

College of Engineering and Computer Science

AEE - Aerospace Engineering

AEE 342	Aerodynamics — Prereq: MAE 341.	34093	SEC	M001	WF	09:30AM-10:25AM 09:35AM-11:35AM	Dannenhoffer	4.0	
AEE 343	Compressible Flow — Prereq: MAE 251 and 341.	34182	SEC	M001	TTh	09:30AM-10:50AM	Dang	3.0	
		34220	LAB	M002	F	10:35AM-12:35PM	Dang		
		34221	LAB	M003	W	02:15PM-04:15PM	Dang		
		34231	LAB	M005	M	05:15PM-07:15PM	Dang		
		34222	LAB	M006	T	05:00PM-07:00PM	Dang		
		34223	LAB	M007	Th	05:00PM-07:00PM	Dang		
AEE 472	Synth of Aerosp Systems — Prereq: AEE 427.	34094	SEC	M001	T	11:00AM-12:20PM	Dalir	4.0	
		34152	REC	M002	Th	09:30AM-10:50AM 11:00AM-12:20PM	Dalir		
AEE 527	Helicopter Dynamics — Prereq: AEE 342 and 427.	34323	SEC	M001	MW	12:45PM-02:05PM	Murthy	3.0	
AEE 577	Intro to Space Flight — Prereq: ECS 222.	34156	SEC	M001	MW	03:45PM-05:05PM	Sanyal	3.0	

BEN - Bioengineering

BEN 212	Exp Mthds:Chem Engr&BioEngrg — Prereq: MAT 296 and ECS 104. Crosslisted with CEN 212.	34230	SEC	M001	TTh	12:30PM-01:50PM	Hosein	3.0	
BEN 341	Fndmntls of Heat&Mass Transfer — Prereq: CEN 333 or BEN 333. Crosslisted with CEN 341. <i>Register for Recitation M003 or M004; Section M001 will autoenroll.</i>	34244	SEC	M001	TTh	02:00PM-03:20PM	Sureshkumar	4.0	
		34258	REC	M003	Th	12:30PM-01:25PM	Sureshkumar		
		34259	REC	M004	W	10:35AM-11:30AM	Sureshkumar		
BEN 364	Quantitative Physiology — Prereq: BEN 301. Double numbered with BEN 664.	34242	SEC	M001	TTh	09:30AM-10:50AM	Soman	4.0	
		34253	LAB	M002	M	02:15PM-05:05PM	Soman		
		34254	LAB	M003	W	02:15PM-05:05PM	Soman		
		34255	LAB	M004	F	02:15PM-05:05PM	Soman		
BEN 400	Selected Topics	34347	SEC	M003	TTh	05:00PM-06:20PM	Oaden	3.0	Class Topic: Med Image Process & Analysis.
BEN 462	Biofuels — Crosslisted with CEN 462, CEN 662. Double numbered with BEN 662.	34383	SEC	M001	MWF	09:30AM-10:25AM	Bond	3.0	
BEN 468	Biomaterials & Medical Devices — Double numbered with BEN 668.	34148	SEC	M001	TTh	11:00AM-12:20PM	Hasenwinkel	3.0	
BEN 487	Bioengrng Capstone Design	34270	SEC	M001	TTh	05:00PM-06:20PM	Yung	3.0	
BEN 541	Principles of Tissue Engrng	34197	SEC	M001	TTh	12:30PM-01:50PM	Henderson	3.0	
BEN 575	Process Control — Crosslisted with CEN 575.	34245	SEC	M001	MW	05:15PM-06:35PM	Santanam	3.0	Meets with CEN 575.
BEN 600	Selected Topics	34346	SEC	M006	TTh	05:00PM-06:20PM	Ogden	3.0	Class Topic: Med Image Process & Analysis.
BEN 601	BMCE Seminar — Crosslisted with CEN 601.	34200	SEC	M001	F	12:45PM-02:05PM	Nangia Sureshkumar	0.0	
BEN 638	Open Pblms in Soft Interfaces — Crosslisted with BIO 638, CEN 638, PHY 638.	34396	SEC	M001	MW	05:15PM-06:35PM	Staff	3.0	
BEN 662	Biofuels — Crosslisted with CEN 462, CEN 662. Double numbered with BEN 462.	34385	SEC	M001	MWF	09:30AM-10:25AM	Bond	3.0	
BEN 664	Quantitative Physiology — Prereq: BEN 301. Double numbered with BEN 364.	34243	SEC	M001	TTh	09:30AM-10:50AM	Soman	4.0	
		34256	LAB	M002	F	02:15PM-05:05PM	Soman		
BEN 668	Biomaterials & Medical Devices — Double numbered with BEN 468.	34149	SEC	M001	TTh	11:00AM-12:20PM	Hasenwinkel	3.0	
BEN 997	Thesis for the M.S. Degree	34161	SEC	M001	TBA		Staff	1.0	6.0

CEN - Chemical Engineering

CEN 212	Exp Mthds:Chem Engr&BioEngrg — Prereq: MAT 296 and ECS 104. Crosslisted with BEN 212.	34150	SEC	M001	TTh	12:30PM-01:50PM	Hosein	3.0	
CEN 252	Chem Engrng Thrmodynms I — Prereq: CEN 231.	34095	SEC	M001	MW	02:15PM-03:25PM	Cadwell	3.0	Tuesday Evening Exams.
CEN 311	Chemical Engr Lab I — Coreq: CEN 341.	34096	SEC	M001	M	12:45PM-03:30PM	Cadwell	2.0	
					M	12:45PM-03:30PM			
		34215	SEC	M002	W	12:45PM-03:30PM	Cadwell	2.0	
					W	12:45PM-03:30PM			
		34304	SEC	M003	W	08:25AM-11:10AM	Cadwell	2.0	
					W	08:25AM-11:10AM			
CEN 341	Fndmntls of Heat&Mass Transfer — Prereq: CEN 333 or BEN 333. Crosslisted with BEN 341. <i>Register for one Recitation M006 or M008; Section M005 will auto-enroll.</i>	34342	SEC	M005	TTh	09:30AM-10:50AM	Martin	4.0	
		34343	REC	M008	M	10:35AM-11:30AM	Martin		
CEN 400	Selected Topics	34547	SEC	M001	TBA		Bond	1.0	6.0 Class Topic: Service Energy & Sustainabliti. Instructor Consent Required.
CEN 462	Biofuels — Crosslisted with BEN 462, BEN 662. Double numbered with CEN 662.	34382	SEC	M001	MWF	09:30AM-10:25AM	Bond	3.0	
CEN 520	Radioche,NF Reproc&Nonprolif — Prereq: NUC 301. Crosslisted with NUC 520.	34308	SEC	M001	MW	03:45PM-05:00PM	Tavlarides	3.0	
CEN 551	Biochemical Engineering — Prereq: CHE 275 and (CEN 333 or BEN 333).	34224	SEC	M001	TTh	12:30PM-01:50PM	Ren	3.0	

