achievement: Met

Recommendations : None based on this cycle.

Reflections/Notes :

These Findings are associated with the following Actions:

Examination scores
(Action Plan; 2011-2012 Assessment Cycle)

6. apply theoretical knowledge to practical applications

The student will effectively demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.

Measure: Laboratory Assignments
Direct - Student Artifact

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Spring 2012

Responsible Individual(s): Program Coordinator

Findings for Laboratory Assignments

Summary of Findings: The only laboratory content course offered during the cycle was ECT663 Theory of Electronic Controls. All students completed all lab assignments and the average score was 92%.

Results: Target Achievement: Met

Recommendations : None for this cycle.

Reflections/Notes :

These Findings are associated with the following Actions:

Student Projects
(Action Plan; 2011-2012 Assessment Cycle)

Measure: Student Projects
Direct - Student Artifact

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Spring 2012

Responsible Individual(s): Program Coordinator

Findings for Student Projects

Summary of Findings: MS degree projects in 3 credit and 6 credit courses. There was a 80% completion rate on the projects during this cycle. The average score was above 90%.

Results: Target Achievement: Not Met

Recommendations : The 20% non-completion of projects during a 2 semester period is being addressed through a tightening of the policy on incomplete grade approvals.

Reflections/Notes :

These Findings are associated with the following Actions:

Student Projects
(Action Plan; 2011-2012 Assessment Cycle)

7. evaluation and integration of technical knowledge

The student will effectively demonstrate proficiency at the evaluation and integration of technical knowledge and theory.

Measure: Class Project
Direct - Student Artifact

Details/Description: ECT 680

Target:

Implementation Plan (timeline): Spring 2012

Responsible Individual(s): Program Coordinator

Findings for Class Project

Summary of Findings: All ECT680 projects were completed during the cycle. The average score was above 90%.

Results: Target Achievement: Met

Recommendations : None.

Reflections/Notes :

Overall Recommendations

No text specified

Overall Reflection

No text specified

Action Plan

Actions

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Action: Research

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

Action Details: The MSECT research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

2. ability to develop scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Action: Scholarship

This Action is associated with the following Findings

No supporting Findings have been linked to this Action.

Action Details: The research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

3. ability to work independently

The student will effectively demonstrate the ability to work independently.

Action: Independant work

This Action is associated with the following Findings

No supporting Findings have been linked to this Action.

Action Details: The project courses has been revised to better support the student's efforts and reduce the cycle time of the projects; to two semesters maximum.

Implementation Plan (timeline): 13-14 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

4. ability to orally present the results of their inquiry

The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.

Action: Oral presentation

This Action is associated with the following Findings

No supporting Findings have been linked to this Action.

Action Details: The research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

5. acquire, or improve existing, technical knowledge

The student will acquire, or improve existing, technical knowledge in the field of Electronics, Computer, or Automation & Industrial Controls Technology.

Action: Examination scores

This Action is associated with the following Findings

Findings for examination scores
(Assessment Plan and Assessment Findings; 2011-2012 Assessment Cycle)

Summary of Findings: The scores showed an average competence of 82% across all knowledge areas. The lowest average scores were observed in robotics.

Findings for Laboratory Assignments
(Assessment Plan and Assessment Findings; 2011-2012 Assessment Cycle)

Summary of Findings: The only laboratory content course offered during the cycle was ECT663 Theory of Electronic Controls. All students completed all lab assignments and the average score was 92%.

Action Details: The course content for the Theory of Electronics Control has been reviewed and revised.

Implementation Plan (timeline): 12-13 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

6. apply theoretical knowledge to practical applications

The student will effectively demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.

Action: Student Projects

This Action is associated with the following Findings

Findings for Laboratory Assignments
(Assessment Plan and Assessment Findings; 2011-2012 Assessment Cycle)

Summary of Findings: The only laboratory content course offered during the cycle was ECT663 Theory of Electronic Controls. All students completed all lab assignments and the average score was 92%.

Findings for Student Projects
(Assessment Plan and Assessment Findings; 2011-2012 Assessment Cycle)

Summary of Findings: MS degree projects in 3 credit and 6 credit courses. There was a 80% completion rate on the projects during this cycle. The average score was above 90%.

Action Details: The lack on completion of student project is being address by making attendance in the MS project courses mandatory and requiring an approved project proposal be submitted before an Incomplete grade will be posted for the project course.

Implementation Plan (timeline): 12-13 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

7. evaluation and integration of technical knowledge

The student will effectively demonstrate proficiency at the evaluation and integration of technical knowledge and theory.

Action: Integration

This Action is associated with the following Findings

No supporting Findings have been linked to this Action.

Action Details: The ECT680 Integration course will be revised to better match with the research and project courses.

