



## Research and Economic Development

**Title:** Research and Economic Development

**Start:** 7/1/2018

**End:** 6/30/2019

**Progress:**

**Reporting Year:** 2018-2019

**Providing  
Department:** Research

**Department/Unit  
Contact:** Francis Otuonye

**Responsible Roles:** No Roles Selected

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**Mission/Vision/Goal  
Statement:** **Vision:** Provide research support that will allow Tennessee Tech University to emerge as a leader in collaborative-interdisciplinary-innovative-creative-entrepreneurial research and development that will help solve societal and industrial problems that are of critical importance to workforce and economic development of the Upper Cumberland region and the State of Tennessee. **Mission:** Our mission is three-fold.

- Sponsored and scholastic research: support, inspire, provide incentives for faculty to pursue sponsored and scholastic research and grow a sponsored research program.
- Innovation: develop and inspire innovation and an entrepreneurial culture of students and faculty on campus.
- Economic development: support economic development of the Upper Cumberland region and the State through research developed at the University.



## Goal 1

**Title:** Goal 1

**Start:** 7/1/2018

**End:** 6/30/2019

**Progress:**

**Providing** Research

**Department:**

**Responsible Roles:**

No Roles Selected

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**Define Goal:** **Goal 1:** Develop and encourage activities to increase extramural funding.

**Intended Outcomes** **Objective 1.1:** Provide initiation grants for individual and interdisciplinary research projects.  
**/ Objectives:**

**Objective 1.2:** Provide assistance with proposal preparation.

**Objective 1.3:** Offer proposal and faculty research development workshops and training.



## Goal 1 Assessment Tools

**Title:** Goal 1 Assessment Tools

**Start:** 7/1/2018

**End:** 6/30/2019

**Progress:**

**Providing** Research

**Department:**

**Goal/ Outcome/** Goal 1

**Objective:**

**Type of Tool:** Tracking Spreadsheet

**Frequency of** Annually

**Assessment:**

**Rationale:** **Goal 1:** Develop and encourage activities to increase extramural funding. **Objective 1.1:** Provide initiation grants for individual and interdisciplinary research projects. **Method of Assessment:** Amount of initiation grants/support provided for research growth from Faculty Research Grants and other Office of Research funds. **Objective 1.2:** Provide assistance with proposal preparation. **Method of Assessment:** Track number of proposals submitted by faculty; administer satisfaction surveys; track value of all proposals submitted. **Objective 1.3:** Offer proposal and faculty research development workshops and training. **Method of Assessment:** Track number of proposal development workshops; administer satisfaction surveys; track number of awards received; total value of awards received.

The target of \$217K for objective 1.1 was established using the 2017/18 results to align with the trend in initiation grants funded and resources provided by the Office of Research.

As trends show a decline in faculty pursuit of externally funded research and creative activities, the target for objective 1.2 was lowered from five percent to three percent above (or 249) the 2017/2018 target of 242 proposals submitted with a corresponding three percent increase in value above (or \$70.7 M) the \$68.6 M target in 2017/18.

The target for the number of proposal development workshops (training) in objective 1.3 remained at seven for the 2018/19 reporting period. In addition, the targets for the number of awards received and the value of those awards were lowered from five percent to three percent above (or 155 awards) the 151 target awards in the 2017/18 reporting period. The target for proposal value was set at three percent above (or \$14.9M) the \$14.5M target in the 2017/18 year.

**Responsible Roles:**

No Roles Selected

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## Goal 2

**Title:** Goal 2

**Start:** 7/1/2018

**End:** 6/30/2019

**Progress:**

**Providing Department:** Research

**Responsible Roles:** No Roles Selected

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**Define Goal:** **Goal 2:** Develop and encourage activities to enhance innovation.

**Intended Outcomes / Objectives:**

- Objective 2.1:** Provide initiation grants for innovative ideas that might result in invention disclosures.
- Objective 2.2:** Provide funding for filing patents and copyrighted materials.
- Objective 2.3:** Seek opportunities to inform angel investors and venture capitalists of inventions in the University intellectual property portfolio.



## Goal 2 Assessment Tools

**Title:** Goal 2 Assessment Tools

**Start:** 7/1/2018

**End:** 6/30/2019

**Progress:**

**Providing** Research

**Department:**

**Goal/ Outcome/** Goal 2

**Objective:**

**Type of Tool:** Tracking Spreadsheet

**Frequency of** Annually

**Assessment:**

**Rationale:** **Goal 2:** Develop and encourage activities to enhance innovation. **Objective 2.1:**

Provide initiation grants for innovative research projects that might result in invention disclosures. **Method of Assessment:** Track number of inventions disclosed.

**Objective 2.2:** Provide funding for filing patents and copyrighted materials. **Method of Assessment:** Track number of inventions disclosed.

**Objective 2.3:** Seek opportunities to inform angel investors of intellectual property in TTU portfolio. **Method of Assessment:** Track number of inventions disclosed.

There will be a continuing effort in 2018/19 to convert invention disclosures to patent applications and to license the inventions in our portfolio. Since the target five percent increase was not met for the 2017/18 reporting period, the target for 2018/19 will remain at 11 (and the target percent increase would be only three percent, which would be a negligible change from last year's target) for the number of inventions disclosed.

**Responsible Roles:**

No Roles Selected

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### Goal 3

**Title:** Goal 3

**Start:** 7/1/2018

**End:** 6/30/2019

**Progress:**

**Providing** Research

**Department:**

**Responsible Roles:**

No Roles Selected

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**Define Goal:** **Goal 3:** Identify activities that could potentially improve the economic environment of the region.

**Intended Outcomes / Objectives:** **Objective 3.1:** Provide support to, and collaborate with, public and private sectors in economic development activities.



## Goal 3 Assessment Tools

**Title:** Goal 3 Assessment Tools

**Start:** 7/1/2018

**End:** 6/30/2019

**Progress:**

**Providing** Research

**Department:**

**Goal/ Outcome/** Goal 3

**Objective:**

**Type of Tool:** Tracking Spreadsheet

**Frequency of** Annually

**Assessment:**

**Rationale:** **Goal 3:** Identify activities that could potentially improve the economic environment of the region. **Objective 3.1:** Provide support to and collaborate with public and private sectors in economic development activities. **Method of Assessment:** Track number of projects resulting from industry contacts and the total amount of the contracts.

As the Method of Assessment is new for this year, the 2018/19 reporting period results will be used as a baseline to establish future targets.

**Responsible Roles:**

No Roles Selected

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