

Courses offered in Fall 2007-08 - School of Engineering

<u>Code</u>	<u>Title</u>	<u>Vector</u>
CENG 103	Products and Processes	[3-1-0:3]
CENG 109	Biotechnology and Its Business Opportunities	[3-0-0:3]
CENG 151	Introduction to Materials Science and Selection	[3-1-0:3]
CENG 152	Introduction to Environmental Engineering	[3-1-0:3]
CENG 211	Reaction and Reactor Engineering	[3-1-0:3]
CENG 221	Separation Processes	[3-1-0:3]
CENG 231	Process Fluid Mechanics	[3-1-0:3]
CENG 297	Chemical Engineering Laboratory I	[0-1-4:2]
CENG 300C	Environmental Impact Assessment (EIA) and Management Systems (EMS)	[3-0-0:3]
CENG 302	Process Dynamics and Control	[3-0-1:3]
CENG 361	Introduction to Biochemical Engineering and Bioprocessing	[3-0-0:3]
CENG 362	Bioproducts and Processing	[3-0-0:3]
CENG 371	Environmental Control	[3-0-0:3]
CIVL 101	History and Practice of Civil Engineering	[1-0-0:1]
CIVL 102	Surveying and Surveying Camp	[2-0-3:2]
CIVL 113	Statics and Dynamics	[3-1-0:3]
CIVL 114	Civil Engineering Drawing	[0-0-3:1]
CIVL 115	Introduction to Statics and Dynamics	[3-1-0:3]
CIVL 161	Civil Engineering and Modern Society	[2-2-0:3]
CIVL 231	Structural Analysis	[3-1-1:3]
CIVL 242	Water and Wastewater Engineering	[3-1-0:3]
CIVL 253	Hydrology	[3-1-0:3]
CIVL 270	Geology for Civil Engineers	[3-0-3:3]
CIVL 300Q	Environmental Impact Assessment and Monitoring	[3-0-0:3]
CIVL 303	Construction Engineering II	[2-1-0:2]
CIVL 323	Construction Materials Technology	[3-1-0:3]
CIVL 324	Prestressed Concrete	[3-1-0:3]
CIVL 332	Introduction to Structural Dynamics	[3-1-0:3]
CIVL 334	Structural Steel Design	[3-2-0:3]
CIVL 346	Process Design of Environmental Engineering Facilities	[3-1-0:3]
CIVL 351	Municipal Hydraulic Systems	[2-1-0:2]
CIVL 362	Transportation System Operations	[3-1-0:3]
CIVL 372	Geotechnical Analysis and Design	[3-1-0:3]
CIVL 375	Numerical Solutions to Geotechnical Problems	[3-0-0:3]
COMP 101	Exploring Multimedia and Internet Computing	[2-0-2:3]
COMP 102	Computer and Programming Fundamentals I	[3-0-2:3]
COMP 104	Programming Fundamentals and Methodology	[3-1-2:4]
COMP 104H	Programming Fundamentals and Methodology (Honors Study Track)	[2-1-1:4]
COMP 111	Unix and Script Programming	[2-0-2:3]
COMP 151	Object-Oriented Programming	[3-0-2:3]
COMP 170	Discrete Mathematical Tools for Computer Science	[3-1-0:4]
COMP 171	Data Structures and Algorithms	[3-2-0:3]
COMP 171H	Data Structures and Algorithms (Honors Study Track)	[2-1-0:3]
COMP 211	Introduction to Software Engineering	[3-1-1:4]
COMP 221	Fundamentals of Artificial Intelligence	[3-1-0:3]
COMP 251	Principles of Programming Languages	[3-0-1:3]

