

**Chemical Engineering – Co-Op Option #1
2003-2004**

Name: _____ SSN: _____ Phone: _____

New to OSU: _____ email: _____@osu.edu

YEAR	AUTUMN	WINTER	SPRING	SUMMER
1	Math 151 (Calc & Analyc Geom) 5 _____ Chem 121 (Gen Chem)..... 5 _____ English 110 5 _____	Math 152(Calc & Analyc Geom) 5 _____ Chem 122 (Gen Chem) 5 _____ Engineer 181 (Intro to Engr I) 3 _____ GEC 5 _____	Math 153 (Calc & Analyc Geom) 5 _____ Chem 123 (Gen Chem) 5 _____ En Graph 167 (Prob Slv Prog Engr) OR CIS 202 (Prog & Alghms for Engrs) 4 _____ Engineer 183 (Intro to Engr II)..... 3 _____	
2	Chem 251 (Organic Chem)..... 3 _____ Chem Eng 200 (Mass Balances) .. 3 _____ Math 254 (Calc & Analyc Geom)..... 5 _____ Physics 131 (Partcls & Motion)..... 5 _____	Chem 252 (Organic Chem) 3 _____ Chem Eng 201 (Energy Balances) 3 _____ Math 415 (Ord & Part Diff Equ)..... 4 _____ Physics 132 (Electrcy & Magnism) 5 _____	Chem 253 ^{††} (Organic Chem) 3 _____ Chem Eng 420 (Momentum Trans)4 _____ Physics 133 (Elctrdynmc & Quant) . 5 _____ Chem 254 (Organic Chem Lab) 3 _____	Co-Op (Chem Eng 489).....2 _____
3	Chem 530 (Physical Chem) 3 _____ Chem Eng 508 (Thermo I)..... 3 _____ Chem Eng 521 (Heat Transport).. 3 _____ GEC 5 _____	Chem 531 (Physical Chem) 3 _____ Chem Eng 509 (Thermo II)..... 3 _____ Chem Eng 522 (Mass Transport). 3 _____ GEC 5 _____	Co-Op (Chem Eng 489).....2 _____	
4*	Mech Eng 410 (Statics) or Elec Eng 300 (Circuits) 4/3 _____ Chem 541 (Physical Chem Lab) 3 _____ GEC 5 _____ GEC 5 _____	Co-Op (Chem Eng 489).....2 _____	Chem 532^{††} (Physical Chem)..... 3 _____ Chem Eng 610 (Kinetics)..... 4 _____ Chem Eng 523 (Unit Operations). 4 _____ Chem Eng 750 (Profession) 1 _____	Chem Eng 630 (Unit Operations Lab (or CO-OP)
5	Chem Eng 624 (Process Control) 4 _____ Chem Eng 760 (Econ & Strategy) 4 _____ GEC 5 _____ Tech Elec 3 _____	Chem Eng 764 (Process Design) 4 _____ Tech Elec 3 _____ Tech Elec 3 _____ GEC 5 _____	Chem Eng 762 (Process Devel).. 4 _____ Tech Elec 3 _____ Tech Elec 3 _____ Tech Elec 3 _____	(Chem Eng 630)

Students successfully completing Chem Eng 489 – Professional Practice in Industry while on co-op will automatically be eligible for the department's Dow Corning Co-Op Award.

* In year 4, Autumn and Winter Quarters are interchangeable

Key to Abbreviations

GEC – General Education Curriculum Course

Tech Elec – Required courses in from approved departmental listing (available in KL 314 or on the web)

Courses printed in BOLD are taught one quarter per year.

