TENNESSEE BOARD OF REGENTS

# Quarterly Board Meeting

*Jackson State Community College*

**September 17, 2015**

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# Report of Interim Action

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# Report of the Committees

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# Report of the Regents Award in Excellence in Philanthropy

Regent Fran Marcum

September 17, 2015

# The University of Memphis
## Regents Award Ceremony
Regents Rebecca Reeves, Leigh Shockey, and Barbara Prescott,
Recipient George Johnson, and Regent Greg Duckett

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# Report of the Chancellor

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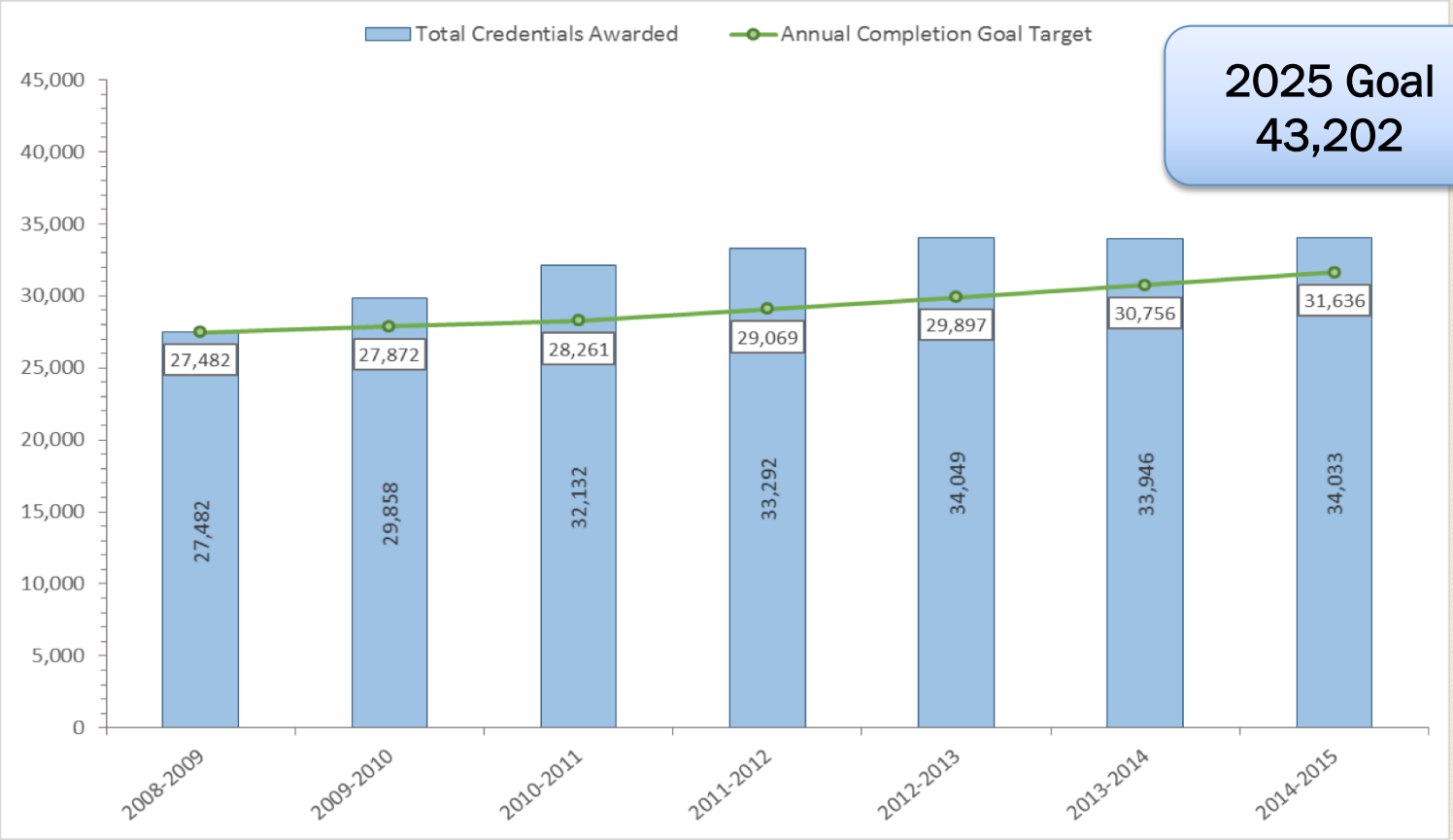
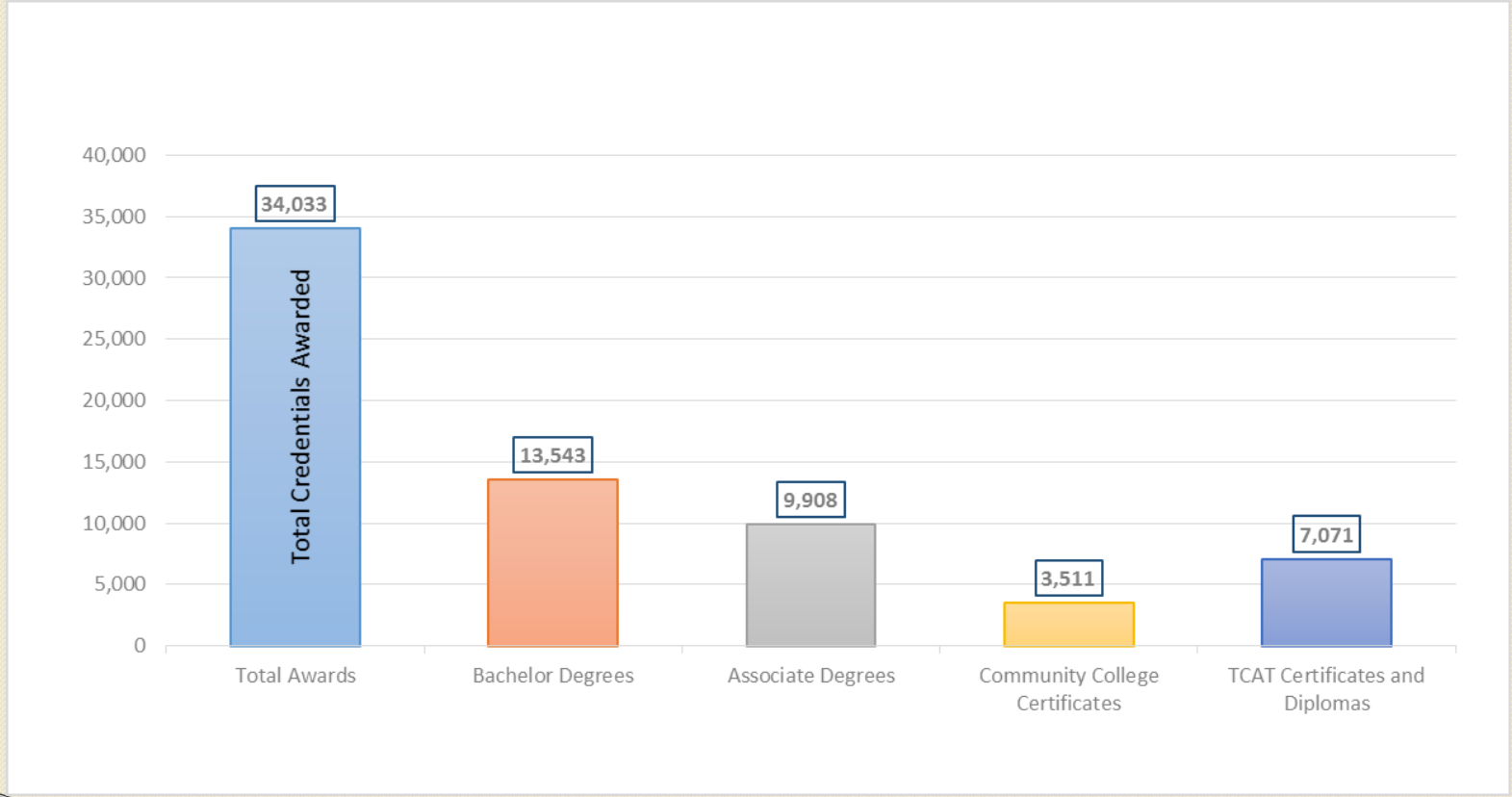
# Progress Towards the Goal

