

Academics

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School of Engineering

Civil Engineering

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School of Engineering

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Graduate School

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School of Pharmacy **Pharmacy Practice**

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Provost/VC for Academic Affairs

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School of Engineering **Chemical Engineering**

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College of Liberal Arts

Chemistry & Biochemistry

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- [Chem 105: General Chemistry I](#)



- [Chem 106: General Chemistry II](#)
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- [Chem 121: Fundamentals of Organic Chemistry](#)
- [Chem 201: Environmental Chemistry I](#)
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- [Chem 221: Elementary Organic Chemistry I](#)
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- [Chem 225: Elementary Organic Chem. Laboratory I](#)
- [Chem 226: Elementary Organic Chem. Laboratory II](#)
- [Chem 251: Introduction to Individual Research](#)
- [Chem 271: Biochemical Concepts](#)
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- [Chem 314: Quantitative Analysis](#)
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- [Chem 524: Principles of Organic Chemistry](#)
- [Chem 525: Organic Spectroscopy and Spectrometry](#)
- [Chem 527: Adv. Organic Chem., Structure Mechanism](#)
- [Chem 528: Adv. Organic Chem., Structure Synthesis](#)
- [Chem 529: Stereochemistry](#)
- [Chem 530: Advanced Organic Synthesis](#)
- [Chem 531: Advanced Physical Chem., Quantum Chem.](#)
- [Chem 532: Chemical Thermodynamics](#)
- [Chem 534: Physical Biochemistry](#)
- [Chem 535: Principles of Physical Chemistry I](#)
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- [Chem 545: Chemical Literature](#)
- [Chem 546: Chem for High School Science Teacher I](#)
- [Chem 547: Chem. for High School Science Teacher II](#)
- [Chem 548: Workshop-Middle School Science Teachers](#)
- [Chem 550: Safety in the Chemical Laboratory](#)
- [Chem 554: Analytical Environmental Chemistry](#)
- [Chem 563: Applied Spectroscopy](#)
- [Chem 580: Molecular Biochemistry I](#)
- [Chem 581: Molecular Biochemistry II](#)
- [Chem 593: Advanced Special Topics in Chemistry](#)
- [Chem 617: Research Methodology in Chemistry I](#)
- [Chem 659: Masters Seminar](#)
- [Chem 697: Thesis](#)
- [Chem 700: Introduction to Graduate Research](#)
- [Chem 701: Advanced Inorganic Chemistry I](#)
- [Chem 702: Advanced Inorganic Chemistry II](#)
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- [Chem 715: Selected Topics in Analytical Chemistry](#)
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- [Chem 718: Research Methodology in Chemistry II](#)
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- [Chem 762: Theory of Molecular Structure](#)
- [Chem 765: Bioinorganic Chemistry](#)
- [Chem 771: Biochemistry I](#)
- [Chem 772: Biochemical Techniques](#)
- [Chem 773: Biochemistry II](#)
- [Chem 774: Selected Topics in Biochemistry](#)
- [Chem 776: Nucleic Acid Chemistry](#)
- [Chem 777: Protein Structure](#)
- [Chem 796: Doctoral Thesis](#)
- [Chem 797: Dissertation](#)

Modern Languages

- [Chin 101: Elementary Chinese I](#)
- [Chin 102: Elementary Chinese II](#)
- [Chin 111: Intensive Chinese I](#)
- [Chin 112: Intensive Chinese II](#)
- [Chin 198: Elementary Chinese Study Abroad](#)
- [Chin 199: Special Topics in Chinese](#)
- [Chin 201: Intermediate Chinese I](#)
- [Chin 202: Intermediate Chinese II](#)
- [Chin 211: Intensive Chinese III](#)
- [Chin 212: Intensive Chinese IV](#)
- [Chin 215: Chinese Practicum I](#)
- [Chin 298: Intermediate Chinese Study Abroad](#)
- [Chin 299: Special Topics in Chinese](#)
- [Chin 301: Conversation and Composition I](#)
- [Chin 302: Conversation and Composition II](#)
- [Chin 313: Media Chinese I: Newspapers and Internet](#)
- [Chin 314: Media Chinese II: Broadcast News](#)
- [Chin 315: Chinese Practicum II](#)



- [Chin 321: Chinese Culture and Civilization](#)
- [Chin 330: Introduction to Chinese Linguistics](#)
- [Chin 331: Intro to Chinese Lit & Literary Analysis](#)
- [Chin 361: China through Film and Literature](#)
- [Chin 398: Advanced Chinese Study Abroad](#)
- [Chin 399: Special Topics in Chinese](#)
- [Chin 401: Advanced Chinese I](#)
- [Chin 402: Advanced Chinese II](#)
- [Chin 410: Modern Chinese Literature](#)
- [Chin 414: Selected Topics in Academic Chinese](#)
- [Chin 415: Chinese Practicum III](#)
- [Chin 417: Intro to Modern Chinese Literature](#)
- [Chin 418: Introduction to Classical Chinese](#)
- [Chin 450: Domain Knowledge](#)
- [Chin 511: Chinese Philology](#)
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- [Chin 514: Classical Chinese Literature](#)
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College of Liberal Arts

