



Approved 29 June 2016 by Prof. Paul Laibinis

Semester 1	Course	Hrs
CHEM 1601, 1601L (102A, 104A)	General Chemistry & Lab	4
ES 1401, 1402, 1403 (140A,B,C)	Intro to Engineering	3
MATH 1300 (155A)	Acc Single-Var Calculus I	4
	LAC	3
	Vanderbilt Visions	0
	total hours	14

Semester 2	Course	Hrs
CHEM 1601, 1601L (102A, 104A)	General Chemistry & Lab	4
CS 1103 (103)	Intro Prog for Eng & Sci	3
MATH 1301 (155B)	Accel Single-Var Calc II	4
PHYS 1601, 1601L (116A, 118A)	General Physics I & Lab	4
	total hours	15

Semester 3	Course	Hrs
CHBE 2100 (161)	Chem Process Principles	3
CHEM 2221, 2221L (220A, 219A)	Organic Chemistry & Lab	4
MATH 2300 (175)	Multivariable Calculus	3
PHYS 1602, 1602L (116B, 118B)	General Physics II & Lab	4
	LAC	3
	total hours	17

Semester 4	Course	Hrs
CHBE 2200 (162)	ChE Thermodynamics	3
CHEM 2222, 2222L (220B, 219B)	Organic Chemistry & Lab	4
CHBE 2250 (180)	Modeling & Sim In ChE	3
MATH 2420 (198)	Methods of Ord Diff Eqs	3
	LAC	3
	total hours	16

Semester 5	Course	Hrs
CHEM 3300 (230)*	Physical Chemistry*	3
CHBE 2150 (220)	Molecular & Cell Bio for Eng	3
CHBE 3200 (223)	Phase Equil & Staged Sep	3
CHBE 3300 (230)	Fluid Mech&Heat Transfer	3
	LAC	3
	total hours	15

Semester 6	at U. Melbourne	Hrs
CHEN 30005 (CHBE 3350 for 3 hrs, CHBE 2000 for 1 hr)	Heat & Mass Transp Proc	4
CHEN 30001 (CHBE 3250 for 3 hrs, CHBE 2000 for 1 hr)	Reactor Engineering	4
CHBE nnnn	Program elective	3
	LAC	3
	Open elective	3
	total hours	17

Semester 7	Course	Hrs
CHBE 4900W (229W)	Chem Engineering Lab II	3
CHBE 4950W (233W)	ChE Process & Product Design	4
	Program elective	3
CHBE 4959 (297)	Sr Engr Design Seminar	1
	Technical elective	3
	Open elective	2
	total hours	16

Semester 8	Course	Hrs
CHBE 3600 (242)	Chemical Process Control	3
CHBE 3900W (228W)	Chem Engineering Lab I	4
CHBE 4951W (234W)	Chem Engr Design Proj	3
	Technical elective	3
	LAC	3
	total hours	16

**total hours = 126**

\*One of the following must be taken: BSCI 2201 Cell Biology, BSCI 2520 Biochemistry, or CHEM 3300 Physical Chemistry

*This curriculum plan is a guide that follows the chemical engineering degree requirements as of summer 2016. It is NOT authoritative. The Undergraduate Catalog is the authoritative document regarding degree requirements. Students considering studying abroad should consult the catalog and discuss their plans with their academic advisers.*