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UNIVERSITY OF WASHINGTON STUDENT RECORDS SYSTEM
DETAILED CURRICULUM REPORT
Seattle CAMPUS

REPORT: SR21010-R-01 K
PAGE: 1,176

COLLEGE : J - Engineering
DEPARTMENT: CHEMICAL ENGR

COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M T P R	W R Q T S N G	RESPONS COURSE	JOINT COURSES	O M I T
CHEM E 198	CAREER PLANNING II CAREER PLANNING II	SPR/1972 -	AUT/9999	1.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/02/06 APPROVED:11/11/71									
CHEM E 299	UNDERGRAD RESEARCH Undergraduate Research	SPR/2012 -	AUT/9999	1.0-03.0	9.0	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/17/15 APPROVED:12/20/11									
CHEM E 301	LEADERSHIP SEMINAR Leadership Seminar	AUT/2008 -	AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 3/14/07 APPROVED: 3/13/07									
CHEM E 309	CREAT INNOVATION Creativity and Innovation	AUT/2010 -	AUT/9999	2.0	.	.	.	.	Y	.	.	BSE	309 BSE	309 .
					LAST UPDT: 6/16/10 APPROVED:11/22/82									
					COMMENT:CHG JT STATUS									
CHEM E 310	MATERL & ENRGY BAL Material and Energy Balances	SPR/2011 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 2/25/11 APPROVED: 3/27/80									
					COMMENT:EMAIL PREQ CHG									
CHEM E 325	ENERGY AND ENTROPY Energy and Entropy	AUT/2012 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 7/13/12 APPROVED: 6/16/09									
					COMMENT:12-13 PREQ CHG									
CHEM E 326	CH E THERMODYNAMICS Chemical Engineering Thermodynamics	AUT/2012 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 7/13/12 APPROVED: 2/01/72									
					COMMENT:12-14 PREQ CHG									
CHEM E 330	TRANSPORT PROCESS I Transport Processes I	WIN/2007 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/02/06									
					COMMENT:CHG CRS									
CHEM E 340	TRANSP PROCESS II Transport Processes II	WIN/1990 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/02/06									
					COMMENT:CHG CREDITS									

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COURSE CURRIC NUM	TITLE	EFFECTIVE	QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M S T P	W R Q T N G	RESPONS COURSE	JOINT COURSES	O M I T		
CHEM E 341	ENERGY & ENVIRON Energy and Environment	AUT/2014 -	AUT/9999	3.0	.	.	.	.	.	Y	.	CHEM E341	M E 341	.		
COMMENT:CHG RESP DEPT					LAST UPDT: 2/19/14					APPROVED: 1/24/94					ENVIR 341	
CHEM E 345	INTRO FUEL CELLS INTRODUCTION TO FUEL CELLS	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.			.		
COMMENT:12-14 PREQ CHG					LAST UPDT:12/11/12					APPROVED: 6/25/03						
CHEM E 355	BIO FOR ENGINEERS Biological Frameworks for Engineers	WIN/2015 -	AUT/9999	3.0	.	.	.	.	.	.	.			.		
COMMENT:EMAIL PREQ CHG					LAST UPDT:11/14/14					APPROVED: 2/25/02						
CHEM E 375	CH E COMPUTR SKILLS Chemical Engineering Computer Skills	WIN/2010 -	AUT/9999	2.0	.	.	.	.	.	.	.			.		
COMMENT:CHG GRADING					LAST UPDT:10/16/09					APPROVED: 6/25/03						
CHEM E 435	TRANSP PROCESS III Transport Processes III	AUT/1973 -	AUT/9999	4.0	.	.	.	.	.	.	.			.		
					LAST UPDT: 7/10/09											
CHEM E 436	CHEM ENGR LAB I Chemical Engineering Laboratory I	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.			.		
COMMENT:12-14 PREQ CHG					LAST UPDT: 7/13/12											
CHEM E 437	CHEM ENGR LAB II Chemical Engineering Laboratory II	WIN/1974 -	AUT/9999	3.0	.	.	.	.	.	.	.			.		
					LAST UPDT: 7/10/09											
CHEM E 442	RENEWABLE ENERGY Renewable Energy	SPR/2014 -	AUT/9999	4.0	.	.	.	.	.	Y	.	M E 442	M E 442	.		
COMMENT:CHG PREQ - JT STATUS					LAST UPDT: 3/19/14					APPROVED: 5/24/93						
CHEM E 445	FUEL CELL ENGR Fuel Cell Engineering	SPR/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.			.		
					LAST UPDT: 8/25/00					APPROVED: 8/23/00						

