

# **College of Integrated Science and Engineering**

## **Summer Orientation 2024**

Drs. Jeffrey Tang and Afzal Upal  
Associate Deans

 **JAMES MADISON UNIVERSITY** 

# Welcome to the College of Integrated Science and Engineering (CISE – pronounced “size”)!



We value theoretical knowledge, but we thrive on applying that knowledge.

# Small Group Discussion

Transitioning from your current institution to JMU

- What do you expect will be the same/familiar?
- What do you expect to be different?

# Sharing Your Conversations

# Transitioning to JMU

## Similar

- Hard work is rewarded
- Academics are your job
- Extracurriculars
- Balance fun and studying
- Opportunities to learn
- Core requirements & electives

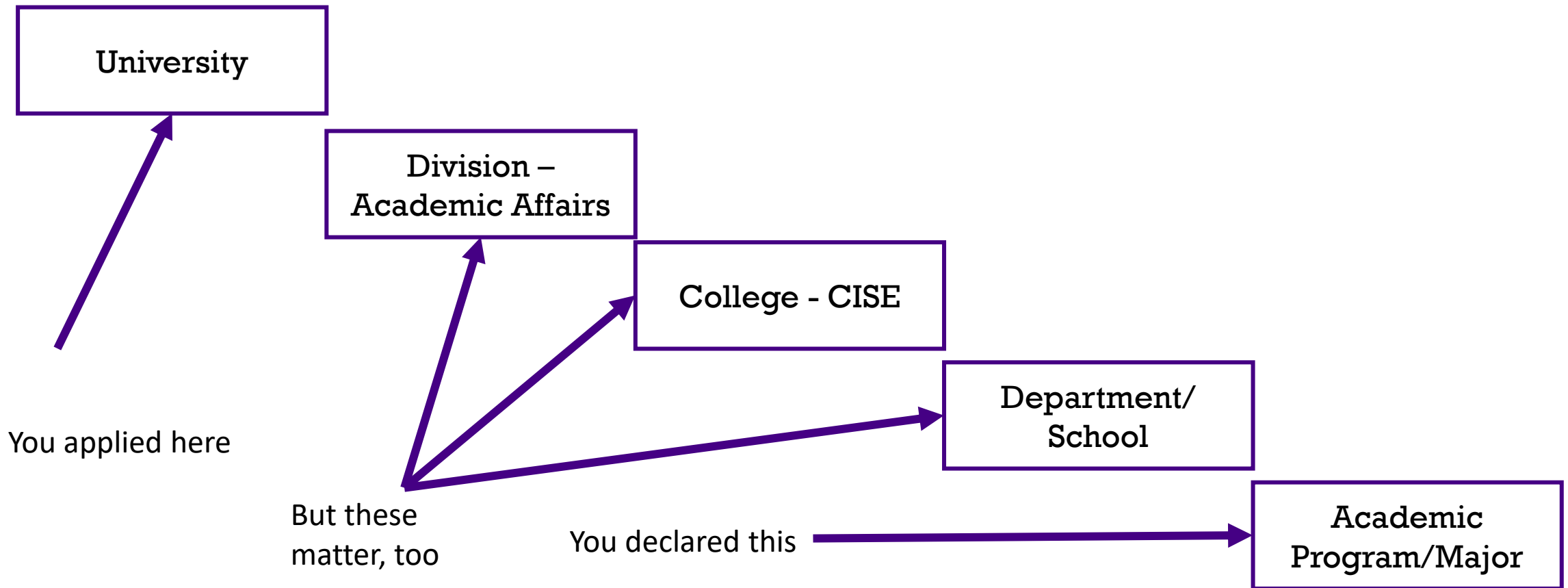
## Different

- More freedom
  - Choice of classes/major & more to choose from
- More research options

# Small Group Discussion

How will you handle challenges that come with those differences?

# Simplified organizational structure of JMU



# CISE Academic Unit Heads



Computer Science  
Vetria Byrd



Engineering  
Adebayo Ogundipe



Integrated Sciences,  
GEOG & IA  
Henry Way



Integrated Sciences, ISAT  
Stephanie Stockwell



# What you can expect in CISE

- Small class sizes, especially in junior and senior years
- State-of-the-art equipment and facilities
- A passionate commitment to outstanding education
- Mixture of instructional styles
  - Active learning
  - Hands-on activities
  - Traditional lectures
  - Team-based learning



# What Makes CISE Distinctive

- Applied Science and Technology focus
- Thrive on applying that knowledge
- We prepare students to solve challenging problems
  - Focus on science and technology
  - But never forgetting the human element



# Complex Problems Demand Diverse Teams



# CISE majors



# Small Group Discussion

What are the biggest or most important unknowns for you about your major? About JMU?

# What we ask of you

- Bring your best effort
- Work with others with humility
- Push yourself beyond your comfort zone
- Make academics your priority



# **CISE is a Part of JMU**

# Take Advantage of JMU's Many Strengths







# Opportunities

- Undergraduate Research
- Internships
- Study abroad/away: CISE programs from Costa Rica to Australia to Germany to Malta and more



# Preparing you to succeed...with many options!

- Variety of paths after graduation
  - Jobs with Businesses or Government
  - Graduate School
  - Start-up Companies
  - Service Work – Peace Corps, Teach for America, etc.
- We help you in this process
  - CISE Career and Internship Fair
  - University Career Center



# Questions?