

# MS in Sustainability

## Lumpkin College of Business and Technology



### *Energy Management Option*

Sustainability is a growing field with a variety of opportunities in sciences and humanities. Professionals in this field are tasked with the protection of the environment, being socially responsible, and ensuring profitability. With multiple online courses available, this program offers the flexibility to pursue a Master's degree around your busy schedule.

#### Academic Requirements (33 credits total)

##### Required Core Courses (18 credits):

|  |  |
|--|--|
| <i>CERE 5100</i>                                     | <i>Introduction to Sustainability</i>  |
| <i>GEO 5200</i>                                      | <i>Human Impact and the Environment</i>  |
| CMN/ENG 5260   | Science and Technical Communication  |
| PLS 4763   | Environmental Politics and Policy  |
| <hr/>  |  |
| <i>PLS 4793 or</i><br><i>TEC 5103</i>                | <i>Civic and Non-Profit Leadership</i><br><i>Leadership in Technology (online and F2F)</i>   |
| <hr/>  |  |
| <i>TEC 5143 or</i><br><i>PLS 5054 or</i><br>CMN 5040 | <i>Research in Technology (online and F2F)</i><br><i>Applied Research Methods in Public Policy</i><br>Communication Research Methods |

##### Energy Management Electives (15 credits) - Select 5:

|                  |  |
|------------------|--|
| TEC 5533         | Biomass Gasification and Renewable Energy              |
| PHY 5233         | Energy and the Environment                             |
| <i>BIO 5333</i>  | <i>Bioenergy and Bioresources</i>                      |
| CHM 5007         | Energy Chemistry                                       |
| <i>TEC 5133</i>  | <i>Total Quality Systems (online and F2F)</i>          |
| GEO 4850         | Environmental Geology                                  |
| <i>TEC 5173</i>  | <i>Global Technology (online and F2F)</i>              |
| <i>ECN 5410</i>  | <i>Introduction to the Economics of Sustainability</i> |
| CERE 5983        | Practicum  |
| <i>CERE 5953</i> | <i>Sustainability Research (online and F2F)</i>        |

\*Courses in *blue italics* are offered online

### Recommended Schedule of Classes

| First Semester                 |      | Second Semester                                      |   |
|--------------------------------|------|--|---|
| First Year                     |      |  |   |
| Course                         | Hrs. | Course   | H |
| CERE 5100                      | 3    | PLS 4763   | 3 |
| CMN/ENG 5260                   | 3    | Elective   | 3 |
| TEC 5143 <i>or</i><br>PLS 5044 | 3    | TEC 5143 <i>or</i><br>PLS 5054 <i>or</i><br>CMN 5040 | 3 |
| Total                          | 9    | Total  | 9 |
| Second Year                    |      |  |   |
| Course                         | Hrs  | Course   | H |
| GEO 5200                       | 3    | Elective   | 3 |
| Elective                       | 3    | Elective   | 3 |
| Elective                       | 3    |  |   |
| Total                          | 9    | Total  | 6 |

### Careers in Sustainability: *Energy Management*

Examples of positions for graduates include:

- Climate Change Analyst
- Supervisor of Production and Operations
- Sustainability Manager
- Sustainability Director
- Corporate Sustainability Specialist
- Sustainability Strategist
- Energy Consultant
- Campus Sustainability Officer