



**BILLING RATES - FY 21/22**

**DEPARTMENT NAME :**

**Clemson Composites Center**

**VICE-PRESIDENT AREA :**

**CECAS**

| <b>DESCRIPTION OF<br/>COMMODITY OR SERVICE :</b> | <b>UNIT OF<br/>BILLING</b> | <b>FY 21/22<br/>RATE</b> | <b>CUSTOMERS BEING<br/>SERVED</b> |
|--|----------------------------|--------------------------|-----------------------------------|
| High Pressure RTM-Internal                       | \$/day                     | \$3,539.12               | Internal                          |
| High Pressure RTM-External                       | \$/day                     | \$4,069.99               | External                          |
| Wet Compression Molding-Internal                 | \$/day                     | \$3,539.12               | Internal                          |
| Wet Compression Molding-External                 | \$/day                     | \$4,069.99               | External                          |
| Thermofroming-Internal                           | \$/day                     | \$3,539.12               | Internal                          |
| Thermofroming-External                           | \$/day                     | \$4,069.99               | External                          |
| Compression Molding-Internal                     | \$/day                     | \$3,539.12               | Internal                          |
| Compression Molding-External                     | \$/day                     | \$4,069.99               | External                          |
| Injection Molding (1000 ton)-Internal            | \$/day                     | \$3,539.12               | Internal                          |
| Injection Molding (1000 ton)-External            | \$/day                     | \$4,069.99               | External                          |
| Extrusion-Internal                               | \$/day                     | \$2,108.29               | Internal                          |
| Extrusion-External                               | \$/day                     | \$2,500.00               | External                          |
| Injection Molding (30 ton)-Internal              | \$/day                     | \$2,003.07               | Internal                          |
| Injection Molding (30 ton)-External              | \$/day                     | \$2,500.00               | External                          |



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|--|----------------------------|--------------------------|-----------------------------------|
| Mechanical Testing-Internal                      | \$/hour                    | \$49.87                  | Internal                          |
| Mechanical Testing-External                      | \$/hour                    | \$75.00                  | External                          |
| Differential Scanning Calorimetry-Internal       | \$/unit                    | \$54.92                  | Internal                          |
| Differential Scanning Calorimetry-External       | \$/unit                    | \$75.00                  | External                          |
| Rheometer-Internal                               | \$/unit                    | \$53.36                  | Internal                          |
| Rheometer-External                               | \$/unit                    | \$75.00                  | External                          |
| Rotary Batch Testing                             | \$/day                     | \$3,900.00               | Internal                          |
| Rotary Batch Set-up and tear down                | \$/set-up                  | \$2,000.00               | External                          |
| Rotary Batch Testing                             | \$/day                     | \$3,900.00               | Internal                          |
| Rotary Batch Set-up and tear down                | \$/set-up                  | \$2,000.00               | External                          |
| Technician (only for the following testing):     | \$/hour                    | \$54.50                  |                                   |
| -Extrusion                                       |                            |                          |                                   |
| -Injection Molding                               |                            |                          |                                   |
| -Mechanical Testing                              |                            |                          |                                   |
| -Differential Scanning Calorimetry               |                            |                          |                                   |
| -Rheometer                                       |                            |                          |                                   |



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|--|----------------------------|--------------------------|-----------------------------------|
| Engineer   | \$/hour                    | \$72.67                  | Internal                          |
| Engineer   | \$/hour                    | \$87.20                  | External                          |
| Graduate Student (without GAD)                   | \$/hour                    | \$30.55                  | Internal                          |
| Graduate Student (without GAD)                   | \$/hour                    | \$36.66                  | External                          |
| Graduate Student (with GAD)                      | \$/hour                    | \$47.82                  | Internal                          |
| Graduate Student (with GAD)                      | \$/hour                    | \$57.38                  | External                          |
| Research Assistant                               | \$/hour                    | \$36.33                  | Internal                          |
| Research Assistant                               | \$/hour                    | \$43.60                  | External                          |
| Technician                                       | \$/hour                    | \$47.23                  | Internal                          |
| Technician                                       | \$/hour                    | \$56.68                  | External                          |
| Project Coordinator                              | \$/hour                    | \$42.15                  | Internal                          |
| Project Coordinator                              | \$/hour                    | \$50.58                  | External                          |
| Wet Chemical Lab Fee                             | \$/day                     | \$131.29                 | Internal                          |
| Wet Chemical Lab Fee                             | \$/day                     | \$200.00                 | External                          |
| Cutting Table                                    | \$/day                     | \$1,585.59               | Internal                          |



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|--|----------------------------|--------------------------|-----------------------------------|
| Cutting Table                                    | \$/day                     | \$2,000.00               | External                          |
| Filament Maker                                   | \$/day                     | \$195.60                 | Internal                          |
| Filament Maker                                   | \$/day                     | \$300.00                 | External                          |
| Plastic Shredder                                 | \$/day                     | \$106.24                 | Internal                          |
| Plastic Shredder                                 | \$/day                     | \$150.00                 | External                          |
| Pellet Dryer                                     | \$/day                     | \$63.84                  | Internal                          |
| Pellet Dryer                                     | \$/day                     | \$100.00                 | External                          |
| Vacuum Downdraft Table                           | \$/day                     | \$230.00                 | Internal                          |
| Vacuum Downdraft Table                           | \$/day                     | \$300.00                 | External                          |
| Accelerated Ageing Equipment                     | \$/day                     | \$254.55                 | Internal                          |
| Accelerated Ageing Equipment                     | \$/day                     | \$300.00                 | External                          |