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX	D P	GRD SYS	D E	S H F U N E M R E	V L I P & A	E E N C M S N W T P R G	RESPONS COURSE	JOINT COURSES	O M I T			
CHEM E 450	SLD MTLS& CHEM PROC SOLID STATE MATERIALS AND CHEMICAL PROCESSES	AUT/2012 - AUT/9999	3.0	.	.			. . .					.			
COMMENT:12-14 DESC, PREQ CHG				LAST UPDT: 7/13/12 APPROVED: 5/30/91												
CHEM E 455	SURF COLL SCI LAB Surface and Colloid Science Laboratory	WIN/2010 - AUT/9999	3.0	.	.			. . .					.			
COMMENT:CHG CREDITS, PREQ, DESC				LAST UPDT: 6/17/09 APPROVED: 3/01/80												
CHEM E 457	PRIN MOLECULAR ENGR Principles of Molecular Engineering	SPR/2013 - AUT/9999	3.0	.	.			. . .					.			
				LAST UPDT:12/19/12 APPROVED:12/18/12												
CHEM E 458	SURFACE ANALYSIS Surface Analysis	WIN/1989 - AUT/9999	3.0	.	.			. . .			BIOEN 492	BIOEN 492	.			
				LAST UPDT:10/17/00 APPROVED:12/17/87												
CHEM E 461	ELECTROCHEMICAL ENG Electrochemical Engineering	WIN/1993 - AUT/9999	3.0	.	.			. . .					.			
				LAST UPDT:12/14/92 APPROVED: 5/29/92												
CHEM E 465	REACTOR DESIGN Reactor Design	WIN/2008 - AUT/9999	4.0	.	.			. . .					.			
COMMENT:CHG DESC				LAST UPDT: 6/21/07												
CHEM E 467	BIOCHEMICAL ENGRING Biochemical Engineering	WIN/1988 - AUT/9999	3.0	.	.			. . .			CHEM E467	BIOEN 467	.			
				LAST UPDT:10/04/94 APPROVED:12/17/87												
CHEM E 468	AIR P CONT DESIGN AIR POLUTION CONTROL EQUIPMENT DESIGN	SUM/2000 - AUT/9999	3.0	.	.			. . .			CEE 494	CEE 494	.			
				LAST UPDT:12/11/12 APPROVED: 5/27/82												
CHEM E 480	PROC DYNM & CONTRL Process Dynamics and Control	WIN/2008 - AUT/9999	4.0	.	.			. . .			M E	468	.			
COMMENT:CHG DESC				LAST UPDT: 6/21/07												
CHEM E 481	PROCESS OPTIMIZATN Process Optimization	SPR/1968 - AUT/9999	3.0	.	.			. . .					.			
				LAST UPDT: 6/06/06												

