



CCUR Services, Equipment, and Facilities Fee Schedule

CCUR has 35,000 square feet of pilot plant processing and support space available for wet processing, dry processing, fermentation and product recovery, hazardous solvents extraction, industrial product development, food preparation, and consumer and sensory testing.

Services¹

All charges are based on days of equipment usage, cost of supplies and materials and need for equipment operators.

On-Campus No Charge

Off-Campus

Soy protein concentration (acid washed, 15 kg soy meal).....	\$2,542.00
Soy protein isolation (15 kg soy meal).....	3,825.00
Wet corn milling (20 kg corn for products only).....	2,400.00
Wet corn milling (1 kg corn for products only).....	600.00
Wet corn milling (100 g corn for products only).....	300.00
Wet corn milling (100 g corn for products and mass balance)	400.00
Feed-grade soybean extraction (1 bu soybeans).....	2,100.00
Food-grade soybean extraction (1 bu soybeans).....	2,400.00

Assistance Fees¹

On-Campus

Manager assistance (per hour).....	\$37.63
Student equipment operator (per hour).....	10.00

Off-Campus

Manager assistance (per hour).....	\$56.69
Student equipment operator (per hour).....	15.00

Facilities¹

Industry Incubator Space²

Pilot plant (per sq. ft., per year).....	\$29.25
Laboratory (typically 440 sq. ft.) (per sq. ft., per year).....	26.60
Office (typically 120 sq. ft.) (per sq. ft., per year).....	21.95

Technology Transfer Theatre (non-CCUR affiliated members)

Up to four hours.....	\$25.00
Full day.....	50.00
Additional services (base charge for first hour).....	50.00
Additional services per hour.....	35.00
Test kitchen and sensory labs (per day).....	\$150.00

Equipment Available^{1,3}

Aspirators

Cascade aspirator, Kice.....	\$33.00
Small aspirator, Carter-Day	3.00

Centrifuges

Separator-type disc continuous (BPTX 205), Alfa-Laval.....	323.00
Three-phase horizontal-decanter-continuous, Centrisys	485.00

Conveyors

Mobile screw grain conveyor, Flexifeeder	7.50
Tempering conveyor.....	16.50

Dryers

Mini dryer drum.....	98.00
Mini solvent spray dryer, Buchi.....	298.00
Spinning-disk atomizer feed spray dryer, APV Crepaco Inc.	316.50
Tray dryer, National Dryer Machine	277.50

Evaporators

Single-effect evaporator, C.E. Rogers	48.00
Swept surface, thin film evaporator, Pfaudler	492.00

Extractors

Extractor simulator, French Oil Mill Machinery.....	390.00
Immersion extractor, Crown.....	331.50
Percolation chain extractor, Crown.....	234.00

Extruders

Autogenous extruder with cutter, Insta-Pro.....	82.50
Cooker extruder/expander with oil cage, Anderson International....	135.00
Single or twin-screw extruder (plastics), Brabender	253.50
Twin-screw extruder, Leistritz	253.50

Feeders

Variable speed feeder, Nelson	6.00
Variable speed feeder, Vibra Screw Corp.	19.50

Filters

Rotary vacuum drum filter, Filtration Engineers.....	132.00
Vertical plate filter with horizontal plate, Industrial Filter	15.00

Hydroclones

Germ hydroclone, Dorr Oliver	10.00
Starch-gluten hydroclone, Dorr-Oliver	10.00

Jet Cookers

Hydro-therm hydroheater jet cooker with pump	117.00
Jet cooker, Pick	40.00

Kettles

10-gal oil refining and bleaching kettle	33.00
Variable-speed twin-agitator heated kettle, Groen	46.50

Mills

12-inch disc mill, Andritz Sprou-Bauer.....	57.00
Cracking roller mill, Blount Ferrell-Ross	33.00
Cutting roller mill, Blount Ferrell-Ross Lapage	33.00
Colloid mill, Chemicolloid Labs	36.00
Disc mill, Glen Mills	28.50

Dry-corn milling system, Witt Corrugation	60.00
Flaking roller mill, Roskamp.....	18.00
Hammer mill, Horvick Manufacturing.....	10.50
Impact mill, Entoleter.....	63.00
Impact mills (comminuting), Fitzpatrick	160.50
Microcut grinder, Stephan Machinery Corp.	52.50
Pellet mill, California Pellet Mill	78.00
Plastic pellet pelletizer, Brabender.....	25.50
Turbo/pin mill, Bauermeister	262.50
Ultra-centrifugal mill, Retsch.....	33.00

Mixers

Mixer and lifting cart, Lightnin Mixer	16.50
Planetary food mixer (SM402NA), Doyon	30.00
Ribbon mixer, Rapids Machinery.....	42.00
Variable-speed gear batch mixer, Mixco.....	4.50

Presses

2-ton hydraulic press, (compression molding), Wabash.....	40.50
150-ton press, (compression molding), Wabash	163.50
Cheese press, Tippen	6.00
Cider press, Day Equipment.....	27.00
Vegetable pulper, F.H. Langson Kamp	4.00

Pumps

Centrifugal pump, Mobile	9.00
Explosion-proof lobe pump, Waukesha	33.00
Sanitary-rotary-vane high-pressure pump, North Carolina SRT	33.00
6-16 gpm rotary lobe pump, Waukesha.....	22.00
1-5 gpm Moyno pump, Robbins/Myers.....	37.50
1-9 gpm sanitary Moyno pump, Robbins/Myers	30.00

Scales

125 lb-max bench scale, Avery Weigh-Tronix.....	3.00
Deck scale, Avery Weigh-Tronix.....	21.00
Mobile platform deck scale, Avery Weigh-Tronix	21.00

Screens

Oscillating separatory screen, Sweco	10.50
Vibrating screen, Prater.....	22.50

Screw Presses

Machinery screw press, Hander Oil.....	49.00
Screw press, Komet	16.50

Tanks

50-gal mobile tank with agitator, St. Regis.....	16.50
50-gal mobile jacketed tank with agitator, Cherry Burrell.....	9.00
50-gal mobile tank with agitator	16.50
70-gal jacketed feed tank, Process Storage	15.00
70-gal stainless steel tank	15.00
80-gal stainless tank with air and electric mixer, Walker	102.00
200-gal stainless tank with variable speed mixer, Walker	75.00

Other Equipment

Blancher, vegetable, Dixie Canner Equipment	4.00
Boiler, Lattner culinary steam boiler.....	33.00