- [Cine 301: Special Topics in Cinema Production](#)
- [Cine 302: Special Topics in Cinema Post-Production](#)
- [Cine 396: Festival Programming](#)
- [Cine 397: Internship in Cinema](#)
- [Cine 398: Study Abroad in Cinema](#)
- [Cine 399: Special Topics in Cinema](#)

School of Applied Sciences

Criminal Justice & Legal Studies

- [CJ 100: Introduction to Criminal Justice](#)
- [CJ 110: Introduction to Law Enforcement](#)
- [CJ 115: Introduction to Homeland Security](#)
- [CJ 120: Introduction to Corrections](#)
- [CJ 155: Law Enforcement Tactical Operations](#)
- [CJ 160: Law Enforcement Patrol Procedures](#)
- [CJ 202: Statistics in Criminal Justice](#)
- [CJ 210: Criminal Law](#)
- [CJ 230: Principles of Investigation](#)
- [CJ 270: Juvenile Justice](#)
- [CJ 285: Foundations of Terrorism](#)
- [CJ 300: Ethics in Legal Studies](#)
- [CJ 310: Law Enforcement Process and Policy](#)
- [CJ 315: Drug Abuse Enforcement and Criminality](#)
- [CJ 320: Correctional Treatment Strategies](#)
- [CJ 322: Criminal Justice Communications](#)
- [CJ 324: Theories of Criminal Behavior](#)
- [CJ 325: Emergency Management and CJ](#)
- [CJ 330: Hate Crimes and Enforcement](#)
- [CJ 340: Homicide and Death Investigations](#)
- [CJ 345: Cold Case Investigations](#)
- [CJ 360: Independent Study](#)
- [CJ 370: Domestic Crimes and Family Law](#)
- [CJ 376: Elite Forces and Special Operations](#)
- [CJ 390: Special Topics](#)
- [CJ 399: Social Justice and Community Service](#)
- [CJ 400: Homeland Security Operations](#)



- [CJ 410: Criminal Procedure](#)
- [CJ 415: Forensic Science & Crime Scene Analysis](#)
- [CJ 420: Homeland Security Law](#)
- [CJ 421: Selected Topics in Criminal Justice II](#)
- [CJ 422: Probation, Parole & Community Correction](#)
- [CJ 425: Sex Crimes and Investigations](#)
- [CJ 435: Terrorism in the Twenty-First Century](#)
- [CJ 444: Law of Corrections](#)
- [CJ 445: Comparative Criminal Justice Systems](#)
- [CJ 450: Criminal Justice Research](#)
- [CJ 460: The Correctional Experience](#)
- [CJ 465: Criminal Profiling and Serial Offenders](#)
- [CJ 470: Border Security](#)
- [CJ 490: Criminal Justice Internship](#)
- [CJ 499: Colloquium in Criminal Justice](#)
- [CJ 585: Current Topics in Criminal Justice](#)
- [CJ 600: Criminal Justice Administration](#)
- [CJ 601: Criminal Justice Statistical Analysis](#)
- [CJ 602: Criminal Justice Research Methods](#)
- [CJ 606: Ethics and Human Subjects Research](#)
- [CJ 620: Criminal Justice in American Society](#)
- [CJ 621: Seminar in Law Enforcement](#)
- [CJ 622: Seminar in Courts & Sentencing](#)
- [CJ 623: Seminar in Corrections](#)
- [CJ 624: Theories of Criminal Behavior](#)
- [CJ 625: Criminal Justice Theory](#)
- [CJ 630: Seminar in Homeland Security](#)
- [CJ 631: Seminar in Emergency Management](#)
- [CJ 632: Seminar in Extremism and Terrorism](#)
- [CJ 634: Emergency Response Mgmt Policy & Plannin](#)
- [CJ 636: Critical Infrastructure Security](#)
- [CJ 641: Transnational Crime](#)
- [CJ 642: Cybercrime and Cyber Security](#)
- [CJ 643: Legal Issues in Criminal Justice](#)
- [CJ 645: Criminal and Intelligence Analysis](#)
- [CJ 646: Special Topics in Criminal Justice](#)
- [CJ 649: Independent Study](#)
- [CJ 651: Special Topics in HSEM](#)
- [CJ 660: Operational and Staff Planning](#)
- [CJ 661: CJ Policy and Program Evaluation](#)
- [CJ 662: Emer Mgmt and Homeland Sec Policy Eval](#)
- [CJ 663: ST in CJ Stats & Research](#)
- [CJ 664: GIS and Crime Mapping Analysis](#)
- [CJ 670: Intelligence and Homeland Security](#)
- [CJ 671: Communications for Criminal Justice Lead](#)
- [CJ 672: Conflict Resolution and Decision Making](#)
- [CJ 673: Criminal Justice Evidence-Based Decision](#)
- [CJ 674: Budgeting & Finance](#)
- [CJ 675: Topics in Judicial Administration](#)
- [CJ 676: Principles of Leadership](#)
- [CJ 678: Diversity and Inclusion](#)
- [CJ 679: Special Topics in CJ Leadership](#)
- [CJ 680: Personnel Management](#)
- [CJ 681: Law & Public Policy](#)
- [CJ 690: Criminal Justice Practicum](#)
- [CJ 693: Criminal Justice Capstone](#)
- [CJ 697: Thesis](#)
- [CJ 701: Proseminar in CJ Policy Studies](#)
- [CJ 702: Advanced Criminal Justice Statistics](#)



