

722	Numerical Analysis/Scientific Computing	925
723	Optimization	178
724	Partial Differential Equations	1021
725	Probability	856
726	Real Analysis/Advanced Calculus	1602
727	Regression	424
728	Statistics for Engineers	1769
729	Topology	108
730	Transition to Advanced Mathematics	809
731	Vector Calculus	461
732	Wavelets	151

## Biology

751	Botany	701
752	Cell Biology	1435
753	Developmental Biology	398
754	Ecology	968
755	Environmental Science	695
756	Evolution	793
757	Genetics	1307
758	Immunology	467
759	Microbiology	1244
760	Molecular Biology	365
761	Neuroscience	678
762	Virology	148

## Chemistry

801	Advanced Organic Chemistry	499
802	Biochemistry	1381
803	Chemical/Instrumental Analysis	748
804	Environmental Chemistry	177
805	Green Chemistry	131
806	Inorganic Chemistry	745
807	Organic Chemistry	3008
808	Organometallic Chemistry	171
809	Physical Chemistry	1135
810	Physical Chemistry for Life Sciences	569
811	Spectroscopy	336

## Physics & Astronomy

851	Astobiology	163
852	Astrophysics	562
853	Atomic Physics	79
854	Biophysics	284
855	Classical Mechanics	81
856	Cosmology	183
857	Electrodynamics	1072
858	Experimentation & Error Analysis	401
859	Galaxies & Galactic Structures	135
860	Mathematical Methods for Physics/Computational Physics	644
861	Modern Physics	688
862	Nuclear & Particle Physics	401
863	Optics	433
864	Physics of Waves	123
865	Plasma Physics	151
866	Quantum Computation	96
867	Quantum Field Theory	421
868	Quantum Mechanics	1102
869	Radiation Detection	183
870	Relativity	245
871	Solid State Physics	560
872	Statistical Thermodynamics	331
873	Thermal Physics	611

### List Quality

- The most accurate technical faculty mailing lists available
- Specializing in scientific and technical markets
- Current; completely updated every semester

### Email Services

NAVSTEM delivers highly relevant, targeted emails resulting in average open rates >40%

NAVSTEM is CAN-SPAM compliant and does not engage in broad email blasts, surveys, or repeat emails to the same list. NAVSTEM does not sell faculty email lists.

### Pricing

NAVSTEM mailing lists and email deployment services are customized and priced on a project by project basis. Pricing typically ranges from \$295-\$1500 per mailing list and \$750-\$2500 per email campaign. For further information contact us solutions@navstem.com.

*"NAVSTEM has been invaluable in our marketing to Computer Science and Engineering instructors. I don't know of anyone with more current and comprehensive lists of courses and instructors."*

— **Curt Johnson**

Executive Channel Marketing Manager, Pearson

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— **Michelle Pullano**

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— **Orelia Chernock**

Portfolio Marketing Manager, Elsevier

NAVSTEM collaborates with us to produce a custom list and enables us to deliver information about new publications to a carefully targeted audience.

— **Bruce Bailey**

Marketing Associate, Society for Industrial and Applied Mathematics

## NAVSTEM Direct

Higher quality lists, higher quality responses

## Engineering

### General Engineering

101	Engineering Ethics	279
102	Entrepreneurship	105
103	Freshman Engineering Design	177
104	Introduction to Engineering	593
105	LabVIEW	179
106	MathCAD	52
107	MATLAB	1109
108	Numerical Methods	801
109	Spreadsheets for Engineers	155
110	Technical Writing/Communication	798

### Engineering Graphics/CAD

121	AUTOCAD	266
122	Autodesk Civil 3D	62
123	Autodesk Inventor	91
124	Autodesk Revit	140
125	Creo - Pro/Engineer	134
126	Engineering Graphics	420
127	SolidWorks	429
128	Technical Drawing	114

### Bioengineering

141	Biomaterials	233
142	Biomechanics	315
143	Biomedical Instrumentation	225
144	Bioprocess Engineering/Biochemical Engineering	211
145	Biotechnology	147
146	Introduction to Bioengineering	155
147	Medical Image Processing	211
148	Tissue Engineering	73
149	Transport Phenomena for Bioengineering	99