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Subject & Cat Nbr	Course Title		Component		Meeting Days & Times	Instructor	Min Max		Comments
	Class Nbr	Type	Nbr	Units			Units	Units	
CEN 574	Process Design — Prereq: CEN 353 and 587.								
	34157	SEC	M001	TTh	09:30AM-10:50AM 08:00AM-09:20AM	Duca	4.0		
CEN 575	Process Control — Prereq: MAT 485. Crosslisted with BEN 575.								
	34159	SEC	M001	MW	05:15PM-06:35PM	Santanam	3.0		Meets with BEN 575.
CEN 576	Green Engineering — Prereq: CEN 341 and 353.								
	40748	SEC	M001	MW	11:40AM-12:35PM	Santanam	3.0		
CEN 600	Selected Topics								
	41395	SEC	M005	TTh	03:30PM-04:50PM	Sangani	1.0	6.0	Class Topic: Modeling & Simulator Chem Proc. CEN Grad Students Only.
CEN 601	BMCE Seminar — Crosslisted with BEN 601.								
	34458	SEC	M001	F	12:45PM-02:05PM	Nangia Sureshkumar	0.0	1.0	
CEN 638	Open Pblms in Soft Interfaces — Crosslisted with BEN 638, BIO 638, PHY 638.								
	34395	SEC	M001	MW	05:15PM-06:35PM	Staff	3.0		
CEN 651	Chem Egr Thermodynamics								
	34307	SEC	M001	TTh	11:00AM-12:20PM	Nangia	3.0		
CEN 662	Biofuels — Crosslisted with BEN 462, BEN 662. Double numbered with CEN 462.								
	34384	SEC	M001	MWF	09:30AM-10:25AM	Bond	3.0		
CEN 786	Kinetics — Prereq: CEN 587, 651, 671.								
	34226	SEC	M001	TTh	05:00PM-06:20PM	Tavlarides	3.0		
CEN 997	Masters Thesis								
	34554	SEC	M001	TBA		Staff	1.0	6.0	
CIE - Civil Engineering									
CIE 274	Sustainability Civ&Env Systems — Prereq: CHE 106 or 109 or 151 and MAT 296.								
	<i>Register for Section M001; Recitation M002 will auto-enroll.</i>								
	34213	SEC	M001	MW	02:15PM-03:35PM	Dannenhoffer Davidson	3.0		
	34296	REC	M002	T	05:00PM-05:55PM	Dannenhoffer Davidson			
				T	05:00PM-05:55PM	Staff			
				T	05:00PM-05:55PM				
				T	05:00PM-05:55PM				
CIE 326	Engineering Materials								
	<i>Register for one Recitation M002 - M004; Section M001 will auto-enroll.</i>								
	34299	SEC	M001	TTh	08:00AM-09:20AM	Salman	3.0		
	34301	REC	M003	M	11:40AM-12:35PM	Salman			
CIE 329	Stats & Risk Civil Env Eng — Prereq: MAT 485 or 331.								
	<i>Register for one Lab M002 or M003; Section M001 will auto-enroll.</i>								
	40907	SEC	M001	MW	12:45PM-02:05PM	Johnson	4.0		
	40908	LAB	M002	T	12:30PM-01:50PM	Johnson			
	40909	LAB	M003	Th	12:30PM-01:50PM	Johnson			
CIE 332	Design of Concrete Structures — Prereq: CIE 331.								
	<i>Register for Recitation M003; Section M001 will auto-enroll.</i>								
	34097	SEC	M001	MW	03:45PM-05:05PM	Aboutaha	3.0		
	34239	REC	M003	Th	02:00PM-03:20PM	Aboutaha			
CIE 338	Foundation Engineering — Prereq: CIE 337.								
	34098	SEC	M001	TTh	09:30AM-10:50AM	Negusseay	3.0		
CIE 352	Water Resources Engineering — Prereq: CIE 327 or MAE 341.								
	<i>Register for Lab M002 or M003; Section M001 will auto-enroll.</i>								
	34324	SEC	M001	TTh	03:30PM-04:50PM	Todorova	4.0		
	34325	LAB	M002	T	12:30PM-01:50PM	Todorova			
	34326	LAB	M003	Th	12:30PM-01:50PM	Todorova			
CIE 400	Selected Topics								
	<i>Register for Section M001; Recitation M003 will auto-enroll.</i>								
	40913	SEC	M001	MW	05:15PM-06:35PM	Ataei	3.0		Class Topic: Const Reg & Orgnl Management. Meets with CIE 600, M001.
	34390	SEC	M002	MW	03:45PM-05:05PM	Salman	3.0		Class Topic: Const Estimating & Scheduling. Meets with CIE 600, M002.
	40916	REC	M003	M	06:45PM-08:05PM	Ataei			Class Topic: Const Reg & Orgnl Management.
	34503	SEC	M005	TTh	12:30PM-01:50PM	Siegel	3.0		Class Topic: Contaminant Hydrogeology. Instructor Consent Required. Meets with CIE 600, M005; EAR420/620.
CIE 475	Civ/Envl Engrg Design								
	34099	SEC	M001	MW	12:45PM-02:05PM	Ataei Ketcham Steinberg	4.0		
				MWF	02:15PM-03:35PM				
				F	12:45PM-03:30PM				
CIE 499	Honors Capstone Project								
	34357	SEC	M002	TBA		Staff	1.0	3.0	
CIE 535	Strctrl Steel Design — Prereq: CIE 331.								
	40931	SEC	M001	TTh	05:00PM-06:20PM	Lui	3.0		
CIE 549	Designing with Geofoam — Prereq: CIE 338.								
	41332	SEC	M001	F	09:30AM-12:15PM	Negusseay	3.0		
CIE 551	Energy Conversion — Crosslisted with MAE 551.								
	34348	SEC	M001	Th	05:00PM-07:45PM	Khalifa	3.0		
CIE 584	Design W/Geosynthetics — Prereq: CIE 337.								
	34485	SEC	M001	TBA		Staff	3.0		
CIE 600	Selected Topics								
	<i>Register for Section M001; Recitation M003 will auto-enroll.</i>								
	40914	SEC	M001	MW	05:15PM-06:35PM	Ataei	3.0		Class Topic: Const Reg & Orgnl Management. Meets with CIE 400, M001.
	34391	SEC	M002	MW	03:45PM-05:05PM	Salman	3.0		Class Topic: Const Estimating & Scheduling. Meets with CIE 400, M002.
	34500	REC	M003	M	06:45PM-08:05PM	Ataei			Class Topic: Const Reg & Orgnl Management.
	34504	SEC	M004	TTh	09:30AM-10:50AM	Kelleher	3.0		Class Topic: Modeling of Earth Systems.
	34505	SEC	M005	TTh	12:30PM-01:50PM	Siegel	3.0		Class Topic: Contaminant Hydrogeology. Instructor Consent Required. Meets with CIE 400, M005; EAR420/620.
	40939	SEC	M006	TTh	02:00PM-03:20PM	Lotter	3.0		Class Topic: Environmental Data Analysis.
	40940	SEC	M007	TTh	03:30PM-04:50PM	Zenq	3.0		Class Topic: Chem Org Contam in Enviro Sys.
CIE 634	Stability Analysis Struc. Sys								
	40943	SEC	M001	TTh	03:30PM-04:50PM	Lui	3.0		
CIE 635	Adv Reinforced Concr Des								
	40944	SEC	M001	MW	02:15PM-03:35PM	Aboutaha	3.0		

