Chemical Engineering Courses

		_	2012			2013			2014				2015					
Course	Previous	Description	W	Sp	Su	F	W	Sp	Su	F	W	Sp	Su	F	W	Sp	Su	F
170		Intro to ChE	Х			Х	Х			Х	Х			Х	Х			Х
191	291R	Preprofessional seminar	Х			Х	Х			Х	Х			Х	Х			Х
199R		Internship	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
263		Computational Tools for ChE		Х		Х		Х		Х		Х		Х		Х		Х
273		Chemical Process Principles	Х	Х			Х	Х			Х	Х			Х	Х		
311		ChE and Society				Х				Х				Х				Х
373		ChE Thermodynamics	Х				Х				Х				Х			
374		Fluid Mechanics				Х				Х				Х				Х
376		Heat & Mass Transfer	Х				Х				Х				Х			
378		Material Science		Х		Х		Х		Х		Х		Х		Χ		Х
381		Semiconductors																
386	478	Chemical Reaction Engineering	Х				Х				Х				Х			
391		Career Skills	Х			Х	Х			Х	Х			Х	Х			Х
400		Creativity				Х				Х				Х				Х
410	610	Reservoir Engineering	Х				Х				Х				Х			
411		Air Pollution																
412		Nuclear Engineering	Х				Х				Х				Х			
431		Molecular Modeling	Х				Х								Х			
433	310	Energy				Х				Х				Х				Х
436		Process Control				Х				Х				Х				Х
451		Plant Design	Х				Х				Х				Х			
475		UO Lab 1		Х		Х		Х		Х		Х		Х		Х		Х
476		Separations				Х				Х				Х				Х
477		UO Lab 2	Х	Х			Х	Х			Х	Х			Х	Х		
493R		Special Topics	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
498R		Special Projects																
730IX		Special Frojects	Х	Х	Χ	Х	Х	Χ	Х	Χ	Х	Х	Х	Х	Х	Χ	Χ	Χ
				20	12			20	13			20	14			20	15	
Course	Previous	Description	W	20		F	W	20		F	W	20		F	W		15	F
Course 511	Previous	Description Environmental Engineering	W	20	12			20	13			20	14			20	15	
Course 511 518	Previous	Description Environmental Engineering Biomedical Engineering		Sp	12			20	13		W	20	14			20	15	
Course 511 518 519	Previous	Description Environmental Engineering Biomedical Engineering Biochemical Engineering	W	20	12		W	20	13			20	14		W	20	15	
Course 511 518 519 528	Previous	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis	W	Sp	12	F	W	20	13	F	W	20	14	F	W	20	15	F
Course 511 518 519 528 531	Previous	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics	W	Sp	12	F	W	20	13	F X	W	20	14	F	W	20	15	F X
Course 511 518 519 528 531 533	Previous	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport	W	Sp	12	F	W	20	13	F	W	20	14	F	W	20	15	F
Course 511 518 519 528 531 533 534	Previous	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations	W	Sp	12	x x	W	20	13	F	W	20	14	F X X	W	20	15	x x
Course 511 518 519 528 531 533 534 535	Previous	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis	W	Sp	12	F	×	20	13	F X	W	20	14	F	×	20	15	F X
Course 511 518 519 528 531 533 534 535 541	Previous	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods	×	Sp	12	x x	W	Sp	13	F	×	20	14	F X X	W	Sp	15	x x
Course 511 518 519 528 531 533 534 535 541 578	Previous	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science	W	Sp	12	x x	×	20	13	F	W	20	14	F X X	×	20	15	x x
Course 511 518 519 528 531 533 534 535 541 578 593R	Previous	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate	×	Sp	12	x x	×	Sp	13	F	×	20	14	F X X	w x	Sp	15	x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601		Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies	×	Sp	12	x x	×	Sp	13	F	×	20	14	F X X	×	Sp	15	x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631	use 431	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics	X X	Sp	12	x x	×	Sp	13	F	x x	20	14	F X X	w x	Sp	15	x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631 633		Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics Combustion	×	Sp	12	x x	×	20 Sp	13	F	×	20	14	F X X	w x	200 Sp	15	x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631 633 641	use 431	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics Combustion Combustion Modeling	X X	Sp	12	x x	×	Sp	13	F	x x	20	14	F X X	×	Sp	15	x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631 633 641 674	use 431	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics Combustion Combustion Modeling Advanced Thermodynamics	X X	Sp	12	x x	×	20 Sp	13	F	x x	20	14	F X X	×	200 Sp	15	x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631 633 641 674 685	use 431	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics Combustion Combustion Modeling Advanced Thermodynamics ChE for Chemists	x x	Sp	12	x x	X X	20 