

## EXECUTIVE SUMMARY

**Item Name:** Addendum to the 2015-2016 Academic Strategic Plan for Northern Arizona University (NAU)

- ☒ Action Item
- ☐ Committee Recommendation to Full Board
- ☐ First Read of Proposed Policy Change
- ☐ Information or Discussion Item

**Issue:** Northern Arizona University asks the board to approve the addendum to its 2015-2016 Academic Strategic Plan.

### Enterprise or University Strategic Plan

(Check the element(s) of the strategic plan that this item supports or advances)

- ☒ Empower Student Success and Learning
- ☒ Advance Educational Attainment within Arizona
- ☒ Create New Knowledge
- ☐ Impact Arizona
- ☐ Compliance
- ☐ Real property purchase/sale/lease
- ☐ Other: Academic Strategic Plan

### Statutory/Policy Requirements

ABOR Policy 2-223.A, "The Academic Strategic Plan"

### Background/History of Previous Board Action

- NAU requests approval for three new programs and one new school, as described in the attached table.

### Committee Review and Recommendation

The Academic and Student Affairs Committee reviewed this item at its November 18, 2015 meeting and recommended forwarding the item to the full board for approval.

### Requested Action

Northern Arizona University asks the board to approve the addendum to its 2015-2016 Academic Strategic Plan.

### Contact Information:

Jim Coleman, Provost, NAU (928) 523-2230  
Mark Denke, ABOR (602) 229-2503

[jim.coleman@nau.edu](mailto:jim.coleman@nau.edu)  
[mark.denke@azregents.edu](mailto:mark.denke@azregents.edu)

## EXECUTIVE SUMMARY

**Table 1 - Proposed New Academic Programs**

<b>Name of Proposed Degree (degree type and major)</b>	<b>College/School (location)</b>	<b>Program Fee Required? (Yes or No)</b>	<b>Additional State Funds Required? (Yes or No)</b>	<b>Brief Description/Justification (max 100 words)</b>	<b>Projected 3<sup>rd</sup> Year Enrollment &amp; Implementation Date</b>
Informatics and Computing, PhD	College of Engineering, Forestry and Natural Sciences	No	No	This research-intensive Ph.D. will support NAU's ABOR-designated goals for research expenditures and doctoral degrees, as well as state and national workforce needs. It is interdisciplinary, with emphases in health and bioinformatics; ecological and environmental informatics; and cyber- and software systems. Students will develop high value skills in software development, large-scale data management, data mining and machine learning. NAU's degree will be distinct from ASU's Ph.D. in Biomedical Informatics and U of A's Ph.D. in Statistical Informatics.	Implement: Fall, 2016 Projected enrollment at three years: 21 students
BA/BS in Management	Extended Campuses/Personalized Learning	No	No	This competency-based undergraduate program prepares students for leadership roles in global organizations. Students will develop and demonstrate advanced knowledge, skills, and abilities that will make them competitive in a local or international work environment. Students select an emphasis area in either Management of Human Resources or Management of Healthcare in which	120 subscriptions during first year with 10% growth annually thereafter.

**EXECUTIVE SUMMARY**

				to focus their administrative studies. A final capstone experience showcases students' global marketability for a broad spectrum of management roles.	
Master of Computer Information Technology	Extended Campuses/Personalized Learning	No	No	This competency-based graduate program prepares students for analyst, engineer, or leadership roles. The curriculum will provide industry skills that are designed around highly valued certifications. Students will augment IT skills with the social, verbal, and intercultural business skills demanded by today's work environments. Students will be able to select an emphasis in computer security, web design and development, data management, or project management.	120 subscriptions during first year with 10% growth annually thereafter.
Master of Business Administration	NAU-Yuma, on the ground.	No	No	The MBA program at NAU-Yuma will provide an advanced business degree to place-bound students in a region of Arizona that has limited graduate educational opportunities. The program will contribute to economic, workforce, and social development on both sides of the border. In addition to business management skills, students will study ethical border practices, create multi-cultural teams and develop multi-cultural leadership skills.	Year 1 - 25 Year 2 - 35 Year 3 - 45 Year 4 - 50

**EXECUTIVE SUMMARY**

**Table 2 - Proposed New Academic Unit**

<b>Proposed Unit</b>	<b>Level (College, School, or Department)</b>	<b>Location (College, School, etc. where it will be located)</b>	<b>Brief Description/ Effective Date (max 50 words)</b>	<b>Justification/need (max 100 words)</b>	<b>New Resources, if any, and Source* Savings/Efficiencies Gained</b>
School of Informatics, Computing, and Cyber Systems (SICCS)	School	College of Engineering, Forestry and Natural Sciences	The department of Electrical Engineering & Computer Science will incorporate four existing faculty lines from other areas with research expertise in informatics. Additionally, several new faculty will be hired to build teaching and research capacity in these disciplines, The Ph.D. program in Informatics and Computing (pending ABOR approval) would be housed in this unit.	The new school will synergistically combine existing resources in the areas of electrical engineering and computer science with rapidly expanding expertise in informatics. The increasing importance of cyber systems and the technologies needed to design them is emphasized by the NSF Division of Electrical, Communications, and Cyber Systems. The new school will offer BS and MS degree programs currently offered by the Department of Electrical Engineering and Computer Science along with the proposed Ph.D. in Informatics and Computing. The school	Existing resources will be reallocated to support the new school and its programs.

**EXECUTIVE SUMMARY**

				will promote interdisciplinary research and stimulate technological development. The degree programs will contribute to workforce development and economic growth.	
--	--	--	--	--	--