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Subject & Cat Nbr	Course Title		Component Type	Nbr	Meeting Days & Times	Instructor	Min Units	Max Units	Comments
	Class Nbr								
CIE 639	Sustnl Dvlpmt & Infrstrct Mgt — Crosslisted with ECS 636.								
	34487	SEC	M001	TTh	12:30PM-01:50PM	Salman	3.0		Meets with ECS 636.
CIE 641	Seepage & Earth Dam Desgn — Prereq: CIE 337.								
	40951	SEC	M001	TTh	09:30AM-10:50AM	Bhatia	3.0		
CIE 653	Applied Aquatic Chemistry — Prereq: CIE 471 or 671.								
	40964	SEC	M001	MW	02:15PM-03:35PM	Driscoll Jr	3.0		
CIE 660	Seminar Civil Engineering								
	34491	SEC	M001		TBA	Buchanan	0.0		
CIE 690	Independent Study								
	40966	SEC	M001		TBA	Staff	1.0	6.0	Department Consent Required. Proposal required.
CIE 700	Selected Topics								
	34355	SEC	M001	F	12:45PM-02:05PM	Driscoll Jr	1.0		Class Topic: Water Seminar.
CIE 995	Master's Exit Paper								
	34345	SEC	M001		TBA	Buchanan	0.0		
CIE 996	Master's Project								
	34100	SEC	M001		TBA	Staff	3.0		Department Consent Required.
CIE 997	Masters Thesis								
	34101	SEC	M001		TBA	Staff	1.0	6.0	Department Consent Required.
CIS - Computer & Info Science									
CIS 223	Statistical Reasoning/Practice — Prereq: MAT 194.								
	34443	SEC	M001	W	05:15PM-08:00PM	Staff	3.0		
CIS 252	Intro. Comp. Sci.								
	<i>Register for one Lab, M002 - M006; Section M001 will auto-enroll.</i>								
	34102	SEC	M001	TTh	12:30PM-01:50PM	Staff	4.0		
	34103	LAB	M002	W	10:35AM-11:30AM	Staff			
	34104	LAB	M003	W	12:45PM-01:40PM	Staff			
	34105	LAB	M004	W	03:45PM-04:40PM	Staff			
	34106	LAB	M005	W	02:15PM-03:10PM	Staff			
	34397	LAB	M006	W	11:40AM-12:35PM	Staff			
	34398	SEC	M007	TTh	03:30PM-04:50PM	Staff	4.0		Register for one Lab, M008 - M0012; Section M007 will auto-enroll.
	34399	LAB	M008	W	10:35AM-11:30AM	Staff			
	34400	LAB	M009	W	12:45PM-01:40PM	Staff			
	34401	LAB	M010	W	03:45PM-04:40PM	Staff			
	34402	LAB	M011	W	02:15PM-03:10PM	Staff			
	34403	LAB	M012	W	11:40AM-12:35PM	Staff			
	34509	SEC	M013	TTh	02:00PM-03:20PM	Older	4.0		
	34510	LAB	M014	W	10:35AM-11:30AM	Older			
	34511	LAB	M015	W	12:45PM-01:40PM	Older			
	34512	LAB	M016	W	03:45PM-04:40PM	Older			
	34513	LAB	M017	W	02:15PM-03:10PM	Older			
	34514	LAB	M018	W	11:40AM-12:35PM	Older			
CIS 321	Intro to Probability/Stat — Prereq: MAT 295.								
	34237	SEC	M001	TTh	11:00AM-12:20PM	Staff	4.0		
CIS 341	Cptr Organ&Progrmmng Syst — Prereq: ECS 102 or CIS 252.								
	<i>Enroll in Recitation M002 or M003; Section M001 will auto-enroll.</i>								
	34261	SEC	M001	TTh	03:30PM-04:50PM	Staff	3.0		
	34262	REC	M002	W	09:30AM-10:25AM	Staff			
	34268	REC	M003	M	02:15PM-03:10PM	Staff			
CIS 342	Intro to Systems Programming — Prereq: CIS 351; Coreq: CIS 341.								
	34292	SEC	M001	M	05:15PM-06:35PM	Staff	1.0		
CIS 352	Progrmmng Lang:Thry&Prctc — Prereq: CIS 275 and 351.								
	34166	SEC	M001	TTh	09:30AM-10:50AM	Royer	3.0		
CIS 400	Selected Topics								
	34426	SEC	M001	F	11:40AM-02:25PM	Du	3.0		Class Topic: Android Programming.
	34440	SEC	M002	Th	05:00PM-07:45PM	Staff	3.0		Class Topic: Fndmntls/Data&Knwldg Mnng/BgDt.
	34562	SEC	M003	MW	03:45PM-05:05PM	Blair	3.0		Class Topic: Artfcl Intl: Knwldg Rprsrnt.
	34559	SEC	M006	TTh	11:00AM-12:20PM	Chapin	3.0		Class Topic: Building Assured Components. Department Consent Required. Permission required.
	34354	SEC	M007	TTh	02:00PM-03:20PM	Yu	3.0		Class Topic: Princ. of Social Media Mining.
CIS 425	Intro Comp. Graphics — Prereq: CIS 351 or CSE 382.								
	34519	SEC	M001	MW	02:15PM-03:35PM	Baruch	3.0		
CIS 444	Mobile Application Programming — Prereq: CIS 351 or CSE 382. Crosslisted with CSE 444, CSE 651. Double numbered with CIS 651.								
	34340	SEC	M001	TTh	09:30AM-10:50AM	Staff	3.0		
CIS 454	Software Implementation — Prereq: CIS 453.								
	<i>Register for Rec M002, Section M001 will auto-enroll.</i>								
	34107	SEC	M001	M	03:45PM-05:05PM	Yu	3.0		
	34175	REC	M002	TTh	11:00AM-12:20PM	Yu			
CIS 458	Data Ntwks:Basic Princpls — Prereq: CIS 321 or MAT 521. Crosslisted with CSE 458, ELE 458.								
	34293	SEC	M001	TTh	05:00PM-06:20PM	Tang	3.0		
				W	11:40AM-12:35PM				
CIS 473	Automata and Computability — Prereq: CIS 275 or MAT 275.								
	34144	SEC	M001	MWF	10:35AM-11:30AM	Lee	3.0		
CIS 488	Intro to Internet Security — Prereq: CIS 486 or CSE 486. Crosslisted with CSE 488.								
	34404	SEC	M001	TTh	12:30PM-01:50PM	Du	3.0		
				F	10:35AM-11:30AM				
CIS 600	Selected Topics								
	34421	SEC	M001	F	11:40AM-02:25PM	Du	3.0		Class Topic: Android Programming.
	34441	SEC	M002	Th	05:00PM-07:45PM	Staff	3.0		Class Topic: Fundamentals / Data & Knwldg M.
	34450	SEC	M003	M	05:15PM-08:00PM	Staff	3.0		Class Topic: Software Engineering.
	34548	SEC	M004	MW	03:45PM-05:05PM	Blair	3.0		Class Topic: Artfcl Intl: Knwldg Rprsrnt.
	34541	SEC	M801		TBA	Du	3.0		Class Topic: Android Programming. O2 = Online Asynchronous Residency.
CIS 607	Mathmat. Basis for Computing								
	34167	SEC	M001	TTh	02:00PM-03:20PM	Blair	3.0		
CIS 612	Cloud Computing — Crosslisted with CSE 612.								
	34336	SEC	M001	W	05:15PM-08:00PM	Tang	3.0		
CIS 623	Strctrd Progr&Formal Meth — Prereq: CIS 607/CSE 607.								
	34168	SEC	M001	MW	02:15PM-03:35PM	Lee	3.0		
CIS 644	Internet Security — Crosslisted with CSE 644.								
	34232	SEC	M001	TTh	12:30PM-01:50PM	Du	3.0		
CIS 651	Mobile Application Programming — Crosslisted with CSE 444, CSE 651. Double numbered with CIS 444.								
	34339	SEC	M001	TTh	09:30AM-10:50AM	Staff	3.0		
CIS 652	Building Assured Components — Prereq: CIS 634.								
	34542	SEC	M001	TTh	11:00AM-12:20PM	Chapin	3.0		