Sp	13	x x x	x x x x	20	14	x x	x x x	200 Sp	15	x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631 633 641 674 685 691R	use 431	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics Combustion Combustion Modeling Advanced Thermodynamics ChE for Chemists Graduate Seminar	x x x	200 Sp x	Su	x x x	x x	X X X	Su	x x x x x x x x x	x x x x x x	200 Sp	Su Su	x x x	x x x x	200 Sp	15 Su	x x x x x x x x x x x x x x x x x x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631 633 641 674 685 691R 693R	use 431	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics Combustion Combustion Modeling Advanced Thermodynamics ChE for Chemists Graduate Seminar Special Topics-Graduate	x x x x x x	200 Sp	Su Su	x x x x x x x x x x x x x x x x x x x	x x	x x x	Su Su	x x x x x x x	x x x x x x x x	200 Sp	Su Su	x x x	x x x x x	200 Sp	Su Su X	x x x x x x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631 633 641 674 685 691R 693R	use 431	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics Combustion Combustion Modeling Advanced Thermodynamics ChE for Chemists Graduate Seminar Special Topics-Graduate Special Projects	x x x x x x x	200 Sp	Su Su X X	x x x	x x x x x x	x x x x	Su Su X X	x x x x x x x x	x x x x x x x x x x x x x x x x x x x	200 Sp	Su Su X X	X X X	x x x x x x	x x x x	Su Su X X	x x x x x x x x x x x x x x x x x x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631 633 641 674 685 691R 693R 699R	use 431	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics Combustion Combustion Modeling Advanced Thermodynamics ChE for Chemists Graduate Seminar Special Topics-Graduate Special Projects MS Research	x x x x x x	200 Sp x x x x x x	Su Su	x x x x x x x x x x x x x x x x x x x	x x	x x x	Su Su	x x x x x x x	x x x x x x x	200 Sp	Su Su	x x x	x x x x x	200 Sp	Su Su X	x x x x x x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631 633 641 674 685 691R 693R 698R 699R 733	use 431	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics Combustion Combustion Modeling Advanced Thermodynamics ChE for Chemists Graduate Seminar Special Topics-Graduate Special Projects MS Research Coal Combustion	x x x x x x x x	200 Sp	Su Su X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x	x x x x	Su Su X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	200 Sp	Su Su X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x	x x x x	Su Su X X	x x x x x x x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631 633 641 674 685 691R 693R 698R 699R 733 791R	use 431	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics Combustion Combustion Modeling Advanced Thermodynamics ChE for Chemists Graduate Seminar Special Topics-Graduate Special Projects MS Research Coal Combustion Graduate Seminar	x x x x x x x x x x	200 Sp x x x x x x	12 Su 	x x x x x x x x x x x x x x x x x x x	x x x x x x x x	x	X X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	200 Sp	14 Su 	x x x x x x x x	x x x x x x x x	x x x x x	15 Su 	x x x x x x x x x
Course 511 518 519 528 531 533 534 535 541 578 593R 601 631 633 641 674 685 691R 693R 698R 699R 733	use 431	Description Environmental Engineering Biomedical Engineering Biochemical Engineering Advanced Catalysis Graduate Thermodynamics Transport Advanced Separations Graduate Kinetics & Catalysis Numerical Methods Polymer Science Special Topics-Intermediate Graduate Studies Statistical Mechanics Combustion Combustion Modeling Advanced Thermodynamics ChE for Chemists Graduate Seminar Special Topics-Graduate Special Projects MS Research Coal Combustion	x x x x x x x x	200 Sp x x x x x x	Su Su X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x	x x x x	Su Su X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x x x x x x x x x x x x x	200 Sp	Su Su X X	x x x x x x x x x x x x x x x x x x x	x x x x x x x	x x x x	Su Su X X	x x x x x x x x x x x x x x x x x x x

College Courses

			2012			2013				2014				2015				
Course	Previous	Description	W	Sp	Su	F	W	Sp	Su	F	W	Sp	Su	F	W	Sp	Su	F
EngT 231		Moral Leadership	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
EngT 497R	ChEn 498R EWB	Global Engineering Outreach	х	х		х	х	х		х	х	х		х	х	х		х
MeEn 505	EngT 502	Applied Engineering Math				Х				Х				Х				
	EngT 503	Advanced Applied Eng Math 2																