

## Civil Engineering and Applied Mechanics - 1/31/2005

1. Prerequisites and corequisites are strictly enforced - PTE numbers will not be issued to override requirements

2. PTE = permission(s) to enroll required - check latest catalog available for details

3. For transfer students: articulations in effect as listed in [www.assist.org](http://www.assist.org) will be honored to satisfy requirements for prerequisites and corequisites. If your DARS reflects a course substitution to satisfy a corequisite or prerequisite it WILL NOT be honored during registration and you will need to enroll using a PTE number from the appropriate department.

4. Courses not on this list have no enforced requisites

Future			
Fall 2004			
Course Number	Prerequisite	Corequisite	Recommended or Preparatory
AM 316	CE 240; MATH 280		
AM 317	CE 340	AM 316	
AM 400A	SENIOR/GRADUATE		
AM 400B	AM 400A WITH C- MINIMUM		
AM 410	AM 316; CE 340		
AM 421	CE 340		
AM 499A-C	SENIOR/GRADUATE		
AM 509	AM 316; MATH 280		
AM 610	AM 410; CE 436		
AM 618	PTE		
AM 619	PTE		
AM 621	AM 421		
AM 636	AM 610		
AM 640	PTE		
AM 642	AM 410; CE 436		
AM 644	AM 642; consent		
AM 645	AM 610		
AM 696A-C	AM 698; PTE		
AM 698	PTE		
AM 699A-C	PTE		
CE 240	PHYS 220A/L	MATH 150B	
CE 308		CE 308L	
CE 308L		CE 308	
CE 335	CE 340		
CE 340	CE 240; MATH 280		
CE 400A	SENIOR/GRADUATE		
CE 400B	CE 400A WITH C- GRADE		
CE 408	CE 308/L	CE 408L	
CE 408L	CE 308/L	CE 408	
CE 426	CE 340	CE 426L	
CE 426L		CE 426	
CE 433	MSE 304 WITH C- GRADE	CE 433L	
CE 433L	MSE 304 WITH C- GRADE	CE 433	
CE 434	SENIOR STANDING	CE 434L	
CE 434L	SENIOR STANDING	CE 434	
CE 435 (335 AS OF SPR 05)	CE 340 WITH C- GRADE		
CE 436	CE 335 CE 435 (335 AS OF SPR 05) W/C- GRADE	CE 436L	
CE 436L	CE 335 CE 435 (335 AS OF SPR 05) W/C- GRADE	CE 436	
CE 437	CE 335 CE 435 (335 AS OF SPR 05) W/C- GRADE		
CE 438	CE 335 CE 435 (335 AS OF SPR 05) W/C- GRADE		

CE 439	CE 335 CE 435 (335 AS OF SPR 05) W/C- GRADE		
CE 460	ME 390	CE 460L	
CE 460L	ME 390	CE 460	
CE 487	SENIOR/GRADUATE		ME 490 or 493
CE 488A	SENIOR	CE488AL	
CE 488AL	SENIOR	CE488A	
CE 488B	CE488A		
CE 499A-C	SENIOR/GRADUATE		
CE 526	CE 426		
CE 638	CE 438		
CE 639	CE 439		
CE 641	AM 410; CE 335		
CE 643	CE 438		
CE 696	CE 698; PTE		
CE 698	PTE		
CE 699A-C	PTE		
CMT 101		CMT 101L; MATH 102	
CMT 101L		CMT 101; MATH 102	
CMT 208	MATH 104 W/C- MINIMUM	CMT 208L	
CMT 208L	MATH 104 W/C- MINIMUM	CMT 208	
CMT 210		CMT 210L	
CMT 210L		CMT 210	
CMT 240	MATH 255A; PHYS 100A/AL ALL WITH C- MINIMUM		
CMT 309	ACCT 220 WITH C- MINIMUM		
CMT 312	BLAW 280; ACCT 220 BOTH WITH C- MINIMUM	CMT 312L	
CMT 312L	BLAW 280; ACCT 220 BOTH WITH C- MINIMUM	CMT 312	
CMT 315	CMT 210/L WITH C- MINIMUM	CMT 315L	
CMT 315L	CMT 210/L WITH C- MINIMUM	CMT 315	
CMT 326	CMT 340 WITH C- MINIMUM	CMT 326L	
CMT 326L	CMT 340 WITH C- MINIMUM	CMT 326	
CMT 340	CMT 240; MATH 255B BOTH WITH C- MINIMUM		
CMT 401	BLAW 280 WITH C-; SENIOR STANDING	CMT 401L	
CMT 401L	BLAW 280 WITH C-; SENIOR STANDING	CMT 401	
CMT 410	CMT 312/L WITH C- MINIMUM	CMT 410L	
CMT 410L	CMT 312/L WITH C- MINIMUM	CMT 410	
CMT 434	CMT 208/L; CMT 312/L; CMT 326/L ALL WITH C- MINIMUM	CMT 434L	
CMT 434L	CMT 208/L; CMT 312/L; CMT 326/L ALL WITH C- MINIMUM	CMT 434	
CMT 440A	CMT 340 WITH C- MINIMUM	CMT 440AL	
CMT 440AL	CMT 340 WITH C- MINIMUM	CMT 440A	
CMT 440B	CMT 440A/AL WITH C- MINIMUM	CMT 440BL	
CMT 440BL	CMT 440A/AL WITH C- MINIMUM	CMT 440B	
CMT 480	BLAW 280 WITH C- MINIMUM		
CMT 488A	SENIOR		
CMT 488B	SENIOR		

