

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 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	Julie Bails
FTIR Perkin Elmer Spectrum 100	Physical Sciences 236	10	N/A	KBr Nujol Salt Discs		Julie Bails
FTIR Perkin Elmer Spectrum 400	Physical Sciences 224	10	N/A	KBr Nujol Salt Discs		Julie Bails
FTIR Thermo Summit	Physical Sciences 238	10	N/A	KBr Nujol Salt Discs		Julie Bails
FTIR-microscope Nicolet iN10MX	Physical Sciences 224	10	N/A	Liquid Nitrogen		Julie Bails
Particle sizer / zeta potential analyser Malvern Nanosizer	Physical Sciences 236	10	N/A	-	Cuvettes Zeta Potential Cells	Julie Bails
Raman Delta Nu 633 (liquids)	Physical Sciences 224	10	N/A	Glass Vials		Julie Bails
UV-Vis Cary 50	Physical Sciences 236	10	N/A	-	Cuvettes Solvents	Julie Bails
UV-Vis Cary 60	Physical Sciences 224	10	N/A	-	Cuvettes Solvents	Julie Bails
UV-Vis-NIR Perkin Elmer Lambda 950 with 150 mm integrating sphere	Physical Sciences 224	10	N/A	-	Cuvettes Solvents	Julie Bails

Equipment Suite: Elemental Analysis

Instrument	Location	Self-service* (\$/hr)	Full Service (\$/hr)	Consumables Provided [†]	Consumables User Provided [†]	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	Raj Indela
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	Raj Indela
AAS GBC Savant	Physical Sciences 226	20	N/A	-		Julie Bails
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	Raj Indela
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	Raj Indela
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	Raj Indela
ICPMS Perkin Elmer Nexion 350D	Physical Sciences 108	45 [†]	70 [†]	Elemental Standards Seastar Trace grade Nitric Seastar Trace grade Hydrochloric acid	Grenier Centrifuge tubes 50 mL Grenier Centrifuge tubes 15 mL Syringes Syringe Filters	Flinders Analytical
ICPOES Perkin Elmer Optima 8000	Physical Sciences 108	40 [†]	60 [†]	Elemental Standards Seastar Trace grade Nitric Seastar Trace grade Hydrochloric acid	Grenier Centrifuge tubes 50 mL Grenier Centrifuge tubes 15 mL Syringes Syringe Filters	Flinders Analytical
Parr Isoperibol Bomb Calorimeter	Physical Sciences 109	10 /day	65	Nickel Fuse Wire Benzoic Acid		Flinders Analytical

Equipment Suite: **Direct Mass Spectrometry**

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

Equipment Suite: **Gas Chromatography**

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

Equipment Suite: **Liquid Chromatography**

Instrument	Location	Self-service* (\$/hr)	Full Service (\$/hr)	Consumables Provided [†]	Consumables User Provided [†]	Training Contact
HPLC Agilent 1200	Physical Sciences 224	20	N/A	-	1.5 mL Vials Solvents/buffers Syringes Syringe Filters Filters	Julie Bails
HPLC Shimadzu	Physical Sciences 226	20	N/A	-	1.5 mL Vials Solvents/buffers Syringes Syringe Filters Filters	Julie Bails
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	Flinders Analytical
GPC Shimadzu Prominence	Physical Sciences 110	20	N/A	-	1.5 mL Vials Solvents/buffers Syringes Syringe Filters Filters	Flinders Analytical
IC Dionex ICS1500 Ion Chromatograph	Physical Sciences 224	20	N/A	-	Sample tubes Solvents/buffers Syringes Syringe Filters Filters	Julie Bails
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	Raj Indela
LCMS Thermo Single quadrupole	Physical Sciences 224	20	N/A	-	1.5 mL Vials Solvents Syringes Syringe Filters Filters	Julie Bails

Equipment Suite: **Isotope**

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

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 [†]	Consumables User Provided [†]	Training Contact
NMR 400 MHz	Physical Sciences 244	10	Contact Martin for a quote	-	NMR tubes Deuterated Solvents	Martin Johnston
NMR 600 MHz	Physical Sciences 242	10	Contact Martin for a quote	-	NMR tubes Deuterated Solvents	Martin Johnston
NMR Benchtop 60 MHz	Physical Sciences 230	10	Contact Martin for a quote	-	NMR tubes Deuterated Solvents	Martin Johnston

Equipment Suite: **Vehicles and Boats**

Motor Vehicles	Cost for use (\$/day)	Contact
Specialist 4WD's	50	CSE Store
Boats	Cost for use (\$/day)	Contact
RV Polycraft	100	Matt Lloyd
RV Tethys	150	Matt Lloyd
RV Tom Thumb	150	Matt Lloyd