Cognates taken by 1st year students Fall 2020-2022

All ChE graduate students entering without a previous graduate degree must take at least three credits outside the ChE department. Students typically take cognate courses within their research interests. These cognate courses must be in a technical area, and are usually satisfied at the graduate level, though 400 level courses can also satisfy cognate requirements. Students may be able to use a ChE course as a cognate course if it is cross-listed with another department. The list of cognate courses that were taken by our graduate students during the past two years are listed below.

- BA 518 Business of Biology
- BIOINF 524 Found BIOINF
- BIOINF 527 Intr Bioinf&Comp Bio
- BIOINF 540 Math of Bio Networks
- BIOINF 580 Intro Sig Proc
- BIOLCHEM 515 Intr Biochem
- BIOLCHEM 690 Biochem Reg Mechanis
- BIOMEDE 490 Dir Research
- BIOMEDE 500 Biomd Eng Sem
- BIOMEDE 503 Statistics for BME
- BIOMEDE 504 Cell Biotech
- BIOMEDE 551 Prot & Metabol Inf
- BIOMEDE 599 Spec Topics
- BIOSTAT 521 Appl Biostat
- CDB 530 Cell Biology
- CDB 550 Histology
- CEE 482 Env Microbiology
- CEE 563 Air Qual Engr Fund
- CEE 565 Sem Energy Tech Pol
- CHEM 525 Chem Biol I
- CHEM 648 Atl Spectro&Imaging
- CHEM 649 Electrochemistry
- CMPLXSYS 511 Theory of CMPLXSYS
- CMPLXSYS 530 Comp Modeling
- CMPLXSYS 530 Comp Modeling
- CMPLXSYS 535 Thy Soc Tech Netwks
- CMPLXSYS 541 Nonlinear
- EECS 402 Prog for Sci&Eng
- EECS 409 Data Science Sem
- EECS 505 Comp DS & ML
- EECS 509 BIOMEMS
- EECS 514 Advanced MEMS
- EECS 517 Phys Proc in Plas
- EECS 520 Solid State Physics
- EECS 524 Org Elec Devices
- EECS 528 M-Elec Proc Tech
- EECS 537 Classical Optics
- EECS 545 Machine Learn (CSE)
- EECS 587 Parallel Computing
- EECS 598 Special Topics
- ENGR 570 Scientific Computing
- ENSCEN 880 Sem En&Wtr Res Eng
- ENTR 407 Entrepreneurship Hr
ENTR 500 Intro to Innovation
ENTR 550 Interpersonal Skills
ENTR 599 Spec Topics Entr
EPID 506 Intro Intnl Hlth
ESENG 501 Sem Energy Tech Pol
ESENG 567 Energy Infrastr Sys
HS 650 Predictive Analytics
INTMED 409 Invest Exp Bacteriol
MACROMOL 512 Phys Polymer
MACROMOL 530 Adv Function Poly
MATH 463 Math Model Biol
MATH 471 Intr Num Meth
MATH 540 Math of Bio Networks
MATH 635 Differential Geom
MATSCIE 512 Phys Polymer
MATSCIE 517 Adv Function Poly
MATSCIE 550 Fund Mat Sci
MATSCIE 593 MSE Special Topics
MATSCIE 890 Colloq in Mat Sci
MCDB 411 Protein Structure
MCDB 436 Human Immunology
MCDB 472 Bld a Synthetic Cell
MCDB 800 Biology Seminar
MECHENG 523 Comp Fluid Dyn I
MECHENG 599 Spec Topics in M E
MFG 501 Topics Global Opns
MICRBIOL 540 Immunology
MICRBIOL 612 Microb Informatics
MICRBIOL 615 Viral Pathogen I
MICRBIOL 640 Mole&Cell Immun
NERS 570 Scientific Computing
NERS 571 Plas-Phys I
PHARMSCI 407 Sensors
PHARMSCI 700 Pharmacokinetics
PHARMSCI 702 Biopharmaceutics
PHARMSCI 705 Adv Drug Delivery
PHARMSCI 706 Biopharm Drugs
PHARMSCI 717 Biopharm Eng
PHARMSCI 760 Adv Pharmacok&Bioph
PHARMSCI 838 Sem in Pharmsci
PHARMACOL 601 Quant Prin Pharm
PHYSICS 514 Comp Phys
PHYSICS 514 Comp Phys
PHYSICS 629 Complex Fluids
PIBS 503 Res Respon&Ethics
PIBS 504 Rigor in Research
PIBS 550 Biomed Entrep I
SI 506 Programming I
SI 618 Data Man & Analysis
SPACE 581 Space Pol&Manage
STATS 426 Intro to Theo Stat
STATS 513 Regress&Data Analys
TCHNCLCM 610 Tech & Prof Comm