Chemical Engineering – Co-Op Option #2
2003-2004

Name: _____ SSN: _____ Phone: _____

New to OSU: _____ email: _____@osu.edu

YEAR	AUTUMN	WINTER	SPRING	SUMMER
1	Math 151 (Calc & Analyc Geom) 5 _____ Chem 121 (Gen Chem)..... 5 _____ GEC 5 _____	Math 152(Calc & Analyc Geom) 5 _____ Chem 122 (Gen Chem) 5 _____ Engineer 181 (Intro to Engr I) 3 _____ GEC 5 _____	Math 153 (Calc & Analyc Geom) 5 _____ Chem 123 (Gen Chem) 5 _____ En Graph 167 (Prob Slv Prog Engr) OR CIS 202 (Prog & Alghms for Engrs) 4 _____ Engineer 183 (Intro to Engr II)..... 3 _____	
2*	Chem 251 (Organic Chem)..... 3 _____ Chem Eng 200 (Mass Balances) .. 3 _____ Math 254 (Calc & Analyc Geom)..... 5 _____ Physics 131 (Partcls & Motion)..... 5 _____	Co-Op (Chem Eng 489).....2 _____	Chem 252 (Organic Chem) 3 _____ Chem Eng 420 (Momentum Trans)4 _____ Chem Eng 201 (Energy Balances) 3 _____ Math 415 (Ord & Part Diff Equ) 4 _____	Chem 253 (Organic Chem) 3 _____ Physics 132 (Electrcy & Magntsm). 5 _____ GEC 5 _____
3	Co-Op (Chem Eng 489).....2 _____	Chem Eng 522 (Mass Transport). 3 _____ Physics 133 (Elctrdynmc & Quant) . 5 _____ Chem 254 (Organic Chem Lab) 3 _____ GEC 5 _____	Co-Op (Chem Eng 489).....2 _____	
4	Chem 530 (Physical Chem) 3 _____ Chem Eng 508 (Thermo I)..... 3 _____ Chem Eng 521 (Heat Transport).. 3 _____ Mech Eng 410 (Statics) or Elec Eng 300 (Circuits) 4/3 _____	Chem 531 (Physical Chem) 3 _____ Chem Eng 509 (Thermo II)..... 3 _____ Chem 541 (Physical Chem Lab)..... 3 _____ GEC 5 _____	Chem 532 (Physical Chem) 3 _____ Chem Eng 610 (Kinetics)..... 4 _____ Chem Eng 523 (Unit Operations). 4 _____ Chem Eng 750 (Profession) 1 _____ GEC 5 _____	Chem Eng 630 (Unit Operations Lab)... 6 _____ (or CO-OP)
5	Chem Eng 624 (Process Control) 4 _____ Chem Eng 760 (Econ & Strategy) 4 _____ GEC 5 _____ Tech Elec 3 _____	Chem Eng 764 (Process Design) 4 _____ Tech Elec 3 _____ Tech Elec 3 _____ GEC 5 _____	Chem Eng 762 (Process Devel).. 4 _____ Tech Elec 3 _____ Tech Elec 3 _____ Tech Elec 3 _____	(Chem Eng 630)

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Chemical Engineering – Co-Op Option #3
2003-2004

Name: _____ SSN: _____ Phone: _____

New to OSU: _____ email: _____@osu.edu

YEAR	AUTUMN	WINTER	SPRING	SUMMER
1	Math 151 (Calc & Analyc Geom) 5 _____ Chem 121 (Gen Chem)..... 5 _____ GEC 5 _____	Math 152(Calc & Analyc Geom) 5 _____ Chem 122 (Gen Chem) 5 _____ Engineer 181 (Intro to Engr I) 3 _____ GEC 5 _____	Math 153 (Calc & Analyc Geom) 5 _____ Chem 123 (Gen Chem) 5 _____ En Graph 167 (Prob Slv Prog Engr) OR CIS 202 (Prog & Alghms for Engrs) 4 _____ Engineer 183 (Intro to Engr II)..... 3 _____	Co-Op (Chem Eng 489).....2 _____
2*	Chem 251 (Organic Chem)..... 3 _____ Chem Eng 200 (Mass Balances) .. 3 _____ Math 254 (Calc & Analyc Geom)..... 5 _____ Physics 131 (Partcls & Motion)..... 5 _____	Co-Op (Chem Eng 489).....2 _____	Chem Eng 420 (Momentum Trans)4 _____ Chem Eng 201 (Energy Balances) 3 _____ Math 415 (Ord & Part Diff Equ) 4 _____ Physics 132 (Electrocty & Magntsm) 5 _____	Physics 133 (Electrdynmc & Quant) . 5 _____ GEC 5 _____ GEC 5 _____
3	Chem Eng 521 (Heat Transport).. 3 _____ Chem 530 (Physical Chem) 3 _____ Chem Eng 508 (Thermo I)..... 3 _____ Chem 541 (Physical Chem Lab) 3 _____	Chem Eng 522 (Mass Transport). 3 _____ Chem Eng 509 (Thermo II)..... 3 _____ Chem 254 (Organic Chem Lab)3 _____ Chem 252 (Organic Chem)..... 3 _____	Co-Op (Chem Eng 489).....2 _____	
4	Mech Eng 410 (Statics) or Elec Eng 300 (Circuits) 4/3 _____ Chem 253 (Organic Chem) 3 _____ GEC 5 _____	Chem 531 (Physical Chem) 3 _____ GEC 5 _____ GEC 5 _____	Chem 532 (Physical Chem) 3 _____ Chem Eng 610 (Kinetics)..... 4 _____ Chem Eng 523 (Unit Operations). 4 _____ Chem Eng 750 (Profession) 1 _____	Chem Eng 630 (Unit Operations Lab)... 6 _____ (or CO-OP)
5	Chem Eng 624 (Process Control) 4 _____ Chem Eng 760 (Econ & Strategy) 4 _____ GEC 5 _____ Tech Elec 3 _____	Chem Eng 764 (Process Design) 4 _____ Tech Elec 3 _____ Tech Elec 3 _____ Tech Elec 3 _____	Chem Eng 762 (Process Devel).. 4 _____ Tech Elec 3 _____ Tech Elec 3 _____	(Chem Eng 630)