## Computer Science - 1/31/2005

1. Prerequisites and corequisites are strictly enforced - PTE numbers will not be issued to override requirements

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3. For transfer students: articulations in effect as listed in [www.assist.org](http://www.assist.org) will be honored to satisfy requirements for prerequisites and corequisites. If your DARS reflects a course substitution to satisfy a corequisite or prerequisite it WILL NOT be honored during registration and you will need to enroll using a PTE number from the appropriate department.

4. Courses not on this list have no enforced requisites

Course Number	Prerequisite	Corequisite	Recommended or Preparatory
COMP 105	COMP 101 or 110/L or 106/L		
COMP 106	MATH 150A		COMP 106L; MATH 150B
COMP 106L	MATH 150A		COMP 106; MATH 150B
COMP 108	MATH 102 or MPT I > 26 or MATH 150A		MATH 104 or 105
COMP 110	MATH 104 or 105 or MPT II > 23 or MATH 150A		COMP 110L; MATH 150A
COMP 110L	MATH 104 or 105 or MPT II > 23 or MATH 150A		COMP 110; MATH 150A
COMP 122	COMP 110/L; MATH 150A; freshman comp		COMP 122L
COMP 122L	COMP 110/L; MATH 150A; freshman comp		COMP 122
COMP 160			COMP 160L; prior usage of computer equivalent to COMP 100
COMP 160L			COMP 160; prior usage of computer equivalent to COMP 100
COMP 165			COMP 100; COMP 165L
COMP 165L			COMP 100; COMP 165
COMP 182	COMP 110/L; MATH 150A; freshman comp		COMP 100; COMP 182L
COMP 182L	COMP 110/L; MATH 150A; freshman comp		COMP 100; COMP 182
COMP 222	COMP 122/L; 182/L		
COMP 232	COMP 122/L; 182/L		
COMP 265	COMP 232 or 165/L		COMP 265L
COMP 265L	COMP 232 or 165/L		COMP 265
COMP 270	COMP 182/L; MATH 150A		COMP 270L
COMP 270L	COMP 182/L; MATH 150A		COMP 270
COMP 282	COMP 182/L; MATH 150B		
COMP 300	LDWR completed		
COMP 310	MATH 326; PHIL 230		
COMP 322	COMP 222; 282		COMP 105C or knowledge of "C Language"; COMP 322L