COMP 252	Operating Systems	[3-0-2:3]
COMP 271	Design and Analysis of Algorithms	[3-1-0:3]
COMP 271H	Design and Analysis of Algorithms (Honors Study Track)	[3-1-0:4]
COMP 300C	IT Entrepreneurship	[3-0-0:3]
COMP 300D	Computer Game Programming	[3-0-1:3]
COMP 303	Internet Computing	[2-0-2:3]
COMP 336	Search Engines for Web and Enterprise Data	[3-0-1:3]
COMP 343	Multimedia Computing	[2-0-2:3]
COMP 344	Image Processing	[3-1-0:3]
COMP 362	Computer Communication Networks II	[3-0-1:3]
COMP 364	Computer and Communication Security	[3-0-0:3]
COMP 381	Design and Analysis of Computer Architectures	[3-1-0:3]

ELEC 001	Electronic and Information Technology	[2-1-0:3]
ELEC 005	Multimedia Design and Marketing	[2-0-3:3]
ELEC 101	Basic Electronics	[3-1-3:4]
ELEC 102	Electronic Circuits I	[3-1-3:5]
ELEC 151	Digital Circuits and Systems	[3-1-2:4]
ELEC 202	Electronic Circuits II	[3-1-3:5]
ELEC 210	Probability and Random Processes in Engineering	[3-1-0:4]
ELEC 211	Signals and Systems	[3-1-0:4]
ELEC 212	Digital Signal Processing	[2-1-2:4]
ELEC 214	Communication Systems	[3-1-3:5]
ELEC 221	Semiconductor Materials and Devices	[3-1-1:3]
ELEC 241	Electromagnetism	[3-1-0:4]
ELEC 254	Microprocessor Experiments	[1-1-3:3]
ELEC 290	Introduction to Electronic and Computer Technology	[2-0-0:1]
ELEC 302	Embedded System Design	[2-0-3:3]
ELEC 310	Engineering Business Development	[3-1-0:3]
ELEC 314	Digital Communications	[3-1-0:3]
ELEC 315	Computer Communication Networks	[3-1-0:3]
ELEC 317	Digital Image Processing	[3-0-0:3]
ELEC 321	Integrated Circuit Devices	[3-1-0:3]
ELEC 331	Speech and Image Compression	[3-0-0:3]
ELEC 343	Wireless Communication Engineering	[3-0-0:3]
ELEC 351	Introduction to Power Electronics	[3-0-0:3]
ELEC 383	Introduction to Biosensors and Bioinstrumentation	[3-0-2:3]

IELM 115	Product Design and Communication	[2-0-3:3]
IELM 120	Engineering Management	[3-0-0:3]
IELM 201	Operations Research I	[3-1-0:3]
IELM 202	Introduction to Operations Research	[2-1-0:2]
IELM 213	Ergonomics in Work Place Design	[2-0-3:3]
IELM 230	Industrial Data Systems	[2-0-3:3]
IELM 241	Routing and Fleet Management	[3-1-0:3]
IELM 245	Logistics Planning and Service Management	[3-0-0:3]
IELM 311	Engineers in Society	[1-0-0:1]
IELM 320	Facilities Layout and Material Handling	[3-0-1:3]
IELM 330	IT for Logistics and Manufacturing	[2-0-3:3]
IELM 341	Global Supply Chain Management	[3-0-0:3]

MECH 103	Mechanisms and Dynamics of Machinery	[3-1-0:3]
MECH 106	Mechanical Engineering for Modern Life	[3-0-0:3]

MECH 141	Engineering Materials I	[3-1-1:3]
MECH 202	Solid Mechanics II	[3-1-0:3]
MECH 221	Fluid Mechanics	[3-1-0:3]
MECH 242	Engineering Materials II	[3-1-0:3]
MECH 252	Design and Manufacturing II	[3-1-2:4]
MECH 263	Electrical Technology	[3-1-1:3]
MECH 283	Laboratory I	[2-1-2:3]
MECH 303	Advanced Stress Analysis	[3-1-0:3]
MECH 304	Noise Control	[3-0-0:3]
MECH 321	Air Pollution Control	[3-0-0:3]
MECH 334	Air Conditioning Systems	[3-0-1:3]
MECH 335	Indoor Air Quality in Buildings	[3-0-0:3]
MECH 371	Introduction to Robotics	[2-0-3:3]