

SWINE PRODUCTION MANAGEMENT CERTIFICATE (24 CREDITS)

Successful certificate completion requires a minimum of 18 credits at the 3000 (junior) or 4000 (senior) level. Additionally, the certificate must include at least 9 unique credits that are not used to meet any other department, college, or university requirement. Unique credits can be used as elective credits.

| Foundation Course (3 credits) | | Credits |
|--|---|---------|
| ANS 2250 | Swine Science | 3 |
| Fundamental Disciplines (9 credits) | | |
| AN S 3200 | Animal Feeds and Feeding | 3 |
| AN S 3310 | Domestic Animal Reproduction | 3 |
| AN S 3520 | Genetic Improvement of Domestic Animals | 3 |
| Expertise Expansion (3 Credits) | | |
| AN S 3330 | Embryo Transfer and Related Technologies | 3 |
| AN S 3360 | Domestic Animal Behavior and Well-Being | 3 |
| AN S 3450 | Growth and Development of Domestic Animals | 3 |
| AN S 3600 | Fresh Meats | 3 |
| AN S 3800C | Employee Management for the Swine Industry | 1 |
| AN S 3800D | Farrowing Management | 1 |
| AN S 3800E | Swine Feed Mill Management | 1 |
| AN S 3800F | Marketing and Risk Management in the Swine Industry | 1 |
| AN S 3800G | Swine Nursery and Finishing Management | 1 |
| AN S 3820 | Swine Environment Management | 1 |
| AN S 3830 | Swine Manure and Nutrient Management | 1 |
| AN S 3840 | Swine Health and Biosecurity | 1 |
| TSM 3270 | Animal Production Systems | 3 |
| TSM 4550 | Feed Processing and Technology | 3 |
| TSM 4570 | Feed Safety, Ingredient Quality, and Analytics | 3 |
| VDPAM 4870 | Livestock Disease Prevention | 3 |
| Enterprise Management (3 credits) | | |
| AGEDS 4510 | Agricultural Law | 3 |
| ECON 2300 | Farm Business Management | 3 |
| ECON 2350 | Introduction to Agricultural Markets | 3 |
| ECON 3320 | Cooperatives | 3 |
| ECON 3340 | Entrepreneurship in Agriculture | 3 |
| Swine Production Emphasis (6 credits) | | |
| AN S 4250 | Swine Systems Management | 3 |
| AN S 3990 | Swine Internship Experience | 3 |