

## Equipment Charges Flinders University College of Science and Engineering

Prices listed are for Flinders staff and students only, for external work please contact [CSE.CAServices@flinders.edu.au](mailto:CSE.CAServices@flinders.edu.au) for a quote.

### NOTE:

\* In order to book and use the instrumentation users first need to be trained. Please contact the email address listed to schedule an appropriate time.

† The majority of the consumables listed as user provided are available from the college store, these are included with full-service option.

‡ Pricing is under review

### Equipment Suite: Spectroscopy / Electrochemistry

Instrument	Location	Self-service* (\$/hr)	Full Service (\$/hr)	Consumables Provided†	Consumables User Provided†	Training Contact
Fluorescence Spectrophotometer Varian Cary Eclipse	Physical Sciences 224	10	N/A	-	Cuvettes Solvents	<a href="#">Julie Bails</a>
FTIR Perkin Elmer Spectrum 100	Physical Sciences 236	10	N/A	KBr Nujol Salt Discs		<a href="#">Julie Bails</a>
FTIR Perkin Elmer Spectrum 400	Physical Sciences 224	10	N/A	KBr Nujol Salt Discs		<a href="#">Julie Bails</a>
FTIR Thermo Summit	Physical Sciences 238	10	N/A	KBr Nujol Salt Discs		<a href="#">Julie Bails</a>
FTIR-microscope Nicolet iN10MX	Physical Sciences 224	10	N/A	Liquid Nitrogen		<a href="#">Julie Bails</a>
Particle sizer / zeta potential analyser Malvern Nanosizer	Physical Sciences 236	10	N/A	-	Cuvettes Zeta Potential Cells	<a href="#">Julie Bails</a>
Raman Delta Nu 633 (liquids)	Physical Sciences 224	10	N/A	Glass Vials		<a href="#">Julie Bails</a>
UV-Vis Cary 50	Physical Sciences 236	10	N/A	-	Cuvettes Solvents	<a href="#">Julie Bails</a>
UV-Vis Cary 60	Physical Sciences 224	10	N/A	-	Cuvettes Solvents	<a href="#">Julie Bails</a>
UV-Vis-NIR Perkin Elmer Lambda 950 with 150 mm integrating sphere	Physical Sciences 224	10	N/A	-	Cuvettes Solvents	<a href="#">Julie Bails</a>

**Equipment Suite: Elemental Analysis**

Instrument	Location	Self-service* (\$/hr)	Full Service (\$/hr)	Consumables Provided <sup>†</sup>	Consumables User Provided <sup>†</sup>	Training Contact
Nutrient analyser FIA Star 5000 (NOx, NH4, PO3)	Health Sciences 5.41	20	60	All reagents including standards, sample tubes, syringe filters, syringes, glassware, lab facilities & infrastructure (centrifuge, autoclave, balance etc.)	Specific sample collection and processing requirements/instruments such as microbial filters and assembly, reagent additions	<a href="#">Raj Indela</a>
Skalar San++ nutrient analyser (NOx NH4 PO3)	Health Sciences 5.36	20	60	All reagents including standards, sample tubes, syringe filters, syringes, glassware, lab facilities & infrastructure (centrifuge, autoclave, balance etc.)	Specific sample collection and processing requirements/instruments such as microbial filters and assembly, reagent additions	<a href="#">Raj Indela</a>
AAS GBC Savant	Physical Sciences 226	20	N/A	-		<a href="#">Julie Bails</a>
AAS GBC Savant with auto sampler	Health Sciences 5.36	20	60	All reagents including standards, sample tubes, syringe filters, syringes, glassware, lab facilities & infrastructure (centrifuge, autoclave, balance etc.)	Specific sample collection and processing requirements/instruments such as microbial filters and assembly, reagent additions	<a href="#">Raj Indela</a>
TOC Shimadzu total organic carbon analyser (liquids and solids)	Health Sciences 5.36	20	60	All reagents including standards, sample tubes, syringe filters, syringes, glassware, lab facilities & infrastructure (centrifuge, autoclave, balance etc.)	Specific sample collection and processing requirements/instruments such as microbial filters and assembly, reagent additions	<a href="#">Raj Indela</a>
Water toxicity analyser Microtox model 500	Health Sciences 5.36	20	60	All reagents including standards, sample tubes, syringe filters, syringes, glassware, lab facilities & infrastructure (centrifuge, autoclave, balance etc.)	Specific sample collection and processing requirements/instruments such as microbial filters and assembly, reagent additions	<a href="#">Raj Indela</a>
ICPMS Perkin Elmer Nexion 350D	Physical Sciences 108	45 <sup>†</sup>	70 <sup>†</sup>	Elemental Standards Seastar Trace grade Nitric Seastar Trace grade Hydrochloric acid	Grenier Centrifuge tubes 50 mL Grenier Centrifuge tubes 15 mL Syringes Syringe Filters	<a href="#">Flinders Analytical</a>
ICPOES Perkin Elmer Optima 8000	Physical Sciences 108	40 <sup>†</sup>	60 <sup>†</sup>	Elemental Standards Seastar Trace grade Nitric Seastar Trace grade Hydrochloric acid	Grenier Centrifuge tubes 50 mL Grenier Centrifuge tubes 15 mL Syringes Syringe Filters	<a href="#">Flinders Analytical</a>
Parr Isoperibol Bomb Calorimeter	Physical Sciences 109	10 /day	65	Nickel Fuse Wire Benzoic Acid		<a href="#">Flinders Analytical</a>

