

# UNDERGRADUATE STUDENT SUCCESS APPENDIX 1

## Student Credit Hours by Course Level

100-400 (undergraduate) and >800 (graduate)

	<b>100</b>	<b>200</b>	<b>300</b>	<b>400</b>	<b>800</b>	<b>900</b>	<b>Total</b>
<b>Fall 2018</b>	2003	1845	230	556	446	316	5396
<b>Fall 2019</b>	2028	1932	286	709	440	357	5752
<b>Fall 2020</b>	2016	1708	321	542	424	65	5076
<b>Fall 2021</b>	1855	1874	296	726	386	348	5485
<b>Fall 2022</b>	1547	1810	314	606	424	359	5060

## APPENDIX 2

### Student Learning Outcomes for Degree Programs

#### Agronomy and PLAS

1. Recognize, describe, and assess the value of nature.
2. Manage complex plant and soil systems which provide services for people and the planet.
3. Apply science and technology knowledge to problem solving.
4. Use diverse methods to generate, visualize, and communicate data that reveals truths and guides decision making.
5. Demonstrate effective communication to engage a target audience based on available information.
6. Lead and contribute to teams to amplify success in problem solving.

#### Plant Biology

1. Be confident in explaining how various plants grow and reproduce and predict how they will respond to their growing environment.
2. Plan and conduct experiments that are designed to test hypotheses and then communicate their discoveries in formats designed for other scientists or for the public.
3. Use the principles of ecology to analyze and interpret the interactions of the plant, animal, environmental, and economic aspects of grassland ecosystems. (Ecology and Management Option)
4. Identify management strategies for grasslands that ensure sustained productivity and resilience. (Ecology and Management Option)
5. Envision and design genetic and production improvements in plants to better meet the needs of people or changes in plant production environments. (Biotechnology Option)
6. Be competitive applicants for graduate programs worldwide in plant biology.