Implementation Plan (timeline): 12-13 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status Report

Action Statuses

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Action: Research

Action Details: The MSECT research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Research

Current Status: In Progress

Resource Allocation(s) Status:

Next Steps/Additional Information:

2. ability to develop scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Action: Scholarship

Action Details: The research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Scholarship

Current Status: In Progress

Resource Allocation(s) Status:

Next Steps/Additional Information:

3. ability to work independently

The student will effectively demonstrate the ability to work independently.

Action: Independant work

Action Details: The project courses has been revised to better support the student's efforts and reduce the cycle time of the projects; to two semesters maximum.

Implementation Plan (timeline): 13-14 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Independant work

Current Status: In Progress

Resource Allocation(s) Status:

Next Steps/Additional Information:

4. ability to orally present the results of their inquiry

The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.

Action: Oral presentation

Action Details: The research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Oral presentation

Current Status: In Progress

Resource Allocation(s) Status:

Next Steps/Additional Information:

5. acquire, or improve existing, technical knowledge

The student will acquire, or improve existing, technical knowledge in the field of Electronics, Computer, or Automation & Industrial Controls Technology.

Action: Examination scores

Action Details: The course content for the Theory of Electronics Control has been reviewed and revised.

Implementation Plan (timeline): 12-13 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Examination scores

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:

6. apply theoretical knowledge to practical applications

The student will effectively demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.

Action: Student Projects

Action Details: The lack on completion of student project is being address by making attendance in the MS project courses mandatory and requiring an approved project proposal be submitted before an Incomplete grade will be posted for the project course.

Implementation Plan (timeline): 12-13 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Student Projects

Current Status: Completed

Resource Allocation(s) Status:

Next Steps/Additional Information:

7. evaluation and integration of technical knowledge

The student will effectively demonstrate proficiency at the evaluation and integration of technical knowledge and theory.

Action: Integration

Action Details: The ECT680 Integration course will be revised to better match with the research and project courses.

Implementation Plan (timeline): 12-13 cycle

Key/Responsible Personnel:

Measures:

Resource Allocations:

Priority:

Status for Integration

Current Status: In Progress

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

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

2. ability to develop scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

3. ability to work independently

The student will effectively demonstrate the ability to work independently.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

4. ability to orally present the results of their inquiry

The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual
Responsible Individual(s): Program Coordinator

Assessment Findings

Finding per Measure

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699
Target: 85%
Implementation Plan (timeline): Annual
Responsible Individual(s): Program Coordinator

Findings for Rubric

Summary of Findings: The overall quality of the work is short of the 85% target.
Results: Target Achievement: Not Met
Recommendations : Rework of ECT698 Research course.
Reflections/Notes :

2. ability to develop scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699
Target: 85%
Implementation Plan (timeline): Annual
Responsible Individual(s): Program Coordinator

Findings for Rubric

Summary of Findings: Below target.
Results: Target Achievement: Not Met
Recommendations : This will also be addressed in the rework of the ECT698 course content.
Reflections/Notes :

3. ability to work independently

The student will effectively demonstrate the ability to work independently.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

Findings for Rubric

Summary of Findings: This appears to be case in essentially all work - near 100%

Results: Target Achievement: Met

Recommendations :

Reflections/Notes :

4. ability to orally present the results of their inquiry

The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

Findings for Rubric

Summary of Findings: Quality was at the target - 85%

Results: Target Achievement: Met

Recommendations :

Reflections/Notes :

Overall Recommendations

The course content of ECT698 Research course will be reworked to improve quality of performance.

Overall Reflection

None.

Action Plan

Actions

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Action: Research

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

Action Details: The MSECT research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 and 14-15 cycles

Key/Responsible Personnel: MSECT faculty

Measures:

Resource Allocations:

Priority: Medium

2. ability to develop scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Action: Scholarship

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

Action Details: The research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 & 14-15 cycles

Key/Responsible Personnel: MSECT faculty

Measures:

Resource Allocations:

Priority: Medium

3. ability to work independently

The student will effectively demonstrate the ability to work independently.

No actions specified

4. ability to orally present the results of their inquiry

The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.

No actions specified

5. acquire, or improve existing, technical knowledge

The student will acquire, or improve existing, technical knowledge in the field of

No actions specified

Electronics, Computer, or Automation & Industrial Controls Technology.	
6. apply theoretical knowledge to practical applications The student will effectively demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.	*No actions specified*
7. evaluation and integration of technical knowledge The student will effectively demonstrate proficiency at the evaluation and integration of technical knowledge and theory.	*No actions specified*

Status Report

Action Statuses

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Action: Research

Action Details: The MSECT research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 and 14-15 cycles

Key/Responsible Personnel: MSECT faculty

Measures:

Resource Allocations:

Priority: Medium

Status for Research

Current Status: In Progress

Resource Allocation(s) Status: Work is on-going to bolster the subject matter content of ECT698.

