



Flight Plan

Priority Initiative Status Report

March 2014

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VISION

Tennessee Tech will be nationally recognized as a leading technological university in the South, providing academic, economic and cultural leadership in the region and producing practical, ready-to-work graduates from a broad range of academic disciplines prepared to compete in a technologically driven world.

4 FOCUS AREAS

UNDERGRADUATE EDUCATION
TECHNOLOGY
DISTINCTIVENESS
INFRASTRUCTURE AND RESOURCES

12 PRIORITY ACTIONS

1. FRESHMEN FLIGHT PATH
2. ACADEMIC ADVISING
3. HIGH-DEMAND COURSE CAPACITY
4. TECHNOLOGY SERVICE TO STUDENTS
5. TECHNOLOGY INFRASTRUCTURE AND INNOVATION
6. UNDERGRADUATE CO-CURRICULAR PROGRAM
7. MULTIDISCIPLINARY RESEARCH INNOVATION
8. NEW GRADUATE PROGRAMS
9. TECHNOLOGY IN TEACHING
10. ENROLLMENT, TUITION AND SCHOLARSHIPS
11. PHYSICAL INFRASTRUCTURE PRIORITIES
12. EFFICIENCY AND EFFECTIVENESS

10 METRICS

UNDERGRADUATE

1. ACT SCORE RANGE
2. FTE ENROLLMENT
3. BACHELOR'S DEGREES
4. RETENTION RATE
5. SIX-YEAR GRADUATION RATE

GRADUATE AND RESEARCH

6. DOCTORAL DEGREES
7. MASTER'S DEGREES
8. RESEARCH EXPENDITURES PER FACULTY

FINANCIAL

9. OPERATING EXPENDITURES PER STUDENT
10. ENDOWMENT PER STUDENT

Undergraduate Education – Status

PRIORITY	ACTION	TIMING	STATUS
<p>1 Freshmen Flight Path</p>	<p>Implement an early intervention first-year retention program for freshmen to include a technology-enabled class roll system</p>	<p>Near-Term</p>	<ul style="list-style-type: none"> • Accomplishments: <ul style="list-style-type: none"> – Launched Freshmen Flight Path – Hired Director of Retention Services – Trained RAs in intervention conduct – Piloted attendance tool with faculty • Challenges: Data integrity and attendance reporting tool issues; Bobby to work with Reid on alternatives
<p>2 Academic Advising</p>	<p>Establish a professional advising system that expands the number of professional advisors and supports faculty-student mentorship</p>	<p>Near-Term</p>	<ul style="list-style-type: none"> • Accomplishments: <ul style="list-style-type: none"> – New advising model established – New advisors hired – Director of Advisement Services hired – Established a student success collaborative program, including web-based student tracking • Challenges: None reported
<p>3 High-Demand Course Capacity</p>	<p>Identify high-demand courses and add additional capacity through hiring faculty and evaluating classroom space issues</p>	<p>Near-Term</p>	<ul style="list-style-type: none"> • Accomplishments: <ul style="list-style-type: none"> – Completed review of gen ed courses (instruction and use of space) – Identified constraints and challenges – Evaluating summer school expansion • Challenges: None reported

PRIORITY	ACTION	TIMING	OBJECTIVE
<p>4 Technology Service to Students</p>	<p>Improve technology service to students by meeting student need for connectivity and support</p>	<p>Near-Term</p>	<ul style="list-style-type: none"> • Accomplishments: <ul style="list-style-type: none"> - Completed Wi-Fi deployment - Adopted push technology using mobile apps - Recruited service desk support - Planning for "Tech Wall" (interactive electronic wall) • Challenges: Space issues for Tech Spot
<p>5 IT Infrastructure and Innovation</p>	<p>Create an IT strategic plan to strengthen technology capabilities in infrastructure and services; establish a fund to promote innovation</p>	<p>Long-Term</p>	<ul style="list-style-type: none"> • Accomplishments: <ul style="list-style-type: none"> - Started research computing initiative (HPC working group) - Work on visualization center initiated - Discovery Innovation Center will launch soon in library area • Challenges: None reported

PRIORITY	ACTION	Timing	STATUS
<p>6</p> <p>Co-curricular Undergraduate Program</p>	<p>Redesign TTU's undergraduate programs to emphasize co-curricular activity in order to better prepare students to solve real-world problems</p>	<p>Long-Term</p>	<ul style="list-style-type: none"> • Accomplishments: <ul style="list-style-type: none"> – Increased funding for undergraduate research by 40% – New innovation in experiential learning – Working on a common freshmen experience • Challenges: None reported
<p>7</p> <p>IDEAS Multidisciplinary Research Innovation</p>	<p>Establish Innovation for Distinctiveness in Education and Applied Sciences (IDEAS), an incubator to cultivate promising and distinctive research opportunities</p>	<p>Long-Term</p>	<ul style="list-style-type: none"> • Accomplishments: TBD • Challenges: May need to evaluate this initiative and re-define the action to align with current activity to support research and innovation

PRIORITY	ACTION	Timing	STATUS
<p>8 New Graduate Programs</p>	<p>Offer new graduate degree programs in high-demand, distinctive areas</p>	<p>Long-Term</p>	<ul style="list-style-type: none"> • Accomplishments: <ul style="list-style-type: none"> – Four MS concentrations in development – Partnerships with ETSU – Ph.D. in Psychology – Ed Technology concentration in ES. – New concentrations in Child Life within B.S. in Human Ecology; Business Intelligence and Analytics within BSBA • Challenges: None reported
<p>9 Technology in Teaching</p>	<p>Provide faculty advanced support to adopt digital learning practices and technology innovation in the classroom</p>	<p>Long-Term</p>	<ul style="list-style-type: none"> • Accomplishments: <ul style="list-style-type: none"> – Developed Center for Teaching and Learning • Challenges: None reported

Infrastructure and Resources

PRIORITY	ACTION	Timing	STATUS
<p>10 Enrollment, Tuition, and Scholarships</p>	<p>Evaluate undergraduate enrollment and tuition; improve use of scholarships</p>	<p>Near-Term</p>	<ul style="list-style-type: none"> • Accomplishments: <ul style="list-style-type: none"> - Completed enrollment model review - Established growth goals - Review of Freshmen admission standards underway - Increased financial aid funding • Challenges: None reported
<p>11 Physical Infrastructure Priorities</p>	<p>Enrich and modernize university physical infrastructure</p>	<p>Long-Term</p>	<ul style="list-style-type: none"> • Accomplishments: <ul style="list-style-type: none"> - Master plan completed - Parking assessment to be initiated • Challenges: None reported
<p>12 Efficiency and Effectiveness</p>	<p>Streamline administrative requirements by simplifying business processes and leveraging technology to improve effectiveness</p>	<p>Near-Term</p>	<ul style="list-style-type: none"> • Accomplishments: <ul style="list-style-type: none"> - SciQuest implementation was successful; eliminated filing cabinets by implementing electronic workflow - Budget assessment complete - Mobile app for registration under development • Challenges: None reported