

# ANIMAL BIOTECHNOLOGIST

Animal Biotechnologists are responsible for researching how nutrients in feed and/or animal reproductive processes impact animal health. They then create methods for more efficient production using their research findings.

## WHAT RESPONSIBILITIES WILL I HAVE?

- Disseminate technical information to veterinarians or related animal health personnel
- Perform daily insemination, heat detection & schedule of the herd
- Maintain records of procedures, farm calls and emergencies
- Routine maintenance and sterilization of equipment and machinery
- Semen collection and processing semen orders
- Attend training programs and education workshops to ensure customer satisfaction
- On-farm training of personnel
- Analyze client needs & develop nutritional plans for animals
- Develop and test new feed supplements for farmers
- Assess new nutritional products and feed combinations
- Investigate nutritional disorders
- Write reports and give informational presentations regarding animal nutrition
- Customize ingredient blends and management programs
- Monitor feed formulations to meet standards and quality control regulations
- Evaluate chemical and nutritional value of feeds and feed supplements
- Coordinate research trials
- Initiate and support patent applications for securing new products
- Ensure health, safety and environmental procedures and regulations are put in place and followed
- Attend training when needed and coordinate training for the team
- Monitor laboratory analysis and assist when needed



## WHAT EDUCATION & TRAINING IS REQUIRED?

A master's degree in animal/poultry science or related major

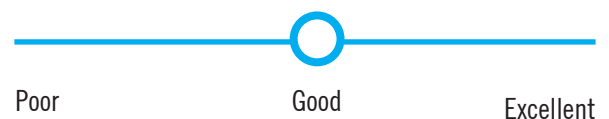
## THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, a focus on science (particularly earth science, chemistry, biology) and mathematics

## TYPICAL EMPLOYERS

Food production companies, contract growers with integrated production facilities, animal pharmaceutical companies, and university research farms; may also be self-employed

## FUTURE JOB MARKET/OUTLOOK



## SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- American Poultry Association
- American Society of Animal Science
- National Institute for Animal Agriculture

## AVERAGE ANNUAL FULL-TIME SALARY

\$53,000