Next Steps/Additional Information: Continues thru 13-14 and 14-15 cycle

2. ability to develop scholarship

Action: Scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Action Details: The research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 & 14-15 cycles

Key/Responsible Personnel: MSECT faculty

Measures:

Resource Allocations:

Priority: Medium

Status for Scholarship

Current Status: In Progress

Resource Allocation(s) Status: Work continues on the content re-work of ECT698

Next Steps/Additional Information: Continues 13-14 and 14-15 cycles

3. ability to work independently

The student will effectively demonstrate the ability to work independently.

No actions specified

4. ability to orally present the results of their inquiry

The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.

No actions specified

5. acquire, or improve existing, technical knowledge

The student will acquire, or improve existing, technical knowledge in the field of Electronics, Computer, or Automation & Industrial Controls Technology.

No actions specified

6. apply theoretical knowledge to practical applications

The student will effectively demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.

No actions specified

7. evaluation and integration of technical knowledge

The student will effectively demonstrate proficiency at the evaluation and

No actions specified

integration of technical knowledge and theory.

Status Summary

No text specified

Summary of Next Steps

As stated, work continues on the ECT698 Research course

2013-2014 Assessment Cycle

Assessment Plan

Outcomes and Measures

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

2. ability to develop scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

3. ability to work independently

The student will effectively demonstrate the ability to work independently.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

4. ability to orally present the results of their inquiry

The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual
Responsible Individual(s): Program Coordinator

Assessment Findings

Finding per Measure

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699
Target: 85%
Implementation Plan (timeline): Annual
Responsible Individual(s): Program Coordinator

Findings for Rubric

Summary of Findings: The overall quality of the research work remains less than the target of 85% scores overall on research paper submissions.
Results: Target Achievement: Not Met
Recommendations : Continue work or revising ECT698 as planned.
Reflections/Notes :

2. ability to develop scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699
Target: 85%
Implementation Plan (timeline): Annual
Responsible Individual(s): Program Coordinator

Findings for Rubric

Summary of Findings: This is near target but more work is needed.
Results: Target Achievement: Not Met
Recommendations :
Reflections/Notes :

3. ability to work independently

The student will effectively demonstrate the ability to work independently.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

Findings for Rubric

Summary of Findings: Satisfied

Results: Target Achievement: Met

Recommendations :

Reflections/Notes :

4. ability to orally present the results of their inquiry

The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

Findings for Rubric

Summary of Findings: Oral presentations are on average jsut at the target.

Results: Target Achievement: Met

Recommendations :

Reflections/Notes :

Overall Recommendations

Work continues on improving the subject matter in the ECT698 course which included more guidance on how to accomplish research, document and present it effectively.

Overall Reflection

Some progress but more to do in terms of improving scholarship.

Action Plan

Actions

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Action: Research

This Action is associated with the following Findings

No supporting Findings have been linked to this Action.

Action Details: The MSECT research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 and continuing to the 14-15 cycle

Key/Responsible Personnel: MSECT faculty

Measures:

Resource Allocations:

Priority: Medium

2. ability to develop scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Action: Scholarship

This Action is associated with the following Findings

No supporting Findings have been linked to this Action.

Action Details: The research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 & continuing to the 14-15 cycle

Key/Responsible Personnel: MSECT faculty

Measures:

Resource Allocations:

Priority: Medium

3. ability to work independently

The student will effectively demonstrate the ability to work independently.

No actions specified

4. ability to orally present the results of their inquiry

The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.

No actions specified

5. acquire, or improve existing, technical knowledge

No actions specified

The student will acquire, or improve existing, technical knowledge in the field of Electronics, Computer, or Automation & Industrial Controls Technology.	
6. apply theoretical knowledge to practical applications The student will effectively demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.	*No actions specified*
7. evaluation and integration of technical knowledge The student will effectively demonstrate proficiency at the evaluation and integration of technical knowledge and theory.	*No actions specified*

Status Report

Action Statuses

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Action: Research

Action Details: The MSECT research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 and continuing to the 14-15 cycle

Key/Responsible Personnel: MSECT faculty

Measures:

Resource Allocations:

Priority: Medium

Status for Research

No Status Added

2. ability to develop scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Action: Scholarship

Action Details: The research course is being reviewed and will be updated.