# Completion Agenda Goal and Trajectory



# 2014-2015 Credentials by



# University Presidents' Report

# Community College Presidents' Report

Jackson State Community College

National Center of Academic Excellence in Information Assurance 2-Year Education (CAE/2Y)

# Puzzle-Based Learning Project

**NSF ATE Project Grant 1406992**

- The goal of this project is to improve the effectiveness of cyber security education through puzzle-based learning (PBL), expanding student knowledge and problem solving skills through the stimulation of their cognitive abilities.
- The successful implementation of this project will improve defensive skills of students pursuing a career in the Network and Computer Systems and Computer Network Support Specialists occupations, which includes those who will be enrolled in cyber security courses and programs that will support the front line technician.

# PBL Facts

- 3-Year Project (Currently in Year 2)
- Two Project Teams
  - Jackson State Community College Team
  - University of Memphis Team
- Puzzle Foci  - Cyber Security Topics
  - Authentication
  - Encryption
- Puzzle Platforms
  - Mobile Apps
  - Unity 3D, Blender, Unreal Gaming Platforms
  - Visual Basic Apps
  - Articulate Storyline

# PBL Facts

- First Pilot – Spring 2016
- Faculty Summer Workshop – Summer 2016
- Widespread Dissemination – Fall 2016
- Cyber Capture the Flag Competition – Spring 2017
- https://www.youtube.com/watch?v=uZQaDQ2Uc9o&feature=youtu.be
- http://www.memphis.edu/cfia/pbl-sec/

# Upcoming Presentations

- National Science Foundation Advanced Technology Education PI Conference
- University of Memphis Cyber Security Summit
- Colloquium for Information Systems Security Education Conference (Pending)
- Community College Cyber Summit (Pending)

# Contact Information

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# TCAT Directors' Report

# SkillsUSA Update

# Business & Industry Role

- Over $35 million invested annually
- 1,600 corporate volunteers
- Lowes, Snap-on, State Farm, Caterpillar, Air Products, Carhartt, etc..
- $250,000 Alcoa Grant for WorldSkills
- Employment Opportunities
- Programs to Increase Postsecondary Student Participation

# SkillsUSA National Conference Performance

- 97 students in 64 contests
- 42 medals
  - 12 gold
  - 7 Silver
  - 23 Bronze
- 80 top 10 finishes
- 8th consecutive National Officer Elected

# Model of Excellence

- TCAT- Harriman
  - One of 24 chapters recognized
  - Over 4,000 SkillsUSA chapters nationally

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# Phillip Boyd

SkillsUSA National Gold Medalist
Welding Sculpture
TCAT-Crump

# Joe Conundrum

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