

PACKAGING ENGINEER

Packaging Engineers design packaging materials for food, animal health care, and other agricultural products such as chemicals, pesticides, and seed.

WHAT RESPONSIBILITIES WILL I HAVE?

- Utilize computer and mechanical design tools to create packaging products
- Evaluate current packaging and create cost improvement strategies for both existing and new package designs
- Review preliminary production samples, and provide feedback to vendors on improvements
- Communicate and coordinate with internal creative graphic designers, industrial designers, product engineers, global and regional marketing stakeholders, creative agencies and vendors
- Knowledge of packaging and shipping test methods to assure packaging performance meets shipping stresses
- Leverage fundamental engineering, math, computer skills in the development of practical solutions to technical problems
- Execute packaging experiments and plant trials
- Be knowledgeable of packaging equipment/machinery capabilities and actively participates in equipment selection process and evaluation
- Write packaging and/or raw material portion of new, or revise existing finished product specifications
- Knowledge of food packaging principles, food industry quality and food safety requirements, ingredient performance and interactions with equipment, statistical process control, critical control points and new product scale up dynamics
- Inspect packages to determine if packaging meets customer specifications
- Ensure that finished product quality, food safety, and overall sanitation procedures and practices are meeting specification or standards
- Find ways to improve efficiency in the packaging process



WHAT EDUCATION & TRAINING IS REQUIRED?

Bachelor's degree in packing science, engineering, logistics, or food science

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, physics, computer courses, biology, mathematics

TYPICAL EMPLOYERS

Food, chemical, and seed production companies

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- Flexible Packaging Association
- Institute of Packaging Professionals
- National Food Processors Association

AVERAGE ANNUAL FULL-TIME SALARY

\$82,000