COMP 322L	COMP 222; 282		COMP 105C or knowledge of "C Language"; COMP 322
COMP 380	(COMP 282 or 270/L) and (COMP 222 or 232)		COMP 380L
COMP 380L	(COMP 282 or 270/L) and (COMP 222 or 232)		COMP 380
COMP 410	COMP 232; COMP 282; COMP 310; UDWPE attempted ALL WITH C - MINIMUM		
COMP 411	PTE; UDWPE attempted		COMP 411L
COMP 411L	PTE; UDWPE attempted		COMP 411
COMP 420	COMP 322/L; UDWPE attempted		
COMP 421	COMP 322/L; UDWPE attempted		
COMP 422	COMP 322/L; UDWPE attempted		
COMP 424	COMP 322/L; 380/L; UDWPE attempted		
COMP 426	COMP 322/L; 380/L; UDWPE attempted		
COMP 429	COMP 322/L; UDWPE attempted		
COMP 430	COMP 310; 380/L; UDWPE attempted		
COMP 431	COMP 380/L W/C-; MATH 340 or MATH 441 W/C-; UDWPE attempted		
COMP 432	COMP 322/L; UDWPE attempted		
COMP 440	COMP 380/L; UDWPE attempted		
COMP 450	COMP 380/L; UDWPE attempted		
COMP 461	COMP 380/L W/C- MINIMUM; UDWPE attempted		
COMP 465	MATH 262; UDWPE attempted		COMP 465L
COMP 465L	MATH 262; UDWPE attempted		COMP 465
COMP 467	COMP 380/L; UDWPE attempted		COMP 467L
COMP 467L	COMP 380/L; UDWPE attempted		COMP 467
COMP 469	COMP 310; 380/L; 410; UDWPE attempted		
COMP 470	COMP 282 W/C-; MATH 262 W/C-; UDWPE attempted		
COMP 480	COMP 380/L; UDWPE attempted		COMP 480L
COMP 480L	COMP 380/L; UDWPE attempted		COMP 480
COMP 485	COMP 380/L; UDWPE attempted		
COMP 487	COMP 322/L; COMP 380/L; UDWPE attempted		
COMP 494HCP	2nd semester Jr; UDWPE; 3.0 GPA		
COMP 496CG	COMP 322/L		COMP 465/L
COMP 496EBT	COMP 322/L; 380/L; UDWPE attempted		
COMP 496GUI	COMP 322/L; COMP 380/L		
COMP 496MC	COMP 380/L; UDWPE attempted		
COMP 496NSP	COMP 424; 429; UDWPE attempted		COMP 529 or 595SEC
COMP 496SSW	COMP 424; COMP 380/L		
COMP 595ADB	COMP 440		
COMP 595EA	COMP 322/L; 380/L		
COMP 595SEC	COMP 424		
COMP 518			COMP 518L
COMP 518L			COMP 518

COMP 529	COMP 429; MATH 340 or 441		
COMP 535	COMP 322/L		
COMP 560	COMP 469		
COMP 565	COMP 322/L		COMP 565L
COMP 565L	COMP 322/L		COMP 565
COMP 585	COMP 322/L; COMP 380/L		COMP 585L
COMP 585L	COMP 322/L; COMP 380/L		COMP 585
COMP 586	COMP 322/L; 380/L		
COMP 588	COMP 380/L		
COMP 610	COMP 310; MATH 482		
COMP 615	COMP 310; MATH 482		
COMP 620	COMP 322/L; 380/L		
COMP 630	COMP 310; 380/L		
COMP 667	COMP 465/L		
COMP 680	COMP 322/L; 380/L		

## Electrical and Computer Engineering - 1/31/2005

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4. Courses not on this list have no enforced requisites

Future			
Fall 2004			
Course Number	Prerequisite	Corequisite	Recommended or Preparatory
ECE 101		ECE 101L	
ECE 101L		ECE 101	
ECE 206	MATH 150A	ECE 206L	
ECE 206L	MATH 150A	ECE 206	
ECE 240	PHYS 220B/L; MATH 250	ECE 240L	ECE 240L; MATH 280
ECE 240L	PHYS 220B/L; MATH 250	ECE 240	
ECE 320	MATH 150B		ECE 320L
ECE 320L	MATH 150B	ECE 320	
ECE 340	ECE 240	ECE 240L	ECE 340L; 350
ECE 340L	ECE 240/L	ECE 340	ECE 350
ECE 350	ECE 240		
ECE 351	ECE 350		
ECE 370	ECE 240		ECE 370L
ECE 370L	ECE 240L	ECE 370	
ECE 392	UPPER DIVISION		
ECE 400B	ECE 400A WITH C- MINIMUM		
ECE 410	ECE 350 WITH C-		ECE 410L
ECE 410L	ECE 350 WITH C-	ECE 410	
ECE 411	ECE 350		
ECE 412	ECE 340		ECE 410
ECE 420	ECE 320		
ECE 422	ECE 320		
ECE 425	ECE 320	ECE 425L	
ECE 425L		ECE 425	
ECE 435	ECE 240/L WITH C- MINIMUM	ECE 435L	ME 335 OR ECE 320
ECE 435L	ECE 240/L WITH C- MINIMUM	ECE 435	
ECE 440	ECE 340	ECE 340L	ECE 440L
ECE 440L	ECE 340	ECE 440	
ECE 442	ECE 320; 340; 350	ECE 320L; 340L	ECE 442L
ECE 442L	ECE 320/L; 340/L; 350	ECE 442	
ECE 443	ECE 320/L; ECE 340; ECE 350 (ALL W/C-)	ECE 340L	ECE 443L
ECE 443L	ECE 320/L; ECE 340/L; ECE 350 (ALL W/C-)	ECE 443	
ECE 445	ECE 340		
ECE 450	ECE 350		
ECE 455	ECE 350		
ECE 460	ECE 350		ECE 351; 450; 460L
ECE 460L	ECE 350	ECE 460	ECE 351; 450
ECE 471	ECE 370 WITH C- MINIMUM		
ECE 480	ECE 350		ECE 480L
ECE 480L	ECE 350	ECE 480	
ECE 491			

