



## Research and Economic Development

**Title:** Research and Economic Development

**Start:** 7/1/2017

**End:** 6/30/2018

**Progress:**

**Reporting Year:** 2016-2017

**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:** 7/1/2017

**End:** 6/30/2018

**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.

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## Goal 1 Assessment Tools

**Title:** Goal 1 Assessment Tools

**Start:** 7/1/2017

**End:** 6/30/2018

**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. **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 for objective 1.1 was established using the 2016/17 value of \$93K to align with the trend in initiation grants funded.

The target for objective 1.2 was set at five percent above (or 242) the 2016/2017 target of 230 proposals submitted with a corresponding five percent increase in value above (or \$68.6 M) the \$65.3 M in 2016/17 . It is anticipated that the number of proposals submitted will increase with the increase in the number of new faculty members hired.

The target for the number of proposal development workshops (training) in objective 1.3 was increased by five percent, from 6 in 2016/2017 to a value of 7 in 2017/18, because of the need to provide more proposal development workshops (training) to the larger number of new faculty. In addition, the targets for the number of awards received and the value of those awards were increased by five percent from 144 awards to 151 awards with a corresponding value from \$13.8 M to \$14.5 M, respectively for the 2017/18 year.

**Responsible Roles:**

No Roles Selected



## Goal 2

**Title:** Goal 2

**Start:** 7/1/2017

**End:** 6/30/2018

**Progress:**

**Providing** Research

**Department:**

**Responsible Roles:**

No Roles Selected

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

**Intended Outcomes** **Objective 2.1:** Provide initiation grants for innovative ideas that might result in invention disclosures.

**/ Objectives:**

**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.

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## Goal 2 Assessment Tools

**Title:** Goal 2 Assessment Tools

**Start:** 7/1/2017

**End:** 6/30/2018

**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 renewed effort in 2017/18 to convert invention disclosures to patent applications and to license the inventions in our portfolio. The target for 2017/18 is established at 11, a five percent increase over last fiscal year, for the number of inventions disclosed.

**Responsible Roles:**

No Roles Selected

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### Goal 3

**Title:** Goal 3

**Start:** 7/1/2017

**End:** 6/30/2018

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

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## Goal 3 Assessment Tools

**Title:** Goal 3 Assessment Tools

**Start:** 7/1/2017

**End:** 6/30/2018

**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 economic development activities supported; track number of industry contacts made.  
For the 2017/18 academic year, the targets for the number of economic development proposals supported will remain at 2 (since a five percent increase would be only marginal), and the number of industrial contacts that will result in funded activity to the University or the community is established at 11, a five percent increase over last fiscal year.

**Responsible Roles:**

No Roles Selected

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