Implementation Plan (timeline): 13-14 & continuing to the 14-15 cycle

Key/Responsible Personnel: MSECT faculty

Measures:

Resource Allocations:

Priority: Medium

Status for Scholarship

No Status Added

3. ability to work independently The student will effectively demonstrate the ability to work independently.	*No actions specified*
4. ability to orally present the results of their inquiry The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.	*No actions specified*
5. acquire, or improve existing, technical knowledge The student will acquire, or improve existing, technical knowledge in the field of Electronics, Computer, or Automation & Industrial Controls Technology.	*No actions specified*
6. apply theoretical knowledge to practical applications The student will effectively demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.	*No actions specified*
7. evaluation and integration of technical knowledge The student will effectively demonstrate proficiency at the evaluation and integration of technical knowledge and theory.	*No actions specified*

Status Summary

No text specified

Summary of Next Steps

No text specified

2014-2015 Assessment Cycle

Assessment Plan

Outcomes and Measures

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

2. ability to develop scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

3. ability to work independently

The student will effectively demonstrate the ability to work independently.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

4. ability to orally present the results of their inquiry

The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual
Responsible Individual(s): Program Coordinator

Assessment Findings

Finding per Measure

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

1. proficiency to perform and apply research

The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699
Target: 85%
Implementation Plan (timeline): Annual
Responsible Individual(s): Program Coordinator

Findings for Rubric

No Findings Added

2. ability to develop scholarship

The student will effectively demonstrate the ability to develop scholarship in the ECT field.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699
Target: 85%
Implementation Plan (timeline): Annual
Responsible Individual(s): Program Coordinator

Findings for Rubric

No Findings Added

3. ability to work independently

The student will effectively demonstrate the ability to work independently.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699
Target: 85%
Implementation Plan (timeline): Annual
Responsible Individual(s): Program Coordinator

Findings for Rubric

No Findings Added

4. ability to orally present the results of their inquiry

The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.

Measure: Rubric
Direct - Student Artifact

Details/Description: Evaluation of major project document, or thesis.

ECT 679; and ECT 697, or ECT 699

Target: 85%

Implementation Plan (timeline): Annual

Responsible Individual(s): Program Coordinator

Findings for Rubric

No Findings Added

Overall Recommendations

No text specified

Overall Reflection

No text specified

Action Plan

Status Report

2015-2016 Assessment Cycle

Assessment Plan

Outcomes and Measures

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

5. acquire, or improve existing, technical knowledge

The student will acquire, or improve existing, technical knowledge in the field of Electronics, Computer, or Automation & Industrial Controls Technology.

Measure: examination scores
Direct - Exam

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)
Target:
Implementation Plan (timeline): Fall 2015
Responsible Individual(s): Program Coordinator

Measure: Laboratory Assignments
Direct - Student Artifact

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)
Target:
Implementation Plan (timeline): Fall 2015
Responsible Individual(s): Program Coordinator

6. apply theoretical knowledge to practical applications

The student will effectively demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.

Measure: Laboratory Assignments
Direct - Student Artifact

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)
Target:
Implementation Plan (timeline): Fall 2015
Responsible Individual(s): Program Coordinator

Measure: Student Projects
Direct - Student Artifact

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)
Target:
Implementation Plan (timeline): Fall 2015
Responsible Individual(s): Program Coordinator

7. evaluation and integration of technical knowledge

The student will effectively demonstrate proficiency at the evaluation and integration of technical knowledge and theory.

Measure: Class Project
Direct - Student Artifact

Details/Description: ECT 680

Target:

Implementation Plan (timeline): Fall 2015

Responsible Individual(s): Program Coordinator

Assessment Findings

Finding per Measure

MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes

5. acquire, or improve existing, technical knowledge

The student will acquire, or improve existing, technical knowledge in the field of Electronics, Computer, or Automation & Industrial Controls Technology.

Measure: examination scores
Direct - Exam

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Fall 2015

Responsible Individual(s): Program Coordinator

Findings for examination scores

No Findings Added

Measure: Laboratory Assignments
Direct - Student Artifact

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Fall 2015

Responsible Individual(s): Program Coordinator

Findings for Laboratory Assignments

No Findings Added

6. apply theoretical knowledge to practical applications

The student will effectively

Measure: Laboratory Assignments
Direct - Student Artifact

demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Fall 2015

Responsible Individual(s): Program Coordinator

Findings for Laboratory Assignments

No Findings Added

Measure: Student Projects
Direct - Student Artifact

Details/Description: ECT 537, 542, 623, 631, 633, 634, 642, 635, 661, or 663 (those offered that semester)

Target:

Implementation Plan (timeline): Fall 2015

Responsible Individual(s): Program Coordinator

Findings for Student Projects

No Findings Added

7. evaluation and integration of technical knowledge

The student will effectively demonstrate proficiency at the evaluation and integration of technical knowledge and theory.

Measure: Class Project
Direct - Student Artifact

Details/Description: ECT 680

Target:

Implementation Plan (timeline): Fall 2015

Responsible Individual(s): Program Coordinator

Findings for Class Project

No Findings Added

Overall Recommendations

No text specified

Overall Reflection

No text specified

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

Assessment Plan

Assessment Findings

Appendix

A. **MS in Electronics & Computer Technology Program** (Curriculum Map)