

# Rowan Chemical Engineering (CHE) Equipment List

## Rowan Hall 301

- Advanced Instruments 3MO Osmometer
- Bear A 1204 Water Distiller
- Extech DCP80 Power Supply, 60 V, 10 A
- Gibco PRL Cell Porator Electroporator
- Glassman EW40P15/0Y15 Power Supply, 40 kV
- Grass Instruments S44F Stimulator (2X)
- Hakko 941 Soldering Station
- Kentech HQPS Nanosecond Pulse Generator, High Voltage
- Kernco Microscope, Side-view for Contact Angle
- Keysight DSOX1102G Oscilloscope, 100 MHz
- Keysight Infiniium 54820A Oscilloscope, 500 MHz
- Luminus DK-114N-1 LED, High Power
- Nova Scan PSD-UV UV Ozone Chamber
- Pixelink PL-D752MU-T Camera, High-speed CMOS
- SCS Antistatic Station
- Tektronix P6015 High Voltage Oscilloscope Probe
- VWR Freezer, -20 degC
- VWR Microscope, Stereo Zoom

## Rowan Hall 302

- Eppendorf U410 HEF Ultralow Freezer, -80 degC
- Heidolph-Tuttnauer 3850EL Autoclave

## Rowan Hall 303

- Argos Handevac Microvacuum Manifold
- Corning Lambda Plus 12-Channels Multipipettors
- Corning Lambda Plus Single Channels Micropipettors
- Corning LSE Microcentrifuge
- Fisher Scientific IsoTemp 110 Water Bath
- Kenmore Refrigerator
- Labconco Logic+ A2 Biosafety Cabinets (2X)
- Lieder MI500 Microscope, Phase Contrast
- Sper Ultrasonic Bath
- ThermoScientific HeraCell VIOS 160i Incubator, CO2
- ThermoScientific HeraCell VIOS 160i TriGas Incubator, CO2/O2
- VWR Miniarray Centrifuge Microcentrifuge for Slides
- VWR Symphony Basic Minishaker Vortex Mixer

### **Rowan Hall 304**

- Agilent UV/Vis spectrometer
- Attension Theta Pendant drop Tensiometer
- Beckman Allegra X13r centrifuge
- Harvard Apparatus syringe pumps PhD ultra
- Nikon Diaphot inverted microscope
- Nikon TS100 microscope
- Phantom Miro High Speed Camera
- Sartorius Arium Mini Plus Ultrapure Water System
- Sutter capillary puller
- Thorlabs/Olympus inverted confocal microscope system
- Tip ultrasonicator

### **Rowan Hall 338**

- EMD Millipore Pelican XL Labscale TFF Cross-flow UF/MF (Ultrafiltration/Microfiltration) Membrane Test Unit
- Eppendorf Research plus 0.5-5mL Micropipette
- Hach Drb 200 Thermostat, COD (Chemical Oxygen Demand) Reactor Block Analyzer
- Hach TL2300 Turbidimeter
- Leica Camera Auto Abbe Refractometer 10500-802
- Liston Model A1204 Water Distiller
- Milton Roy Spectronic 21D UV-Visible Spectrophotometer
- New Logic Research, Inc. VSEP Series L Vibratory Membrane System
- Oakton Con 510 Conductivity Meter
- Sartorius DI Arium Mini Water Distiller
- Thermo Fisher Scientific Orion 720A pH meter

### **Rowan Hall 344**

- Aqua Whisper Reverse Osmosis Unit
- Four small scale Reverse Osmosis Units
- Gas Permeation Membrane System
- Hampden Fluid Circuit Demonstration Unit
- Plate-and-Frame Filter Press
- PowerFlex Ultra Filtration Unit
- QVF Packed Tower Absorption System
- QVF Computer-Controlled Sieve Tray Distillation Column
- Two small mixing tanks
- Two V-Mixing units

### **South Jersey Technology Park Labs**

- Carver Hot Press
- Formlabs Form 2 SLA 3D Printers
- Grace Reveleris (R) X2 Flash Chromatography System
- HORIBA XploRA (TM) Raman Spectrometer with Olympus BX41 Microscope
- Instron 4442
- TA Instruments Differential Scanning Calorimeter 2500
- TA Instruments Discovery Hybrid Rheometer DHR-2
- TA Instruments Dynamic Mechanical Analyzer Q800
- TA Instruments Thermogravimetric Analyzer 550
- Thermo Scientific (TM) Nicolet (TM) 6700 FTIR
- Thermo Scientific (TM) Nicolet (TM) iS (TM) 50 FTIR
- Waters ACQUITY Advanced Polymer Chromatography System
- Waters Gel Permeation Chromatography System