### Chemical & Nuclear Engineering

161	Air Pollution Control	210
162	Chemical Engineering Fluid Mechanics	128
163	Chemical Engineering Thermodynamics	439
164	Chemical Process/Plant Design	322
165	Chemical Reaction Engineering	459
166	Elementary Principles of Chemical Processes	479
167	Mass Transfer/Unit Operations	806
168	Nuclear Engineering	255
169	Numerical Methods for Chemical Engineers	105
170	Petroleum & Natural Gas Engineering	347
171	Process Dynamics/Control/Modeling	270
172	Transport Phenomena	378

### Civil & Environmental Engineering

#### Construction & Architectural Engineering

201	Construction Cost Estimating	295
202	Construction Management/Methods/Planning	588
203	Legal Aspects of Engineering	196
204	Materials for Civil Engineers	303
205	Mechanical & Electrical Equipment for Buildings	279
206	Pavement Design	124
207	Structures for Architects	220
208	Surveying	378
209	Sustainable Construction	196

# NAVSTEM

## Direct

## Specialized Faculty Mailing Lists

## NAVSTEM Direct

Higher quality lists, higher quality responses

## Environmental

221	Chemistry for Environmental Engineers	479
222	Hazardous Waste Treatment	89
223	Introduction to Environmental Engineering & Science	581
224	Solid Waste Treatment	58
225	Sustainability Engineering & Science	163
226	Water Quality/Wastewater Treatment	544

## Geotechnical

241	Engineering Geology	73
242	Foundation Engineering	278
243	Geotechnical Engineering/Soil Mechanics	581

## Hydrology

251	Groundwater Mechanics	286
252	Hydrology/Hydraulic Engineering	689
253	Open Channel Flow	95
254	Stormwater Hydrology	48

## Structural

261	Earthquake Engineering	85
262	Finite Elements	599
263	Matrix Structural Analysis	88
264	Prestressed Concrete	84
265	Reinforced Concrete	453
266	Steel Structures	438
267	Structural Analysis	521
268	Structural Dynamics	212
269	Structural Wood Design	130

## Transportation

281	Traffic Engineering	375
282	Transportation Engineering	158
283	Urban Transportation/Route Design	96

## Electrical & Computer Engineering

### Circuits & Electronics

301	Analog Circuits	220
302	Circuit Analysis & Design	1378
303	Digital Circuits/CMOS VLSI	399
304	Introduction to Electrical Engineering	481
305	Microelectronics	880
306	Nanoscience/Nanotechnology	292
307	RF Circuits/Microwave Engineering	273
308	SPICE/Electronics Workbench	98

### Computer Engineering

320	ARM Microprocessors	210
321	Computer Architecture	432
322	Computer Organization	1301
323	Digital Design	968
324	Digital Systems Testing/Fault Tolerance	45
325	Embedded Systems Design	271
326	Intel 8051 Microcontrollers	93
327	MS-P430 Microcontrollers	77
328	Motorola 68HC11/12/MCS Microcontrollers	253
329	PIC Microcontrollers	88
330	Verilog	152
331	VHDL	148

## Controls

341	Control Systems	944
342	Digital Control	137
343	Linear Systems	239
344	Nonlinear Systems	155
345	Robotics	438
346	Robust/Optimal Control	124

## Electromagnetics & Semiconductors

351	Advanced Electromagnetics	133
352	Antenna Theory	148
353	Electromagnetics	641
354	Microelectronic Fabrication	292
355	Nonlinear Optics	44
356	Optical Communication	153
357	Optoelectronics/Lasers	137
358	Semiconductor Device Physics	312
359	Solid State Devices	433

## Power & Machines

371	Electric Machinery	487
372	Power Electronics	269
373	Power Systems	455

## Signals, Systems and Communications

381	Communication Systems	444
382	Digital Communication	163
383	Digital Signal Processing	488
384	Error Control/Coding/Data Compression	321
385	Image Processing	293
386	MEMS/Microsensors	170
387	Neural Networks	178
388	Probability/Random Processes	519
389	Real-Time Systems	58
390	Signals & Systems	913
391	Speech Processing	44
392	Statistical Signal Processing	83
393	Wireless Communications	258

## Industrial & Manufacturing Engineering

401	Computer Aided Manufacturing	193
402	Design of Experiments	418
403	Engineering Economics	793
404	Entrepreneurship for Engineers	105
405	Ergonomics	202
406	Facility Layout/Design	149
407	Management of Technology/Innovation	178
408	Manufacturing Processes	593
409	Motion & Time Study	89
410	Operations Research	381
411	Production, Operations & Supply Chain Management	936
412	Project Management	541
413	Quality Control/Total Quality Management	438
414	Reliability Engineering	95
415	Safety Engineering/Management	102
416	Simulation	385
417	Systems Engineering	174