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Subject & Cat Nbr	Course Title		Meeting Days & Times	Instructor	Min Max Units	Comments
	Class Nbr	Component Type Nbr				
CIS 655	Computer Architecture — Prereq: CIS 341.					
	34169	SEC M001	TTh 05:00PM-06:20PM	Wang	3.0	
CIS 657	Prncpls Operating Systems — Prereq: CIS/CSE 486 or equivalent.					
	34248	SEC M001	MW 08:00AM-09:20AM	Markowski	3.0	Register for section M002 or M003; M001 will auto-enroll.
	34309	LAB M002	Th 05:00PM-07:45PM	Markowski		
	34437	LAB M003	W 05:15PM-08:00PM	Markowski		
CIS 668	Natural Language Processing — Crosslisted with IST 664.					
	34537	SEC M001	W 02:00PM-04:45PM	Xiao	3.0	
CIS 675	Desgn&Analys of Algorithms — Prereq: CIS 607/CSE 607.					
	34257	SEC M001	TTh 11:00AM-12:20PM	Soundarajan	3.0	
CIS 687	Object Oriented Design — Crosslisted with CSE 687.					
	34284	SEC M001	TTh 08:00AM-09:20AM	Fawcett	3.0	
	34285	SEC M002	TTh 11:00AM-12:20PM	Fawcett	3.0	
CIS 700	Selected Topics In CIS					
	34423	SEC M001	MW 03:45PM-05:05PM	Phoha	3.0	Class Topic: Machine Learning Mthds in Secu.
	34517	SEC M002	TTh 03:30PM-04:50PM	Yu	3.0	Class Topic: Text Mining for Social Media.
	34414	SEC M004	F 09:30AM-12:15PM	Tang	3.0	Class Topic: Big-Data and Cloud Security. This course is on the advanced topics of secure computation, recently revitalized by the advent of "big data and cloud computing". The course will cover sample topics as following: 1. big-data query processing (e.g. Hive, Apache Calcite) 2. secure cloud-side hardware and program execution (e.g. Intel SGX) 3. secure multi-party computation (e.g. MPC) The course will emphasize both theoretic and practical aspects (e.g. hands-on experience). Class Topic: Social Media Mininq. Instructor Consent Required.
	34538	SEC M005	MW 03:45PM-05:05PM	Zafarani	3.0	
CIS 997	Masters Thesis					
	34155	SEC M001	TBA	Staff	1.0 6.0	Department Consent Required.
CPS - Computational Science						
CPS 100	Selected Topics					
	34546	SEC M001	MW 11:40AM-01:00PM	Staff	3.0	Class Topic: Python Programming/Beginners.
	34555	SEC M002	MW 02:15PM-03:35PM	Wang	3.0	Class Topic: DB Programming/Beginners.
CPS 181	Introduction to Computing					
	34165	SEC M001	MW 03:45PM-05:05PM	Wang	3.0	Includes Lab. For non CE, CIS majors.
CPS 196	Intro to Computer Programming					
	34174	SEC M001	TTh 05:00PM-06:20PM	Staff	3.0	Includes Lab. For non CE, CIS majors.
CSE - Computer Engineering						
CSE 261	Digital Logic Design					
	<i>Register for one Recitation M002 - M003; Section M001 will auto-enroll.</i>					
	34108	SEC M001	MWF 11:40AM-12:35PM	Chin	3.0	
	34145	REC M002	T 09:30AM-10:25AM	Chin		
CSE 262	Digital Sys Design/Simulation — Coreq: CSE 261.					
	34534	SEC M001	F 12:45PM-03:45PM	Ercanli	1.0	
CSE 283	Object-Oriented Design — Prereq: ECS 102.					
	34444	SEC M001	TTh 12:30PM-01:50PM	Chen	3.0	
CSE 382	Algorithms & Data Structr — Prereq: CSE 283.					
	34176	SEC M001	MW 03:45PM-05:05PM	Chen	3.0	
			Th 09:30AM-10:25AM			
CSE 384	Systems Programming — Coreq: CSE 283.					
	34409	SEC M001	MW 05:15PM-06:20PM	Staff	3.0	
	34422	REC M002	T 05:00PM-06:20PM	Staff		
CSE 398	Embedded & Mobile Sys Lab — Prereq: CSE 397.					
	34494	SEC M001	TTh 02:15PM-04:40PM	Marcy	3.0	
	34109	SEC M002	MW 12:45PM-03:35PM	Marcy	3.0	
CSE 400	Selected Topics					
	34427	SEC M001	F 11:40AM-02:25PM	Du	3.0	Class Topic: Android Programming.
	34520	SEC M002	TTh 12:30PM-01:50PM	Velipasalar	3.0	Class Topic: Image and Video Processing.
	34349	SEC M004	TTh 02:00PM-03:20PM	Yu	3.0	Class Topic: Princ. of Social Media Mining.
CSE 444	Mobile Application Programming — Crosslisted with CIS 444, CIS 651. Double numbered with CSE 651.					
	34353	SEC M001	TTh 09:30AM-10:50AM	Staff	3.0	
CSE 458	Data Ntwks:Basic Princpls — Crosslisted with CIS 458, ELE 458.					
	34294	SEC M001	TTh 05:00PM-06:20PM	Tang	3.0	
			W 11:40AM-12:35PM			
CSE 483	C# and Windows Programming — Prereq: CSE 382 or CIS 351.					
	34154	SEC M001	Th 05:00PM-07:45PM	Waclawski	3.0	
CSE 486	Design Operating Systems — Prereq: (CIS 341 and 342 and 351) or (CSE 381 and 382).					
	34236	SEC M001	MW 10:35AM-11:55AM	Oh	3.0	
			T 06:30PM-08:30PM			
CSE 488	Intro to Internet Security — Prereq: CIS 486 or CSE 486. Crosslisted with CIS 488.					
	34405	SEC M001	TTh 12:30PM-01:50PM	Du	3.0	
			F 10:35AM-11:30AM			
CSE 492	Senior Design Project II — Prereq: CSE 491.					
	34263	SEC M001	TTh 11:00AM-12:20PM	Marcy	3.0	
CSE 581	Intro D/Base Mngmt Syst. — Prereq: CSE 382 or CIS 351.					
	34439	SEC M004	F 12:45PM-03:30PM	Palider	3.0	O4 = Online Synchronous Residency.
			TBA			
CSE 591	Spec Problems in CSE					
	41162	SEC M001	TBA	Barnard	3.0	Class Topic: Intro to System Engineering.
CSE 612	Cloud Computing — Prereq: CSE 458. Crosslisted with CIS 612.					
	34335	SEC M001	W 05:15PM-08:00PM	Tang	3.0	
CSE 644	Internet Security — Prereq: CSE 585, CIS 586. Crosslisted with CIS 644.					
	34233	SEC M001	TTh 12:30PM-01:50PM	Du	3.0	
CSE 651	Mobile Application Programming — Crosslisted with CIS 444, CIS 651. Double numbered with CSE 444.					
	34352	SEC M001	TTh 09:30AM-10:50AM	Staff	3.0	
CSE 658	Data Ntwks:Design&Perfor. — Crosslisted with ELE 658.					
	34305	SEC M001	TTh 02:00PM-03:20PM	Tang	3.0	
CSE 661	Advncd Cmpt Architect					
	34406	SEC M001	TTh 05:00PM-06:20PM	Wang	3.0	
CSE 671	Embedded System Design					
	34209	SEC M001	TTh 09:30AM-10:50AM	Ercanli	3.0	
	34531	SEC M800	TBA	Ercanli	3.0	

