

Outline for a two-day training module on Waste to Bioenergy, Biogas, and Compressed Biogas (CBG):

Day 1:

Session 1: Introduction to Bioenergy, Biogas, and CBG

- Definition of bioenergy, biogas, and CBG
- Benefits of bioenergy, biogas, and CBG
- Types of bioenergy, biogas, and CBG technologies

Session 2: Feedstock for Bioenergy and Biogas Production

- Types of feedstock suitable for bioenergy and biogas production
- Characteristics of suitable feedstock
- Collection and handling of feedstock

Session 3: Anaerobic Digestion Process

- Anaerobic digestion methods and techniques
- Factors influencing the anaerobic digestion process
- Monitoring and management of the anaerobic digestion process

Session 4: Biogas Quality Control and Testing

- Standards for biogas quality
- Testing and analysis methods
- Biogas certification

Session 5: Compressed Biogas (CBG) Production and Marketing

- Overview of CBG production and marketing
- Target markets and customers
- Branding and marketing strategies for CBG

Day 2:

Session 6: Biogas and CBG Equipment and Facilities

- Equipment for biogas and CBG production
- Infrastructure and facilities for biogas and CBG production
- Maintenance and repair of biogas and CBG equipment

Session 7: Business Planning for Biogas and CBG

- Key components of a biogas and CBG business plan
- Market analysis and feasibility studies
- Budgeting and financial management for biogas and CBG businesses

Session 8: Regulations and Permits

- Regulatory requirements for biogas and CBG businesses
- Permits and licenses needed for biogas and CBG businesses
- Compliance and reporting for biogas and CBG businesses

Session 9: Case Studies

- Successful biogas and CBG businesses from around the world
- Key strategies and outcomes

Session 10: Group Work

- Participants will be divided into groups to develop a biogas or CBG business plan

Session 11: Conclusion and Future Actions

- Recap of key points
- Discussion on next steps and how to apply the knowledge gained from the training

The training should also include site visits to biogas and CBG production facilities and discussions with experts to provide hands-on experience for the participants. Interactive activities, case studies, and group discussions should be included to encourage active participation and engagement of the participants.