## Materials Engineering

431	Ceramic Engineering	103
432	Composite Materials	244
433	Corrosion	78

## Computer Science

601	Algorithms	1255
602	Artificial Intelligence	563
603	ASP.NET	129
604	Bioinformatics	431
605	C#	215
605	Compilers	239
605	Computer Ethics	448
605	Computer Forensics	164
609	Computer Graphics/OPENGL	382
610	Computer Networks	1060
611	Computer Security	1103
611	Computer Vision	121
611	CS0 - Introduction to Computer Science	175
614	CS1/Intro Programming in C	849
615	CS1/Intro Programming in C++	198
616	CS1/Intro Programming in Java	1602
617	CS1/Intro Programming in Python	715
618	CS2 in C/C++	522
619	CS2 in Java	564
620	Data Mining/Data Science	735
621	Database Systems	687
622	Distributed Systems	188
623	Evolutionary Computation	147
624	Game Programming	234
625	JavaScript	145
626	Linux/UNIX	389
627	Machine Learning/Pattern Recognition	732
628	Natural Language Processing	98
629	Object-Oriented Design	647
630	Operating Systems	845
631	Parallel Programming	266
632	PHP/MySQL	192
633	Programming Languages	483
634	Software Engineering	641
635	Software Project Management	218
636	Software Quality, Measurement, Testing	156
637	Theory of Computation	645
638	User Interface Design/HCI	419
639	Visual BASIC	371
640	Web Programming & Design	577

## Mathematics & Statistics

701	Abstract Algebra	1471
702	Advanced Engineering Math	880
703	Algebraic Geometry	103
704	Combinatorics	358
705	Complex Analysis	1040
706	Differential Equations	1796
707	Discrete Math	1702
708	Financial Mathematics	379
709	Functional Analysis	181
710	Geometry	278
711	Graph Theory	210
712	History of Mathematics	265
713	Introductory Linear Algebra	2575
714	Linear/Matrix Algebra	839
715	Logic for Math and Computer Science	197
716	Mathematical Biology	209
717	Mathematical Cryptography	281
718	Mathematical Modeling	199
719	Mathematical Statistics	1057
720	Nonlinear Dynamics/Chaos	624
721	Number Theory	488

## Materials Engineering (cont.)

434	Electrical Properties of Materials	225
435	Materials Characterization	138
436	Materials Science & Engineering	1266
437	Materials Selection	213
438	Mechanical Behavior of Materials/Fracture Mechanics	409
439	Metalurgical Engineering	211
440	Polymer Engineering	432
441	Thermodynamics of Materials	127

## Mechanical & Aerospace Engineering

### Aerospace

451	Aerodynamics	274
452	Aircraft Design	109
453	Aircraft Structural Analysis	127
454	Flight Mechanics/Dynamics	182
455	Introduction to Flight	148
456	Propulsion	251
457	Space Flight Dynamics	287
458	Turbulence	101

### Energy Engineering

461	Fuel Cell Engineering	73
462	Photovoltaics/Solar Energy	125
463	Renewable Energy	457
464	Wind Energy	48

### Machines, Vibrations, Sys. Dynamics & Design

471	Engineering Design (Capstone)	544
472	Kinematics	293
473	Machine Design	802
474	Measurement and Instrumentation	496
475	Mechatronics	155
476	System Dynamics	372
477	Vibrations	408

### Mechanics

481	Advanced Dynamics	168
482	Advanced Mechanics of Materials	283
483	Continuum Mechanics	187
484	Engineering Mechanics: Dynamics	953
485	Engineering Mechanics: Statics (& Combined)	1360
486	Mechanics of Materials	1244
487	Statics & Mechanics of Materials	271
488	Theory of Elasticity	118
489	Vehicle Dynamics	85

### Thermo-Fluids

491	Advanced Fluid Mechanics/Viscous Fluid Flow	381
492	Combustion	122
493	Computational Fluid Dynamics	233
494	Convective Heat Transfer	120
495	Fluid Mechanics	1301
496	Gas Dynamics/Compressible Flow	234
497	Heat Conduction	65
498	Heat Transfer	678
499	HVAC (Heating, Ventilating & Air Conditioning)	171
500	Radiative Heat Transfer	73
501	Thermal Systems Design	105
502	Thermodynamics	1231
503	Thermodynamics & Heat Transfer (Thermal Science)	276