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Subject & Cat Nbr	Course Title		Meeting Days & Times	Instructor	Min Max Units	Comments
	Class Nbr	Component Type Nbr				
CSE 674	Advanced Data Struct and Alg					
	34429	SEC M001	TTh	11:00AM-12:20PM	Lee	3.0
CSE 682	Software Engineering					
	34449	SEC M001	M	05:15PM-08:00PM	Staff	3.0
CSE 686	Internet Programming					
	34246	SEC M001	F	08:25AM-11:10AM	Palider	3.0
CSE 687	Object Oriented Design — Crosslisted with CIS 687.					
	34170	SEC M001	TTh	08:00AM-09:20AM	Fawcett	3.0
	34171	SEC M002	TTh	11:00AM-12:20PM	Fawcett	3.0
CSE 691	Special Problems in Cse					
	34425	SEC M001	F	11:40AM-02:25PM	Du	3.0
	34442	SEC M002	Th	05:00PM-07:45PM	Lin	3.0
	34560	SEC M003	TTh	12:30PM-01:50PM	Velipasalar	3.0
	41161	SEC M004	TBA		Barnard	3.0
CSE 765	VLSI Testing and Verification — Prereq: CSE 561, 664.					
	34249	SEC M001	TTh	03:30PM-04:50PM	Ercanli	3.0
CSE 775	Distributed Objects — Prereq: CSE 681 and 687.					
	34247	SEC M001	TTh	03:30PM-04:50PM	Fawcett	3.0
CSE 791	Special Problems in CSE					
	34424	SEC M001	MW	03:45PM-05:05PM	Phoha	3.0
	34518	SEC M004	TTh	03:30PM-04:50PM	Yu	3.0
CSE 997	Masters Thesis					
	34558	SEC M001	TBA		Staff	1.0 6.0
						Department Consent Required.
ECS - Engineering & Computer Science						
ECS 102	Introduction to Computing					
	34110	SEC M001	MW	05:15PM-07:05PM	Baruch	3.0
ECS 104	Engrng Computational Tools — Coreq: MAT 295.					
	<i>Register for one Lab M002-M005 or M007 or M015 and Sec M001 will auto-enroll.</i>					
	34153	SEC M001	MW	11:40AM-12:35PM	Dalir	3.0
	34187	LAB M002	M	02:15PM-03:35PM	Dalir	
	34188	LAB M003	T	08:00AM-09:20AM	Dalir	MAE students only.
	34190	LAB M005	T	02:00PM-03:20PM	Dalir	MAE students only.
	34191	LAB M007	T	03:30PM-04:50PM	Dalir	MAE students only.
	<i>Register for one Lab M011-M014; Sec M010 will auto-enroll.</i>					
	34225	SEC M010	M	10:35AM-11:30AM	Yung	3.0
	34227	LAB M011	Th	11:00AM-12:20PM	Yung	
	34228	LAB M012	Th	09:30AM-10:50AM	Yung	Department Consent Required. BEN/CEN students only.
	34229	LAB M013	Th	03:30PM-04:50PM	Yung	Department Consent Required. BEN/CEN students only.
	34252	LAB M014	Th	02:00PM-03:20PM	Yung	Department Consent Required. BEN/CEN Students only.
	34553	LAB M015	M	05:15PM-06:35PM	Dalir	MAE students only.
ECS 115	AEW for Calculus I — Coreq: MAT 295.					
	34271	SEC M001	TTh	07:00PM-07:55PM	Pynn	1.0
	34563	SEC M003	TTh	02:00PM-02:55PM	Pynn	1.0
	34272	SEC M005	MW	03:45PM-04:40PM	Pynn	1.0
	34273	SEC M007	MW	01:50PM-02:45PM	Pynn	1.0
	34289	SEC M008	WF	02:15PM-03:10PM	Pynn	1.0
ECS 116	AEW for Calculus II — Coreq: MAT 296.					
	34274	SEC M001	W	06:00PM-07:50PM	Pynn	1.0
	34275	SEC M002	M	06:45PM-08:35PM	Pynn	1.0
	34564	SEC M003	M	12:45PM-02:35PM	Pynn	1.0
	34276	SEC M004	M	03:45PM-05:35PM	Pynn	1.0
	34277	SEC M005	W	03:45PM-05:35PM	Pynn	1.0
	34278	SEC M006	Th	03:30PM-05:20PM	Pynn	1.0
	34279	SEC M007	T	05:00PM-06:50PM	Pynn	1.0
	34565	SEC M008	T	11:00AM-12:50PM	Pynn	1.0
	34287	SEC M009	M	12:45PM-02:35PM	Pynn	1.0
	34288	SEC M010	F	01:50PM-03:40PM	Pynn	1.0
	34566	SEC M011	Th	09:00AM-10:50AM	Pynn	1.0
	34291	SEC M012	W	12:45PM-02:35PM	Pynn	1.0
	34311	SEC M013	M	01:50PM-03:40PM	Pynn	1.0
	34312	SEC M014	F	10:35AM-12:25PM	Pynn	1.0
	34313	SEC M015	F	02:15PM-04:05PM	Pynn	1.0
	34314	SEC M017	M	06:00PM-07:50PM	Pynn	1.0
	34316	SEC M019	F	12:00PM-01:50PM	Pynn	1.0
	34317	SEC M020	Th	03:30PM-05:20PM	Pynn	1.0
ECS 117	AEW for Calculus III — Coreq: MAT 397.					
	34280	SEC M001	M	05:15PM-07:05PM	Pynn	1.0
	34281	SEC M002	T	05:00PM-06:50PM	Pynn	1.0
	34282	SEC M003	T	03:30PM-05:20PM	Pynn	1.0
	34283	SEC M004	Th	05:30PM-07:20PM	Pynn	1.0
	34568	SEC M005	W	06:00PM-07:50PM	Pynn	1.0
	34356	SEC M006	W	03:45PM-05:35PM	Pynn	1.0
	34567	SEC M007	F	12:45PM-02:35PM	Pynn	1.0
ECS 122	AEW for Intro to Computing — Coreq: ECS 102.					
	34419	SEC M001	F	02:15PM-04:05PM	Pynn	1.0
	34420	SEC M003	Th	05:30PM-07:20PM	Pynn	1.0
ECS 200	Selected Topics					
	34318	SEC M020	M	02:15PM-04:05PM	Pynn	1.0
	34319	SEC M022	Th	06:00PM-07:50PM	Pynn	1.0
	34459	SEC M023	F	11:40AM-01:30PM	Pynn	1.0
	34453	SEC M040	M	06:00PM-07:50PM	Pynn	1.0
	34452	SEC M041	Th	05:30PM-07:20PM	Pynn	1.0
	34454	SEC M042	F	10:35AM-12:25PM	Pynn	1.0
	34455	SEC M050	W	06:45PM-08:35PM	Pynn	1.0
	34456	SEC M051	Th	05:00PM-06:50PM	Pynn	1.0
	34457	SEC M052	T	03:30PM-05:20PM	Pynn	1.0
	34544	SEC M060	W	07:00PM-08:50PM	Pynn	1.0
	34545	SEC M070	W	02:15PM-04:05PM	Pynn	1.0
ECS 201	AEW for Statics — Coreq: ECS 221.					
	34217	SEC M001	M	02:15PM-04:05PM	Pynn	1.0
	34162	SEC M002	T	06:00PM-07:50PM	Pynn	1.0
ECS 202	AEW for Dynamics — Coreq: ECS 222.					
	34212	SEC M001	Th	04:00PM-05:50PM	Pynn	1.0
	34196	SEC M002	T	06:30PM-08:20PM	Pynn	1.0
	34163	SEC M004	T	05:30PM-07:20PM	Pynn	1.0

