Program:	Marine Fisheries
Degree:	BS
Department:	Marine Biology
Contact Name:	Dr. Jaime Alvarado-Bremer
Contact Phone:	409-740-4750

Outcome	Investigative Skills
Marketable Skills	• Identifying problems related to marine life • Assessing risks • Defining expected/potential results • Capturing and characterizing representative samples • Locating marine fauna • Inspecting and identifying specimens • Cataloging information • Isolate and analyze DNA, RNA, and protein • Characterize genetic variation in marine organisms

Outcome	Research/Quantitative Skills
Marketable Skills	• Define problems • Apply scientific approach to problem solving • Designing experiments • Utilizing laboratory equipment and instrumentation • Using computers for computation/simulation • Conducting studies • Recording observations • Interpreting results • Utilizing statistical tests to predict outcomes • Preparing statistical reports

Outcome	Communicate effectively
Marketable Skills	• Write research proposals • Team work • Summarize research findings • Communicate biological research findings using scientific writing • Explain complex ideas for technical and nontechnical audiences • Designing charts, graphs and other visual aides • Report results and conclusions orally • Communicate new research findings to lay audiences • Communicate findings using models, charts, and graphs

Outcome	Analytical Skills
Marketable Skills	- Examining components of problems/ideas - Reasoning logically - Catergorizing data - Presenting alternative explanations - Design, conduct and interpret scientific research - Making projections from data - Organization ideas/information - Evaluating the effects of phenomena - Applying and interpreting statistical tests