

BIOREFINING SPECIALIST

Biorefining specialists work to convert biomass into fuels, power and chemicals to create more sustainable solutions to fuel our planet.

WHAT RESPONSIBILITIES WILL I HAVE?

- Keep track of dried distillers grains, ethanol, corn oil, wet cake feed and distiller's syrup into trucks and rail cars brought in and out of plant
- Responsible for the operation of all plant processing equipment and performing routine maintenance in a highly automated chemical facility
- Oversee maintenance and cleaning of all equipment associated with the biorefining processes
- Maintain knowledge of the process flow, computerized equipment
- Maintain plant Occupational Health and Safety Administration (OSHA) guidelines
- Be aware of hazards associated with biorefining and ensure employees are properly trained in safety techniques and procedures
- Develop and execute efficient operating procedures
- Ensure quality of product being produced
- Identify needs to maintain production levels
- Meet with plant engineers regularly to ensure plant processing equipment is running properly and to look for ways to improve production
- Understand and execute standard operating procedures
- Ensure proper response during normal and abnormal operating situations
- Most biorefining plants operate 24 hours, 7 days a week; must be willing to work unexpected days or hours as problems arise
- Collect data for production reports



WHAT EDUCATION & TRAINING IS REQUIRED?

A Bachelor's degree in chemical or electrical engineering is required

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, computer courses, mathematics, chemistry

TYPICAL EMPLOYERS

Ethanol and other alternative energy companies

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- American Coalition for Ethanol
- Renewable Fuels Association
- National Biodiesel Board

AVERAGE ANNUAL FULL-TIME SALARY

\$40,000