	successfully complete two 400-level ECE courses		enrollment in a 400-level ECE senior lab w/ at least 2.5 design units (on SOLAR)
ECE 492			
ECE 493	ECE 492		
ECE 501			GRADUATE
ECE 503			SENIOR
ECE 526	ECE 320/L	ECE 526L	
ECE 526L	ECE 320/L	ECE 526	
ECE 545	ECE 445; PTE		
ECE 546	ECE 442		
ECE 561	ECE 450; 460		
ECE 561L	ECE 450; 460		
ECE 562	ECE 450		
ECE 572	ECE 370; 340 or PTE		
ECE 572L	ECE 340/L; 370		ECE 572
ECE 580	ECE 351;480		
ECE 581	ECE 480		
ECE 602			PTE
ECE 603			PTE
ECE 610			
ECE 611	ECE 410		
ECE 612	ECE 610		PTE
ECE 620	ECE 320		
ECE 621	ECE 320		
ECE 622			PTE
ECE 623			ECE 620
ECE 624	ECE 320		ECE 623
ECE 625	ECE 425		
ECE 629A-B-C			PTE
ECE 635			PTE
ECE 637	ECE 450		
ECE 639			PTE
ECE 640			PTE
ECE 642			PTE
ECE 648			PTE
ECE 649	ECE 351		PTE
ECE 650	ECE 450		
ECE 651			ECE 351
ECE 652	ECE 651		
ECE 658	ECE 650		
ECE 659	ECE 450; 561		
ECE 660	ECE 460; 650		
ECE 661	ECE 650		
ECE 665	ECE 650		
ECE 666	ECE 460		
ECE 669	ECE 650		
ECE 671	ECE 471		
ECE 672	ECE 572		PTE
ECE 673	ECE 545		PTE
ECE 674	ECE 471		
ECE 675	ECE 674		PTE
ECE 676	ECE 674		PTE
ECE 678	ECE 370		PTE
ECE 681	ECE 480		
ECE 682	ECE 480		
ECE 683	ECE 682		
ECE 684	ECE 682; 650		

## Manufacturing Systems Engineering and Management - 1/31/2005

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4. Courses not on this list have no enforced requisites

Future			
Fall 2004			
Course Number	Prerequisite	Corequisite	Recommended or Preparatory
MSE 101		MSE 101L	
MSE 101L		MSE 101	
MSE 220	PHYS 100A/L	MSE 220L	
MSE 220L	PHYS 100A/L	MSE 220	
MSE 227	CHEM 101;PHYS 220A/L		
MSE 227L			
MSE 292CS			
MSE 300	ACCT 220; BLAW 280; ECON 160		
MSE 302	LDWR completed		
MSE 303	LDWR completed		
MSE 304	MATH 150B		
MSE 319		MSE 319L	
MSE 319/L		MSE 319	
MSE 362			
MSE 392	Restricted to students selected to participate in Undergraduate Research Program		
MSE 402	PTE		
MSE 403CS	PTE OR GRADUATE		
MSE 407	PTE		
MSE 409		MSE 409L	
MSE 409L		MSE 409	
MSE 410		MSE 410L	
MSE 410L		MSE 410	
MSE 412		MSE 412L	
MSE 412L		MSE 412	
MSE 415	GRADUATE student		
MSE 450	Restricted to students selected to participate in an MSEM Solutions Project		
MSE 451	Restricted to students selected to participate in a MAPLE project.		
MSE 464	SOM 306 or MSE 304 (WITH C-MINIMUM)		
MSE 488A		MSE 488AL	
MSE 488AL		MSE 488A	
MSE 488BCS			
MSE 499ABC	SENIOR/GRADUATE; PTE		
MSE 504	PTE		
MSE 505	PTE		
MSE 508		MSE 508L	
MSE 508L		MSE 508	
MSE 511		MSE 511L	
MSE 511L		MSE 511	
MSE 512	PTE		