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Subject & Cat Nbr	Course Title		Component	Meeting Days & Times	Instructor	Min Max Units	Comments
	Class Nbr	Type					
	34320	SEC	M005	M	03:45PM-05:35PM	Pynn	1.0
	34358	SEC	M006	W	10:35AM-12:25PM	Pynn	1.0
	34569	SEC	M007	M	05:15PM-07:05PM	Pynn	1.0
ECS 205	AEW for Thermodynamics — Coreq: MAE 251.						
	34415	SEC	M002	W	06:00PM-07:50PM	Pynn	1.0
	34416	SEC	M003	Th	03:30PM-05:20PM	Pynn	1.0
	34417	SEC	M004	F	02:15PM-04:05PM	Pynn	1.0
ECS 221	Statics — Prereq: PHY 211 or 215; Coreq: MAT 296.						
	<i>Register for one Recitation M003 - M005; Section M001 will auto-enroll.</i>						
	34111	SEC	M001	MWF	09:30AM-10:25AM	Zhang	3.0
	34112	REC	M003	Th	03:30PM-04:25PM	Zhang	
	34235	REC	M004	Th	05:00PM-05:55PM	Zhang	
	34286	REC	M005	W	11:40AM-12:35PM	Zhang	
ECS 222	Dynamics — Prereq: MAT 296 and ECS 221.						
	<i>Register for Recitation M002-M008 and Section M001 will auto-enroll.</i>						
	34113	SEC	M001	MWF	12:45PM-01:40PM	Roppo	3.0
	34114	REC	M002	T	09:30AM-10:25AM	Roppo	
	34115	REC	M003	W	08:00AM-08:55AM	Roppo	
	34117	REC	M004	W	11:40AM-12:35PM	Roppo	
	34116	REC	M005	T	06:30PM-07:25PM	Roppo	
	34218	REC	M006	T	11:00AM-11:55AM	Roppo	
	34219	REC	M007	Th	11:00AM-11:55AM	Roppo	
	<i>Register for recitation M003 or M004; M008 will auto-enroll.</i>						
	34479	SEC	M008	MWF	10:35AM-11:30AM	Roppo	3.0
	34543	REC	M009	T	05:00PM-05:55PM	Roppo	
ECS 300	Selected Topics						
	34506	SEC	M001	TTh	02:00PM-03:20PM	Povinelli	3.0
	Class Topic: Intro to Entrepreneurial Engr.						
ECS 325	Mechanics of Solids — Prereq: ECS 221; Coreq: MAT 397.						
	<i>Register for one Recitation M002, M004, M010; Section M001 will auto-enroll.</i>						
	34118	SEC	M001	TTh	03:30PM-04:50PM	Dannenhoffer	4.0
				M	10:35AM-11:30AM		
	34119	REC	M002	T	09:30AM-10:25AM	Dannenhoffer	
	34180	REC	M004	Th	12:30PM-01:25PM	Dannenhoffer	
	<i>Register for one Recitation M006 - M009; Section M005 will auto-enroll.</i>						
	34203	SEC	M005	MW	02:15PM-03:35PM	Levy	4.0
				F	11:40AM-12:35PM		
	34204	REC	M006	M	08:25AM-09:20AM	Levy	
	34205	REC	M007	W	09:30AM-10:25AM	Levy	
	34206	REC	M008	F	09:30AM-10:25AM	Levy	
	34260	REC	M009	F	09:30AM-10:25AM	Levy	
	34298	REC	M010	W	10:35AM-11:30AM	Dannenhoffer	
	MAE Students Only for M005-M008.						
	MAE Students Only.						
	MAE Students Only.						
	MAE Students Only.						
	MAE students only.						
	NON-MAE Students Only.						
ECS 375	AEW Facilitator Forum						
	34211	SEC	M001	M	11:40AM-12:35PM	Pynn	1.0
	34164	SEC	M002	M	03:45PM-04:40PM	Pynn	1.0
	34315	SEC	M003	W	05:15PM-06:10PM	Pynn	1.0
ECS 392	Ethical Aspects of ECS						
	34147	SEC	M001	MW	08:00AM-09:20AM	Radcliffe	3.0
	For ECS Juniors and Seniors.						
ECS 400	Selected Topics						
	34451	SEC	M002	TTh	02:00PM-03:20PM	Duca	3.0
	Class Topic: Practical Engr in Industry. Instructor Consent Required.						
ECS 500	Selected Topics						
	41067	SEC	M001	F	09:30AM-12:15PM	Schmidt	3.0
	Class Topic: Data Ctr: Infrstruc Dsqn Engr.						
ECS 600	Selected Topics						
	34507	SEC	M001	TTh	11:00AM-12:20PM	Povinelli	3.0
	Class Topic: Entrepreneurial Engr Topics.						
ECS 630	Simulation and Data Analytics — Prereq: ECS 526.						
	40690	SEC	M001	F	09:30AM-12:15PM	Moon	3.0
ECS 636	Sustnbl Dvlpmnt & Infrstrct Mgt — Crosslisted with CIE 639.						
	34388	SEC	M001	TTh	12:30PM-01:50PM	Salman	3.0
	Meets with CIE 639.						
ECS 650	Managing Sustainability — Crosslisted with BUA 650.						
	34234	SEC	M001	MW	12:45PM-02:05PM	Moss	3.0
	Instructor Consent Required.						
ECS 700	Selected Topics						
	34344	SEC	M001	T	02:00PM-04:45PM	Chapin	3.0
	Class Topic: Smart Grid: Sec. Priv. & Ecn.. Meets with PAI 730 - M010.						
ECS 759	Sustainability-Driven Enterpr — Prereq: ECS 650/BUA 650 AND ECS 651/BUA 651. Crosslisted with BUA 759.						
	34250	SEC	M001	T	06:30PM-09:15PM	Moss	3.0
	Instructor Consent Required.						
ELE - Electrical Engineering							
ELE 231	EE Fundamentals I — Prereq: MAT 295.						
	<i>Register for Recitation M002, M003, or M004; Section M001 will auto-enroll.</i>						
	34120	SEC	M001	TTh	03:30PM-04:50PM	Velipasalar	3.0
	34121	REC	M002	T	11:00AM-11:55AM	Velipasalar	
	34122	REC	M003	W	10:35AM-11:30AM	Velipasalar	
	34251	REC	M004	M	09:30AM-10:25AM	Velipasalar	
ELE 232	EE Fundamentals II — Prereq: ELE 231.						
	<i>Register for Recitation M002 or M004; Section M001 will auto-enroll.</i>						
	34123	SEC	M001	MWF	10:35AM-11:30AM	Marcy	3.0
	34124	REC	M002	Th	09:30AM-10:25AM	Marcy	
	34125	REC	M004	Th	11:00AM-11:55AM	Marcy	
ELE 291	EE Laboratory I — Coreq: ELE 231.						
	34146	SEC	M001	F	03:45PM-06:45PM	Tetley	1.0
ELE 292	Electrical Lab II — Prereq: ELE 291; Coreq: ELE 232.						
	34126	SEC	M001	M	02:15PM-05:05PM	Tetley	1.0
	34193	SEC	M003	Th	06:30PM-09:20PM	Tetley	1.0
ELE 312	Control Systems for MAE — Crosslisted with MAE 322.						
	<i>Register for one recitation, M002 or M003; Section M001 will auto-enroll.</i>						
	34130	SEC	M001	TTh	03:30PM-04:50PM	Isik	3.0
	34194	REC	M002	W	09:30AM-10:25AM	Isik	
	34195	REC	M003	W	02:15PM-03:10PM	Isik	
	Section M001 for ELE students. Section M004 for MAE Students. ELE Students Only. ELE Students Only.						
ELE 314	Intro to Power Engineering — Prereq: ELE 231.						
	34410	SEC	M001	TTh	02:00PM-03:20PM	Eftekharijrad	3.0
ELE 325	Electromagnetics II — Prereq: ELE 324 or PHY 424. Crosslisted with PHY 425.						
	<i>Register for Recitation M002 or M003; Section M001 will auto-enroll.</i>						
	34131	SEC	M001	TTh	09:30AM-10:50AM	Lee	3.0
	34132	REC	M003	M	11:40AM-12:35PM	Lee	