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Chemical Engineering – Co-Op Option #4 – WARNING: THIS IS A VERY AGGRESSIVE POSSIBILITY AND IS NOT RECOMMENDED!!!
2003-2004

Name: _____ SSN: _____ Phone: _____

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YEAR	AUTUMN	WINTER	SPRING	SUMMER
1	Math 151 (Calc & Analyc Geom) 5____ Chem 121 (Gen Chem)..... 5____ GEC 5____	Math 152(Calc & Analyc Geom) 5____ Chem 122 (Gen Chem) 5____ Engineer 181 (Intro to Engr I) 3____ GEC 5____	Math 153 (Calc & Analyc Geom) 5____ Chem 123 (Gen Chem) 5____ En Graph 167 (Prob Slv Prog Engr) OR CIS 202 (Prog & Alghms for Engrs) 4____ Engineer 183 (Intro to Engr II)..... 3____	Co-Op (Chem Eng 489).....2____
2*	Chem 251 (Organic Chem)..... 3____ Chem Eng 200 (Mass Balances) .. 3____ Math 254 (Calc & Analyc Geom)..... 5____ Physics 131 (Partcls & Motion)..... 5____	Co-Op (Chem Eng 489).....2____	Chem Eng 420 (Momentum Trans)4____ Chem Eng 201 (Energy Balances) 3____ Math 415 (Ord & Part Diff Equ) 4____ Physics 132 (Electrcy & Magntsm) 5____	Physics 133 (Elctrdynmc & Quant) . 5____ GEC 5____ GEC 5____
3	Chem Eng 521 (Heat Transport).. 3____ Chem 530 (Physical Chem) 3____ Chem Eng 508 (Thermo I)..... 3____ Chem 541 (Physical Chem Lab) 3____	Chem Eng 522 (Mass Transport). 3____ Chem Eng 509 (Thermo II)..... 3____ Chem 531 (Physical Chem) 3____ GEC 5____	Chem 532 (Physical Chem) 3____ Chem Eng 610 (Kinetics)..... 4____ Chem Eng 523 (Unit Operations). 4____ Chem Eng 750 (Profession) 1____	Chem Eng 630 (Unit Operations Lab)... 6____ Tech Elec 3____
4	Chem Eng 624 (Process Control) 4____ Chem Eng 760 (Econ & Strategy) 4____ Tech Elec 3____ Tech Elec 3____ Tech Elec 3____	Chem 254 (Organic Chem Lab)3____ Chem 252 (Organic Chem)..... 3____ Mech Eng 410 (Statics) or Elec Eng 300 (Circuits)..... 4/3____ Chem Eng 764 (Process Design) 4____	Chem 253 (Organic Chem)..... 3____ Chem Eng 762 (Process Devel).. 4____ Tech Elec 3____ Tech Elec 3____	GEC 5____ GEC 5____ GEC 5____

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