MSE 513	PTE		
MSE 514	PTE		
MSE 516		MSE 516L	
MSE 516L		MSE 516	
MSE 527	INSTRUCTOR CONSENT	MSE 527L	
MSE 527L	INSTRUCTOR CONSENT	MSE 527	
MSE 528		MSE 528L	
MSE 528L		MSE 528	
MSE 531	PTE		
MSE 550	PTE		
MSE 601	PTE		
MSE 602	PTE		
MSE 603	PTE		
MSE 604	PTE		
MSE 606A	PTE		
MSE 607A	PTE		
MSE 607B	PTE		
MSE 607C	PTE		
MSE 608A	PTE		
MSE 608B	MSE 504 or equivalent		
MSE 608C	PTE		
MSE 609	MSE 508; MSE 603 or equivalent		
MSE 612	PTE		
MSE 614	MSE 508		
MSE 617	PTE		
MSE 622	PTE		
MSE 623	PTE		
MSE 624	PTE		
MSE 628	PTE		
MSE 629	PTE		
MSE 630	PTE		
MSE 690	PTE		
MSE 696 A,B,C	MSE 698; PTE		
MSE 698 A,B,C	PTE		
MSE 699 A,B,C	PTE		

## Mechanical Engineering - 1/31/2005

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4. Courses not on this list have no enforced requisites

Future			
Fall 2004			
Course Number	Prerequisite	Corequisite	Recommended or Preparatory
AE 400B	AE 400A WITH C- MINIMUM		
AE 472	ME 390; ME 370 (BOTH WITH C-MINIMUM)		
AE 480	PHYS 220A/L; ME 390		
AE 486A	SENIOR		
AE 486B	AE 486A		
AE 572	ME 370; 390; or equivalent		
AE 586	AE 480		
AE 589	ME390		
AE 672	AE 472; AE 589 or equivalent		
AE 680	AE 480		
AE 689	AE 589 or ME 490		
AE 694	PTE		
ME 101		ME 101L	
ME 101L		ME 101	
ME 122	LDWR completed		
ME 125	LDWR completed		
ME 286A	PHYS 220A/L	ME 286AL	MSE 227/L
ME 286AL	PHYS 220A/L	ME 286AL	MSE 227/L
ME 286B	ME 286A; PHYS 220A/L	ME 286BL	
ME 286BL	ME 286A; PHYS 220A/L	ME 286B	
ME 309	MATH 150B; ME 286B/L or COMP 106/L or ECE 206		
ME 330	ME 286B/L or COMP 106/L or ECE 240/L; ME 286B/L or COMP 106/L or ECE 206		CE 340
ME 335	ECE 240/L; ME 286B/L or COMP 106/L or ECE 206	ME 335L	
ME 335L	ECE 240/L; ME 286B/L or COMP 106/L or ECE 206	ME 335	
ME 370	MATH 250; PHYS 220A/L		
ME 375	MATH 250; PHYS 220A/L		
ME 384	AM 316; ECE 240/L	ME 390	
ME 390	MATH 250; PHYS 220A/L		
ME 400B	ME 400A WITH C- MINIMUM		
ME 409	ME 309 WITH C- MINIMUM		
ME 415	AM 316; UPPER DIVISION		
ME 430	ME 330; CE 340		
ME 432	ME 330 WITH C- MINIMUM		
ME 433	ME 390 WITH C- MINIMUM		
ME 435	ECE 240/L WITH C- MINIMUM	ME 435L	
ME 435L	ECE 240/L WITH C- MINIMUM	ME 435	
ME 470	ME 370 or equivalent.		
ME 482	ME 370		
ME 483	ME 370; ME 375 (BOTH WITH C-MIN)		
ME 484	ME 384 WITH C- MINIMUM	ME 484L	

ME 484L	ME 384 WITH C- MINIMUM	ME 484	
ME 485	ME 370		
ME 486A	SENIOR		ME 330; 384; 435
ME 486B	ME 486A		
ME 486C	PTE		
ME 490	ME 390		
ME 491	ME 335; 370; 390; 375		
ME 493	ME 390		
ME 503			SENIOR
ME 515	ME 415		ME 501A
ME 560	ME 330		
ME 562			ME 470
ME 563	ME 390		ME 384
ME 571	ME 309; 370		
ME 573	ME 370		
ME 575	ME 375 or equivalent		
ME 583			ME 470; 490
ME 584	AM 316; ME 501A		
ME 590	ME 490		
ME 630	ME 330; 415		
ME 670	ME 470; 390		
ME 675A	ME 375		
ME 675B			ME 575
ME 678			ME 575; 675B
ME 683			ME 575; 670
ME 684	ME 484		
ME 686	ME 384		ME 501A-B
ME 692	ME 309; 490		
ME 694	PTE		