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CHEM E 482	ADVANCED CONTROL Advanced Topics in Process Control	SPR/1988 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/14/94 APPROVED:12/01/87									
CHEM E 484	ELECTRONIC POLYMERS Electronic and Optoelectronic Polymers	AUT/2003 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CONVERSION OF TEMP COURSE					LAST UPDT: 6/26/03 APPROVED: 6/25/03									
CHEM E 485	PROCESS DESIGN I Process Design I	WIN/2008 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
COMMENT:CHG DESC					LAST UPDT: 6/21/07 APPROVED: 4/01/80									
CHEM E 486	PROCESS DESIGN II Process Design II	AUT/2012 -	AUT/9999	5.0	.	.	.	.	.	.	.	.	.	.
COMMENT:12-14 DESC CHG					LAST UPDT: 7/13/12									
CHEM E 490	ENG MATLS BIOMED AP Engineering Materials for Biomedical Applications	SPR/1978 -	AUT/9999	3.0	.	.	.	.	.	.	.	BIOEN 490	BIOEN 490	.
COMMENT:NEW DESCRIPTION					LAST UPDT:10/02/06 APPROVED: 9/23/71									
CHEM E 491	CONTROLLED REL SYS Controlled-Release Systems	WIN/2015 -	AUT/9999	3.0	.	.	.	.	.	.	.	BIOEN 491	BIOEN 491	.
COMMENT:CHANGE TITLES					LAST UPDT: 4/16/14 APPROVED:11/17/77									
CHEM E 493	ADV SURFACE ANLYS Advanced Surface Analysis	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	BIOEN 493	BIOEN 493	.
					LAST UPDT: 4/18/12 APPROVED: 4/17/12									
CHEM E 497	DESIGN SPEC PROJ Special Projects in Chemical Engineering Design	SPR/1998 -	AUT/9999	1.0-06.0	12.0	.	.	11	.	.	.	.	.	.
					LAST UPDT: 4/24/98 APPROVED: 3/31/98									
CHEM E 498	SPECIAL TOPICS Special Topics in Chemical Engineering	WIN/1980 -	AUT/9999	1.0-04.0	12.0	Y	.	.	.	.	.	.	.	.
COMMENT:RICHLAND ADDED 01-24-1980					LAST UPDT:10/02/06 APPROVED: 6/07/79									

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CHEM E 499	UNDERGRAD RESEARCH Undergraduate Research	SPR/1988 -	AUT/9999	1.0-06.0	12.0 Y	.	11	.	.	.	.	.	.
					LAST UPDT:10/02/06								
COMMENT:CHG PREQS													
CHEM E 510	MATH FOUND SYST THR Mathematical Foundations of Systems Theory	AUT/2014 -	AUT/9999	4.0	.	.	.	.	.	.	E E	510 A A	510 .
					LAST UPDT: 7/31/14 APPROVED:10/24/91								
COMMENT:14-16 PREQ CHG													
CHEM E 511	BIOMATERIAL SEMINAR Biomaterials Seminar	SPR/2010 -	AUT/9999	1.0	18.0 .	CR/NC .	.	.	.	.	BIOEN 511	BIOEN 511	.
					LAST UPDT:12/15/09 APPROVED:12/09/92								
COMMENT:CHG MAX CREDITS													
CHEM E 512	METH OF ENGR ANALYS Methods of Engineering Analysis	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	CHEM E512	AMATH 512	.
					LAST UPDT: 7/23/12 APPROVED: 5/14/97								
COMMENT:12-14 PREQ CHG													
CHEM E 514	ADV CHEME LAB Advanced Chemical Engineering Laboratory	WIN/2015 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/17/14 APPROVED:12/16/14								
CHEM E 515	EXPERIMENTL METHODS Experimental Methods in Chemical Engineering Research	AUT/2003 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/26/03 APPROVED: 6/25/03								
CHEM E 523	SMNR IN CHEM ENGR Seminar in Chemical Engineering	AUT/1984 -	AUT/9999	0.0-01.0	30.0 .	CR/NC .	.	.	.	.	.	.	.
					LAST UPDT: 5/02/13 APPROVED: 5/23/69								
COMMENT:CHG CREDITS, 5/2013 RETRO MAX													
CHEM E 525	CHEM ENGR THERMDYNM Chemical Engineering Thermodynamics	AUT/1972 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.
					LAST UPDT:10/02/06								
COMMENT:CHG CREDITS													
CHEM E 526	TPCS IN THERMODYNAM TOPICS IN THERMODYNAMICS	AUT/1982 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.
					LAST UPDT:12/11/12								
COMMENT:CHG DESC													

