

COMP 127: COMPOSITES TOOLING

This course covers the theory, application, and fabrication of tooling for manufacturing and assembly of composite products.

Course Student Learning Outcomes

1. Demonstrate the ability to fabricate a viable composite (FRP) mold according to industry standards from a supplied dimensional drawing.
2. Compare common fabrication techniques and the tooling required for each. Explain the benefits, drawbacks, and design requirements of each.
3. Explain how the Coefficient of Thermal Expansion (COE), Thermal Conductivity, Thermal Mass, and surface finish affect a mold's performance.

Credits: 5

Prerequisites: COMP 100, COMP 101, and COMP 121.

Program: [Advanced Manufacturing / Composites Technology](#)