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| ***Code*** | ***Title*** | ***Credits*** | ***Option*** |
| First Semester |
| \*AS 5102 | Comparative Anatomy and Physiology of Farm Animals | 3 | Prerequisite |
| \*AS 5103 | Introduction to Animal Production | 2 | Prerequisite |
| AS 5109 | Dairy Chemistry | 2 | Compulsory |
| AS 5119 | Meat Science | 2 | Compulsory |
| AS 5124 | Procuring, Processing and Marketing of Fluid Milk | 2 | Compulsory |
| AS 5125 | Processing of Dairy Products | 2 | Compulsory |
| AS 5134 | Poultry Meat Processing Technology | 1 | Compulsory |
| AS 5198 | Directed Study | 2 | Compulsory |
| AS 5199 | Seminar | 1 | Compulsory |
| AS 5115 | Laboratory Techniques in Animal Nutrition | 2 | Elective |
| AS 5120 | Endocrinology of Farm Animals | 2 | Elective |
| AS 5122 | Physiology of Lactation | 2 | Elective |
| AS 5126 | Quantitative and Molecular Genetics of Farm Animals | 2 | Elective |
| AS 5127 | Ruminant Nutrition | 3 | Elective |
| AS 5129 | Selection Index and Mixed Model Methodology | 3 | Elective |
| AS 5131 | Slaughter House Planning and Management | 2 | Elective |
| AS 5151 | Biochemical Genetics and Cytogenetics | 2 | Elective |
| AS 5197 | Proposal Formulation and Scientific Writing | 2 | Elective |
| AE 5152 | Environmental Impact Assessment | 2 | Elective |
| FT 5105 | Food Microbiology | 2 | Elective |
| FT 5114 | Food and Nutritional Aspects of Food | 2 | Elective |
| FT 5156 | Food Regulations and Quality Management Systems | 2 | Elective |
| Second Semester |
| AS 5207 | Dairy Engineering | 2 | Compulsory |
| AS 5216 | Meat Processing Technology | 2 | Compulsory |
| AS 5217 | Microbiology of Dairy, Meat, Fish and Egg Products | 3 | Compulsory |
| AS 5256 | Slaughter House By-Product Technology | 2 | Compulsory |
| AS 5299 | Industrial Visits-Dairy and Meat Product Technology | 1 | Compulsory |
| AS 5201 | Advances in Forage Production and Utilization | 2 | Elective |
| AS 5202 | Animal Biotechnology | 3 | Elective |
| AS 5213 | Livestock Breeding | 3 | Elective |
| AS 5218 | Non–Ruminant Animal Production | 3 | Elective |
| AS 5220 | Ruminant Livestock Production | 3 | Elective |
| AS 5221 | Shrimp and Fish Processing | 2 | Elective |
| AS 5252 | Animal Quarantine, Welfare and Legislation | 1 | Elective |
| AS 5258 | Animal Food Safety | 2 | Elective |
| AS 5259 | Dairy Biotechnology | 2 | Elective |
| AS 5260 | Dairy Sanitation and Hygiene | 1 | Elective |
| FT 5201 | Food Plant Layout and Operations | 1 | Elective |
| FT 5203 | Production and Marketing Operations in Food Manufacturing Organizations | 2 | Elective |
| FT 5223 | Food Analysis | 3 | Elective |
| FT 5224 | Sensory Evaluation of Foods | 1 | Elective |
| \*ST 5254 | Animal Experimentation | 3 | Elective |