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Subject & Cat Nbr	Course Title		Component		Meeting Days & Times	Instructor	Min Max Units	Comments
	Class Nbr	Type	Nbr					
ELE 333	Analog Circuits — Prereq: ELE 231 and 232.							
	<i>Register for Recitation M002; Section M001 will auto-enroll.</i>							
	34133	SEC	M001	TTh	12:30PM-01:50PM	Graham	3.0	
	34177	REC	M002	F	02:15PM-03:10PM	Staff		
	34549	REC	M003	M	09:30AM-10:25AM	Staff		
ELE 346	Semiconductor Devices — Prereq: PHY 212 or 216.							
	<i>Register for Recitation M002; Section M001 will auto-enroll.</i>							
	34134	SEC	M001	MW	12:45PM-02:05PM	Bujanovic	3.0	
	34160	REC	M002	F	12:45PM-01:40PM	Staff		
ELE 352	Digital Signal Processing — Prereq: ELE 351.							
	<i>Register for Recitation M002 or M003, Section M001 will auto-enroll.</i>							
	34127	SEC	M001	F	09:30AM-12:15PM	Chen	3.0	
	34128	REC	M002	M	10:35AM-11:30AM	Chen		
	34129	REC	M003	W	11:40AM-12:35PM	Chen		
ELE 392	Analog Circuits Laboratory — Prereq: ELE 292; Coreq: ELE 333.							
	34135	SEC	M001	MW	03:45PM-06:35PM	Marcy	3.0	
ELE 400	Selected Topics							
	34521	SEC	M002	TTh	12:30PM-01:50PM	Velipasalar	3.0	Class Topic: Image and Video Processing.
ELE 418	Sensors & Measurements — Double numbered with ELE 618.							
	34411	SEC	M001	TTh	05:00PM-06:20PM	Bujanovic	3.0	
ELE 424	Fndmntals:Radio Freq&Microwaves — Prereq: ELE 232.							
	34201	SEC	M001	MWF	09:30AM-10:25AM	Song	3.0	
ELE 458	Data Ntwks:Basic Princpls — Crosslisted with CIS 458, CSE 458.							
	34295	SEC	M001	TTh	05:00PM-06:20PM	Tang	3.0	
				W	11:40AM-12:35PM			
ELE 492	Senior Design Project II — Prereq: ELE 491.							
	34264	SEC	M001	TTh	11:00AM-12:20PM	Marcy	3.0	
ELE 514	Electric Power Systems							
	34172	SEC	M001	TTh	05:00PM-06:20PM	Staff	3.0	Meets with NUC 530.
ELE 591	Spec Prob Elec Eng							
	34435	SEC	M002	MW	05:15PM-06:35PM	Song	3.0	Class Topic: Phys. Princ. of Wireless Comm..
ELE 603	Func Meth/Linear Analysis							
	34269	SEC	M001	TTh	09:30AM-10:50AM	Fardad	3.0	
ELE 618	Sensors & Measurements — Double numbered with ELE 418.							
	34412	SEC	M001	TTh	05:00PM-06:20PM	Bujanovic	3.0	
ELE 623	Microwave Measurements							
	34438	SEC	M001	MW	12:45PM-02:05PM	Graham	3.0	
ELE 643	Thry/Semiconductor Device							
	34495	SEC	M001	MW	09:30AM-10:50AM	Ghosh	3.0	
ELE 651	Digital Communications — Prereq: ELE 551.							
	34173	SEC	M001	MW	02:15PM-03:35PM	Gursoy	3.0	
ELE 658	Data Ntwks:Design&Perfor. — Prereq: CIS 321 or MAT 521; Coreq: ELE 606. Crosslisted with CSE 658.							
	34306	SEC	M001	TTh	02:00PM-03:20PM	Tanq	3.0	
ELE 691	Special Topics in ELE							
	34408	SEC	M002	MW	05:15PM-06:35PM	Song	3.0	Class Topic: Physicl Prncpl of Wireless Comm. This course integrates the topical areas of wave propagation and antennas with consideration to their applications to designing the physical layer in modern wireless communication systems. Topics to be covered include introduction of modern wireless communications and their special features, noise in wireless communications, antennas, RF wave propagation, statistical considerations in designing cell phone systems and wireless local area networks (WLANs), tropospheric and ionospheric effects in long rang communication.
	34561	SEC	M003	TTh	12:30PM-01:50PM	Velipasalar	3.0	Class Topic: Image and Video Processing.
ELE 722	Microwave Filters — Prereq: ELE 623.							
	34407	SEC	M001	TTh	02:00PM-03:20PM	Graham	3.0	
ELE 724	Microwave Oscillators — Prereq: ELE 623.							
	34516	SEC	M001	MW	03:45PM-05:05PM	Choi	3.0	
ELE 725	Electromagnetic Engr I — Prereq: ELE 621.							
	34515	SEC	M001	TTh	03:30PM-04:50PM	Lee	3.0	
ELE 756	Random Processes — Prereq: ELE 606; Coreq: ELE 651.							
	34498	SEC	M001	TTh	03:30PM-04:50PM	Staff	3.0	
ELE 759	Digital Signal Process II — Prereq: ELE 659.							
	34341	SEC	M001	TTh	03:30PM-04:50PM	Staff	3.0	
ELE 791	Adv Topics in Elec Engrg							
	34337	SEC	M004	MW	05:15PM-06:35PM	Bujanovic	3.0	Class Topic: Power System Protection. O1 = Online Asynchronous Non-Res.
ELE 853	Adv Tpcs/Communicatn Thry — Prereq: ELE 756.							
	34497	SEC	M001	TTh	11:00AM-12:20PM	Varshney	3.0	
MAE - Mechanical & Aerospace Engrng								
MAE 251	Thermodynamics — Prereq: PHY 211 or 215.							
	<i>Register for one Recitation M002 - M006 and Main Section M001 will auto-enroll</i>							
	34138	SEC	M001	TTh	02:00PM-03:20PM	Ali	4.0	
				F	08:25AM-09:20AM			
	<i>Auto enrolls in M001</i>							
	34139	REC	M002	W	08:25AM-09:20AM	Ali		
	<i>Auto enrolls in M001</i>							
	34140	REC	M003	Th	09:30AM-10:25AM	Ali		
	<i>Auto enrolls in M001</i>							
	34141	REC	M004	W	11:40AM-12:35PM	Ali		
	<i>Auto enrolls in M001</i>							
	34178	REC	M005	Th	05:00PM-05:55PM	Ali		
	<i>Auto enrolls in M001</i>							
	34210	REC	M006	T	05:00PM-05:55PM	Ali		
	40702	SEC	M007	F	09:30AM-10:25AM	Ali	4.0	
				TTh	03:30PM-04:50PM			
MAE 284	Introduction to CAD							
	<i>Register for Recitation M002, M003, M009 and Section M001 will auto-enroll.</i>							
	34136	SEC	M001	TTh	12:30PM-01:50PM	Roy	3.0	
MAE 321	Dynmcs of Mech Systems — Prereq: ECS 222 and ECS 325 and MAT 485.							
	<i>Enroll in Recitation M002-M005 and Section M001 will auto-enroll</i>							
	34183	SEC	M001	MW	12:45PM-02:05PM	Green	3.0	
	34184	REC	M002	M	10:35AM-11:30AM	Green		
	34185	REC	M003	Th	03:30PM-04:25PM	Green		
	34186	REC	M004	F	12:45PM-01:40PM	Green		
	34238	REC	M005	T	11:00AM-11:55AM	Green		