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CHEM E 530	MOMNT,HT,MS TR I Momentum, Heat, and Mass Transfer I	AUT/1986 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 2/26/10														
CHEM E 531	MOMNT,HT,MS TR II Momentum, Heat, and Mass Transfer II	WIN/2001 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/02/06 APPROVED: 5/23/63														
COMMENT:CHANGE CREDITS														
CHEM E 532	SEPARATION PROCESS SEPARATION PROCESSES	AUT/1982 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/02/06														
COMMENT:CHG DESC														
CHEM E 533	MASS TRANSFER MASS TRANSFER	WIN/1982 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 0/00/00 APPROVED: 9/01/81														
CHEM E 554	NANOSCALE SCI I Nanoscale Science I: Contact Mechanics and Rheology	SPR/1998 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 1/30/98 APPROVED:10/23/97														
CHEM E 555	INTERFACL PHENOMENA Interfacial Phenomena	WIN/1984 -	AUT/9999	4.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT:10/02/06														
COMMENT:RTRN CHG CREDITS														
CHEM E 556	COLLOIDAL SYSTEMS Colloidal Systems	SPR/2013 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 2/26/14 APPROVED: 3/02/72														
COMMENT:CHG TITLES, CREDITS, DESC														
CHEM E 557	RES INTERF COLL SCI RESEARCH IN INTERFACIAL AND COLLOID SCIENCE	AUT/1997 -	AUT/9999	1.0	.	CR/NC	.	.	.	.	.	.	.	.
LAST UPDT:12/11/12 APPROVED: 4/15/97														
CHEM E 558	SURFACE ANALYSIS Surface Analysis	WIN/1985 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	BIOEN 592	BIOEN 592
LAST UPDT:10/17/00 APPROVED:10/25/84														
CHEM E 560	REACTNS AT SURFACES Reactions at Solid Surfaces	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
LAST UPDT: 7/13/12 APPROVED:12/17/87														
COMMENT:12-14 DESC, PREQ CHG														

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COURSE CURRIC NUM	TITLE	EFFECTIVE QUARTERS	QUARTER CREDITS	OVER D -ALL U MAX P	D GRD SYS	D E HYPH	S H F U N E M R E	V L I P & N A S W	E E L C M T P R	W R Q T S N G	RESPONS COURSE	JOINT COURSES	O M I T
CHEM E 561	ELECTRONS AT SURFS ELECTRONS AT SURFACES	WIN/1997 - AUT/9999	3.0	.	.	.	.	.	.	.			.
				LAST UPDT:11/25/96		APPROVED:11/18/96							
CHEM E 564	APPL CHEM KINETICS APPLICATIONS OF CHEMICAL KINETICS	AUT/1982 - AUT/9999	3.0	.	.	.	.	.	.	.			.
COMMENT:CHG DESC				LAST UPDT:12/11/12		APPROVED: 2/18/71							
CHEM E 565	KINETIC & CATALYSIS Kinetics and Catalysis	WIN/1978 - AUT/9999	3.0	.	.	.	.	.	.	.			.
				LAST UPDT: 0/00/00									
CHEM E 566	GAS AIR POLL CONT CONTROL OF GASEOUS AIR POLLUTANTS	WIN/2001 - AUT/9999	3.0	.	.	.	.	.	.	.	CHEM E566 CEE	558	.
COMMENT:CHG JT STATUS				LAST UPDT: 2/07/14		APPROVED:12/01/83							
CHEM E 567	PART AIR POLL CONT CONTROL OF PARTICULATE AIR POLLUTANTS	AUT/1984 - AUT/9999	3.0	.	.	.	.	.	.	.	CHEM E567 CEE	559	.
				LAST UPDT: 2/07/14		APPROVED:12/15/83							
CHEM E 570	HIGH POLYMERS CHEMISTRY OF HIGH POLYMERS	SPR/1972 - AUT/9999	3.0	6.0 Y	.	.	.	.	.	.			.
				LAST UPDT: 8/02/13									
CHEM E 571	POLY PHYS ENGR POLYMER PHYSICS AND ENGINEERING	SPR/1978 - AUT/9999	3.0	.	.	.	.	.	.	.			.
				LAST UPDT: 0/00/00		APPROVED:10/01/77							
CHEM E 572	ADV POLY COMP ADVANCED POLYMERIC COMPOSITES	AUT/1982 - AUT/9999	3.0	.	.	.	.	.	.	.			.
				LAST UPDT: 0/00/00		APPROVED: 2/01/82							
CHEM E 575	NONLINEAR ANALYSIS NONLINEAR ANALYSIS IN CHEMICAL ENGINEERING	SPR/1974 - AUT/9999	3.0	.	.	.	.	.	.	.			.
COMMENT:CHG TITLES, CREDITS				LAST UPDT:12/11/12		APPROVED: 5/23/63							
CHEM E 580	TOPICS CH E DESIGN Topics in Chemical Engineering Design	AUT/2012 - AUT/9999	3.0	9.0 Y	.	.	.	.	.	.			.
COMMENT:12-14 DESC CHG				LAST UPDT: 9/17/12		APPROVED: 3/28/74							