### Equipment Suite: Direct Mass Spectrometry

Instrument	Location	Self-service* (\$/hr)	Full Service (\$/hr)	Consumables Provided <sup>†</sup>	Consumables User Provided <sup>†</sup>	Training Contact
Waters Synapt HDMS	Physical Sciences 110	40	80	Formic acid Sodium Hydroxide Sodium Iodide	1.5 mL Vials Solvents Syringes Syringe Filters	<a href="#">Flinders Analytical</a>
MALDI-TOF Bruker Autoflex III Smartbeam	Physical Sciences 110	30	80	Some MALDI Matrices	Solvents Centrifuge Tubes	<a href="#">Flinders Analytical</a>
Perkin Elmer Axion 2 TOF DSA	Physical Sciences 110	40	80	DSA Mesh Screen Agilent APCI Tune Mix	1.5 mL Vials Solvents	<a href="#">Flinders Analytical</a>

### Equipment Suite: Gas Chromatography

Instrument	Location	Self-service* (\$/hr)	Full Service (\$/hr)	Consumables Provided <sup>†</sup>	Consumables User Provided <sup>†</sup>	Training Contact
GCMS Agilent 7890/5975	Physical Sciences 226	20	N/A	-	1.5 mL Vials Solvents Syringes Syringe Filters	<a href="#">Julie Bails</a>
GCMS Agilent 7890A/5975C	Physical Sciences 109	20	40	37 FAME mix standard	1.5 mL Vials Solvents Syringes Syringe Filters	<a href="#">Flinders Analytical</a>
Pyrolysis GCMS Agilent 790B/5977	Physical Sciences 226	20	N/A	-	1.5 mL Vials Solvents Syringes Syringe Filters	<a href="#">Julie Bails</a>
GC FID Agilent 6850	Physical Sciences 226	20	N/A	-	1.5 mL Vials Solvents Syringes Syringe Filters	<a href="#">Julie Bails</a>
GC FID Agilent 8860	Physical Sciences 226	20	N/A	-	1.5 mL Vials Solvents Syringes Syringe Filters	<a href="#">Julie Bails</a>
GCMS Perkin Elmer Clarus	Physical Sciences 109	20	N/A	-	1.5 mL Vials Solvents Syringes Syringe Filters	<a href="#">Flinders Analytical</a>

**Equipment Suite: Liquid Chromatography**

Instrument	Location	Self-service* (\$/hr)	Full Service (\$/hr)	Consumables Provided <sup>†</sup>	Consumables User Provided <sup>†</sup>	Training Contact
HPLC Agilent 1200	Physical Sciences 224	20	N/A	-	1.5 mL Vials Solvents/buffers Syringes Syringe Filters Filters	<a href="#">Julie Bails</a>
HPLC Shimadzu	Physical Sciences 226	20	N/A	-	1.5 mL Vials Solvents/buffers Syringes Syringe Filters Filters	<a href="#">Julie Bails</a>
UPLC Waters Acquity	Physical Sciences 110	25	45	Pre-slit vial screw caps Formic Acid	1.5 mL Vials Solvents/buffers Syringes Syringe Filters Filters	<a href="#">Flinders Analytical</a>
GPC Shimadzu Prominence	Physical Sciences 110	20	N/A	-	1.5 mL Vials Solvents/buffers Syringes Syringe Filters Filters	<a href="#">Flinders Analytical</a>
IC Dionex ICS1500 Ion Chromatograph	Physical Sciences 224	20	N/A	-	Sample tubes Solvents/buffers Syringes Syringe Filters Filters	<a href="#">Julie Bails</a>
IC Metrohm 883 plus Ion Chromatograph	Health Sciences 5.36	20	60	All reagents including standards, sample tubes, syringe filters, syringes, glassware, lab facilities & infrastructure (centrifuge, autoclave, balance etc.)	Specific sample collection and processing requirements/instruments such as microbial filters and assembly, reagent additions	<a href="#">Raj Indela</a>
LCMS Thermo Single quadrupole	Physical Sciences 224	20	N/A	-	1.5 mL Vials Solvents Syringes Syringe Filters Filters	<a href="#">Julie Bails</a>

## Equipment Suite: **Isotope**

Instrument	Location	Self-service* (\$/hr)	Full Service (\$/hr)	Consumables Provided <sup>†</sup>	Consumables User Provided <sup>†</sup>	Training Contact
WIA Picarro L2130 Water Isotope Analyser	Physical Sciences 110	5	10	Water isotope standards	1.5 mL Vials Syringes Syringe Filters	<a href="#">Flinders Analytical</a>
% C and N Elementar Vario Isotope Cube	Physical Sciences 110	25 <sup>‡</sup>	50	Tin Capsules Isotope Standards Antistatic spatulas		<a href="#">Flinders Analytical</a>
IRMS GV Instruments	Physical Sciences 110	25 <sup>‡</sup>	50	Tin Capsules Isotope Standards Antistatic spatulas		<a href="#">Flinders Analytical</a>

## Equipment Suite: **Nuclear Magnetic Spectroscopy**

**Note:** For the NMR Suite there is an annual cap of \$2000 for small research groups and \$4000 for large research groups.

Instrument	Location	Self-service* (\$/hr)	Full Service (\$/hr)	Consumables Provided <sup>†</sup>	Consumables User Provided <sup>†</sup>	Training Contact
NMR 400 MHz	Physical Sciences 244	10	Contact Martin for a quote	-	NMR tubes Deuterated Solvents	<a href="#">Martin Johnston</a>
NMR 600 MHz	Physical Sciences 242	10	Contact Martin for a quote	-	NMR tubes Deuterated Solvents	<a href="#">Martin Johnston</a>
NMR Benchtop 60 MHz	Physical Sciences 230	10	Contact Martin for a quote	-	NMR tubes Deuterated Solvents	<a href="#">Martin Johnston</a>