

Biological and Agricultural Technology Management — ABM

The Accelerated Bachelor's/Master's degree program is designed to provide an opportunity for highly motivated students to gain an in-depth understanding of biological and agricultural technology management beyond that of typical bachelor's level graduates and make them more competitive for industrial positions or for graduate studies. Specifically, the program allows students to take three 6000 level courses (minimum of 9 credit hours) that will count for both the bachelor's and master's degrees. The ABM program can be applied towards the non-thesis or thesis option of the BATM M.S. degree. In addition, the ABM program provides an opportunity for students involved in undergraduate research to build on and develop the research as part of the M.S. thesis requirement. The availability of an ABM will be useful in recruiting and attracting highly motivated high school students. Finally, the ABM program allows students to obtain a non-thesis M.S. degree in 12 months or obtain a thesis-based M.S. degree in about 18 months after earning a Bachelor of Science degree in Biological and Agricultural Technology Management. Note that the duration of the thesis-based M.S. degree is highly dependent on the type of research conducted for the M.S. degree. Students who are interested in the ABM program are highly encouraged to discuss with the department head or the BSEN Graduate Program Officer.

| Code | Title | Hours |
|-----------|---|-------|
| BATM 6150 | Drone Technologies in Agricultural and Biological Systems | 3 |
| BATM 6120 | Agri-Industrial Electronics and Controls | 3 |
| BATM 6140 | Commercial Poultry and Livestock Housing | 3 |
| BATM 6130 | Precision Ag Technology | 3 |
| AGRI 6010 | Analysis of Plant, Soil & Animal Data | 3 |

Above table are the approved courses that can be taken in the ABM program and the courses that they replace at the undergraduate level.

The table below shows the senior year for students in the BATM-ABM program. Those marked with asterisks are those that can be substituted with graduate level courses by the ABM students to simultaneously meet the requirements for nine (9) undergraduate hours during their senior year and nine (9) graduate hours to be used for the graduate degree.

Senior

| Fall | Hours | Spring | Hours |
|--|-------|---|-------|
| BATM 4100 Professional Practice in Technology Management | | 2 BATM 4110 Technology Capstone | 3 |
| BATM 5120 Agri-Industrial Electronics and Controls (*) | | 3 BATM 5150 Drone Technologies in Agricultural and Biological Systems (*) | 3 |
| BATM 5140 Commercial Poultry & Livestock Housing (*) | | 3 Core Social Science | 3 |
| Core Literature | | 3 Technical Elective 4* | 3 |
| Technical Elective 3* | | 3 Technical Elective 5* | 3 |