College of Engineering and Computer Science

Subject & Cat Nbr	Course Title		Component		Meeting Days & Times	Instructor	Min Max Units	Comments
	Class Nbr	Type	Nbr					
MAE 322	Control Systems for MAE — Prereq: MAT 485; Coreq: MAE 321. Crosslisted with ELE 312.							
	34522	SEC	M001	TTh	03:30PM-04:50PM	Isik	3.0	
	34523	REC	M002	M	10:35AM-11:30AM	Isik		
	34524	REC	M003	M	02:15PM-03:10PM	Isik		
	34525	REC	M004	F	10:35AM-11:30AM	Isik TA		
	34526	REC	M005	W	02:15PM-03:10PM	Isik		
MAE 333	Data Analysis for Engineers — Prereq: MAT 397.							
	40685	SEM	M001	MW	03:45PM-05:05PM	Dalir		
MAE 355	Fndmntls of Heat Transfer — Prereq: MAE 341; Coreq: MAE 251.							
	34431	SEC	M001	TTh	02:00PM-03:20PM	Maroo	4.0	Register for M002-M004 and Section M001 will auto-enroll.
				W	11:40AM-12:35PM			
	34432	REC	M002	T	08:00AM-08:55AM	Maroo		
	34433	REC	M003	Th	12:30PM-01:25PM	Maroo		
	34434	REC	M004	Th	11:00AM-11:55AM	Maroo		
MAE 457	Automotive Engineering — Prereq: MAE 251.							
	34179	SEC	M001	MW	02:15PM-03:35PM	Carranti	3.0	Engineering students only.
MAE 500	Selected Topics							
	40710	SEC	M001	MW	11:00AM-12:20PM	Murthy	3.0	Class Topic: Principles&Design Smart Cities.
	41228	SEC	M002	MW	06:45PM-08:05PM	Roppo	3.0	Class Topic: Linear Control Systems.
MAE 545	Appl of Fluid Mechanics — Prereq: MAE 341.							
	34499	SEC	M001	TTh	12:30PM-01:50PM	Lewalle	3.0	
MAE 551	Energy Conversion — Prereq: MAE 251. Crosslisted with CIE 551.							
	34321	SEC	M001	Th	05:00PM-07:45PM	Khalifa	3.0	If you have taken CEN 252, please contact Kelly Jarvi in the MAE department, Link 263G for permission.
MAE 585	Prin of Turbo Machines — Prereq: MAE 251 and MAE 341.							
	34536	SEC	M001	TTh	12:30PM-01:50PM	Carranti	3.0	Instructor Consent Required.
MAE 600	Selected Topics							
	41227	SEC	M001	TTh	08:00AM-09:20AM	Lewalle	3.0	Class Topic: Acoustics.
MAE 651	Adv Thermodynamics — Prereq: MAE 251.							
	40693	SEC	M001	MW	05:15PM-06:35PM	Akih Kumqeh	3.0	
MAE 658	Bulding Environment'l Modeling — Prereq: MAE 341 and MAE 355.							
	34322	SEC	M001	W	02:15PM-05:00PM	Zhanq	3.0	
MAE 659	Building Materials&Envelope							
	34386	SEC	M001	T	02:00PM-04:45PM	Zhanq	3.0	
MAE 671	Numeric Mthds/Mech Engrng							
	41046	SEC	M001	TTh	09:30AM-10:50AM	Dannenhoffer	3.0	
MAE 700	Selected Topics							
	41288	SEC	M001	TTh	03:30PM-04:50PM	Sanyal	3.0	Class Topic: Nonlinear & Optimal Control. Prerequisite: ELE 612 or equivalent or permission of instructor Topics: Control of simple mechanical systems; Lagrangian and Hamiltonian methods; introduction to geometric control; Lie algebras, distributions, controllability and observability; introduction to optimal control theory: Pontryagin's Maximum Principle.
MAE 741	Fundamentals/Turbulence — Prereq: MAE 643.							
	34202	SEC	M001	M	05:15PM-08:00PM	Glauser	3.0	
MAE 746	Viscous Fluids — Prereq: MAE 643.							
	40692	SEC	M001	MW	12:45PM-02:05PM	Ali	3.0	
MAE 785	Continuum Mechanics							
	41114	SEC	M001	MW	09:30AM-10:50AM	Levy	3.0	
MAE 994	Capstone Project							
	34181	SEC	M001		TBA	Murthy Roppo Schmidt	0.0	
MAE 995	Graduate Seminar							
	34192	SEC	M001	F	02:15PM-03:35PM	Staff	0.0	
MEE - Mechanical Engineering								
MEE 332	Intro to Machine Design — Prereq: ECS 325.							
	34142	SEC	M001	TTh	09:30AM-10:50AM	Blum	4.0	
				F	02:15PM-03:35PM			
MEE 472	Synthesis of Mech Systems — Prereq: MEE 471.							
	34143	SEC	M001	TTh	11:00AM-12:20PM	Blum Carranti Schmidt Staff	4.0	
				F	12:45PM-01:40PM			
MEE 996	Special Projects							
	34338	SEC	M001		TBA	Staff	0.0	6.0
	34570	SEC	M002		TBA	Staff	1.0	6.0
MFE - Manufacturing Engineering								
MFE 634	Prodtvty & Qual Engrg — Prereq: ECS 526.							
	34199	SEC	M001	Th	06:30PM-09:15PM	Romeu	3.0	
MFE 692	Design for Manufacturing — Prereq: MFE 636.							
	34198	SEC	M001	T	03:30PM-06:15PM	Roy	3.0	
NUC - Nuclear Energy Track								
NUC 301	Intro Nuc Engrng&Reactor Sfty — Prereq: PHY 212.							
	34265	SEC	M001	Th	05:00PM-07:45PM	Turnipseed	3.0	
NUC 520	Radioche,NF Reproc&Nonprolif — Prereq: NUC 301. Crosslisted with CEN 520.							
	34303	SEC	M001	MW	03:45PM-05:05PM	Tavlarides	3.0	