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| For Academic Affairs and Research Use Only |
| Proposal Number |  |
| CIP Code:  |  |
| Degree Code: |  |

**New Emphasis, Concentration, Option, or Minor Proposal Form**

**[ ] Undergraduate Curriculum Council**

**[x] Graduate Council**

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

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**Department Curriculum Committee Chair** |

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**COPE Chair (if applicable)** |
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| Donald Kennedy | 8/24/2020 |

**Department Chair** |

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**Head of Unit (if applicable)**   |
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| GwanSeon Kim | 9/8/2020 |

**College Curriculum Committee Chair** |

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**Undergraduate Curriculum Council Chair** |
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**College Dean** |

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**Graduate Curriculum Committee Chair** |
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**General Education Committee Chair (if applicable)**   |

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**Vice Chancellor for Academic Affairs** |

1. **Contact Person (Name, Email Address, Phone Number)**

**John W. Nowlin**

1. **Proposed Starting Date**

**07/01/2020**

1. **Title of degree program:**

Master of Science in Agriculture (M.S.A.)

1. **Proposed name of new option/concentration/emphasis/minor:**

Concentration: Digital Agriculture

1. **Reason for proposed action that includes rationale, goals, and student population served:**

In keeping with our expanded undergraduate emphasis area in Agricultural Systems Technology and advancing from our undergraduate minor in Precision Agriculture, there is not an appropriate emphasis area at the graduate level in the Ag. Tech space.

1. **Provide the following:**
	1. Curriculum outline - List of courses in new option/concentration/emphasis/minor – Underline required courses

This is a sample set of courses for a Digital Agriculture Student

|  |  |  |
| --- | --- | --- |
| Course Number and Name | Hours | Term |
| AGRI 638V, IND Agroecological Systems | 3 | SU1 |
| AGRI 6213, Experimental Designs  | 3 | FA1 |
| AGST 5543, Understanding GIS | 3 | FA1 |
| AGRI 6362, Graduate Communication Skills I: Professional Writing  | 2 | FA1 |
| AGST 5773, Remote Sensing **OR** AGST 5003, Modern Irrigation | 3 | SP1 |
| AGST 6543, Geospatial Data and Models | 3 | SP1 |
| AGST 501V, Special Topics Graduate Seminar  | 3 | SU2 |
| AGEC 5253, Agricultural and Environmental Data Science | 3 | FA2 |
| AGST 6843, Applied Geospatial Research | 3 | FA2 |
| AGRI 6371, Graduate Communication Skills II: Professional Presentations  | 1 | SP2 |
| Thesis | 6 | SP2 |
|  |  |  |

* 1. Total semester credit hours required for option/emphasis/concentration/minor

18-24

* 1. Student demand (projected enrollment) for program option

3-5

1. **Will the new option/emphasis/concentration/minor be offered:**
	1. **Traditional/Face-to-face** Yes
	2. **Distance/Online** No
		1. **If yes, indicate mode of distance delivery, and the percentage of courses offered via this modality (<50%, 50-99%, or 100%).**

100%

* + 1. **If online, will it be offered through Global Initiatives/Academic Partnerships (AP)?**

Enter text...

1. **Specify the amount of the additional costs required, the source of funds, and how funds will be used.**

Enter text...

**Bulletin Changes**

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| **Instructions**  |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Please include a before (with changed areas highlighted) and after of all affected sections.** **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.**  |

2020-2021 Grad Bulletin Pg 55, After the concentration in Animal Science and before the concentration in Plant Science.

**Agriculture**

 Master of Science in Agriculture Concentration in Digital Agriculture

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| **University Requirements:** |  |
| See Graduate Degree Policies for additional information (p. 39) |  |
| **Agriculture MSA Core Courses:** | **Sem. Hrs.** |
| (See Program of Study for MSA Degree) | **6** |
| **Concentration Area (Agricultural Systems Technology):**Each student, with the assistance and approval of their graduate advisor and graduate committee, will select courses leading to specialized training in Agricultural Business and Economics. Students pursuing the Thesis option will count six hours of thesis toward the degree. | **Sem. Hrs.** |
| Thesis Hours | 0-6 |
| Courses in Concentration Area | 18-24 |
| **Sub-total** | **24** |
| **Total Required Hours:** | **30** |