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CHEM E 582	ADVANCED CONTROL ADVANCED TOPICS IN PROCESS CONTROL	SPR/1988 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 3/04/05 APPROVED:12/01/87									
CHEM E 584	ELECTRONIC POLYMERS Electronic and Optoelectronic Polymers	AUT/2003 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/26/03 APPROVED: 6/25/03									
					COMMENT:CONVERSION OF TEMP COURSE									
CHEM E 588	RES APPL MICROBIOL Research in Applied Microbiology	AUT/1997 -	AUT/9999	1.0	30.0	.	CR/NC	.	.	.	.	.	CHEM E588 MICROM588	.
					LAST UPDT: 5/02/13 APPROVED: 4/15/97									
					COMMENT:5/2013 RETRO MAX									
CHEM E 590	ADV BIOMATERIALS Advanced Topics in Biomaterials	SPR/1986 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	BIOEN 590 BIOEN 590	.
					LAST UPDT:10/04/94 APPROVED:11/25/85									
CHEM E 591	ROBOT & CONTR COLL Robotics and Control Systems Colloquium	AUT/1996 -	AUT/9999	1.0	30.0	Y	CR/NC	.	.	.	.	.	A A 591 A A 591	.
					LAST UPDT: 5/16/13 APPROVED:10/27/93									
					COMMENT:5/2013 RETRO MAX									
CHEM E 593	ADV SURFACE ANLYS Advanced Surface Analysis	AUT/2012 -	AUT/9999	3.0	.	.	.	.	.	.	.	.	BIOEN 593 BIOEN 593	.
					LAST UPDT: 4/18/12 APPROVED: 4/17/12									
CHEM E 599	CURRENT TPCS CH E Current Topics in Chemical Engineering	WIN/2009 -	AUT/9999	1.0-05.0	12.0	Y	.	.	.	.	.	.	.	.
					LAST UPDT:11/19/08									
					COMMENT:CHG CREDITS									
CHEM E 600	INDEPENDNT STDY/RSH Independent Study or Research	SPR/1972 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.
					LAST UPDT: 8/02/13 APPROVED:11/01/74									
CHEM E 700	MASTERS THESIS Master's Thesis	AUT/1967 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.
					LAST UPDT: 4/19/10 APPROVED:11/01/74									
CHEM E 800	DOCTORAL DISSERTATN Doctoral Dissertation	SUM/1976 -	AUT/9999	0.0	999.0	.	.	11	.	.	.	.	.	.
					LAST UPDT: 4/19/10 APPROVED: 1/01/70									

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NME 220	MOL/NANO PRINCIPLES Introduction to Molecular and Nanoscale Principles	WIN/2011 - AUT/9999	4.0		.	.	.	.	.	Y	.	.	.	.
COMMENT:WAS CHEM E 220					LAST UPDT: 6/17/10 APPROVED: 1/20/09									
NME 221	NANO MOL ENG SEM I Nanoscience and Molecular Engineering Seminar I	SUM/2010 - AUT/9999	1.0		.	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 6/17/10 APPROVED: 5/18/10									
NME 321	NANO MOL ENG SEM II Nanoscience and Molecular Engineering Seminar II	SPR/2011 - AUT/9999	1.0		.	CR/NC	.	.	.	.	.	.	.	.
COMMENT:EMAIL PREQ CHG					LAST UPDT: 5/19/11 APPROVED: 5/18/10									
NME 421	NANO MOL ENG SEM III Nanoscience and Molecular Engineering Seminar III	SUM/2010 - AUT/9999	1.0		.	CR/NC	.	.	.	.	.	.	.	.
					LAST UPDT: 6/17/10 APPROVED: 5/18/10									
NME 498	SPECIAL TOPICS Special Topics in Nanoscience and Molecular Engineering	AUT/2010 - AUT/9999	1.0-04.0	12.0	.	.	.	.	.	.	.	.	.	.
					LAST UPDT: 6/17/10 APPROVED: 5/18/10									