- [CJ 703: Advanced Criminological Theory & Policy](#)
- [CJ 704: Advanced Criminal Justice Policy Studies](#)

College of Liberal Arts

Music

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- [Clar 121: Freshman Clarinet I](#)
- [Clar 122: Freshman Clarinet II](#)
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- [Clar 321: Junior Clarinet I](#)
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- [Clar 441: Senior Clarinet Performance I](#)
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- [Clar 521: Advanced Clarinet I](#)
- [Clar 522: Advanced Clarinet II](#)
- [Clar 541: Advanced Clarinet Performance I](#)
- [Clar 542: Advanced Clarinet Performance II](#)
- [Clar 621: Graduate Clarinet I](#)
- [Clar 622: Graduate Clarinet II](#)
- [Clar 641: Graduate Clarinet Performance I](#)
- [Clar 642: Graduate Clarinet Performance II](#)

Classics

- [Clc 100: Honors Introduction to Classics](#)
- [Clc 101: Introduction to Greek Civilization](#)
- [Clc 102: Introduction to Roman Civilization](#)
- [Clc 103: Women in Antiquity](#)
- [Clc 104: Sports in the Ancient World](#)
- [Clc 105: From Myth to Film](#)
- [Clc 106: Classical Mythology](#)
- [Clc 107: Ancient Cities](#)
- [Clc 201: Medical Terminology in Greek and Latin](#)
- [Clc 299: Service Learning in Classics](#)
- [Clc 303: Greek and Roman Tragedy](#)
- [Clc 304: Greek and Roman Comedy](#)
- [Clc 305: Topics in Classical Mythology](#)
- [Clc 307: Survey of Greek Literature](#)
- [Clc 308: Survey of Roman Literature](#)
- [Clc 309: Greek and Roman Epic](#)
- [Clc 310: Socrates and Sophistry](#)
- [Clc 313: The Roman Republic](#)
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- [Clc 503: Directed Research in Ancient Literature](#)
- [Clc 504: Directed Research in Ancient Culture](#)
- [Clc 505: Directed Research in Ancient Art & Arch](#)

School of Pharmacy

Pharmacy Practice

- [Comm 591: Community Pharmacy Clerkship](#)

School of Education

Leadership & Counselor Education

- [Coun 307: Educational Psychology](#)
- [Coun 309: Psychology of Adolescence](#)
- [Coun 333: Psychology of Human Growth and Development](#)
- [Coun 601: Life Span Development](#)
- [Coun 602: Intro to Professional Couns & Ethics](#)
- [Coun 603: Counseling Skills](#)
- [Coun 604: Research in Counseling](#)
- [Coun 606: Counseling Theories](#)
- [Coun 607: Group Procedures](#)
- [Coun 608: Seminar: Issues and Ethics in Counseling](#)
- [Coun 609: Multicultural Counseling](#)
- [Coun 611: Assessment](#)
- [Coun 612: Foun. of Clin. Mental Health Counseling](#)
- [Coun 613: Diagnostic Systems in Counseling](#)
- [Coun 614: Family Counseling](#)
- [Coun 615: Addictions Counseling](#)
- [Coun 616: Org/Adm & Consultation: CMH Counseling](#)
- [Coun 617: Pre-Practicum and Advanced Skills](#)
- [Coun 626: Foundations of College Counseling](#)
- [Coun 627: College Stud. Deve. & College Counseling](#)
- [Coun 628: Issues & Interventions in College Couns.](#)
- [Coun 630: Foundations of School Counseling](#)
- [Coun 631: Org/Adm & Consultation: School Counselin](#)
- [Coun 635: Psychological Consultation](#)
- [Coun 636: Advanced School Counseling](#)
- [Coun 637: Ldrshp, Advocacy, & Acctbilty in SC](#)
- [Coun 640: Career Counseling](#)
- [Coun 642: Crisis Intervention](#)
- [Coun 644: Counseling Children and Adolescents](#)



- [Coun 652: Individual Study](#)
- [Coun 653: Topics in Counseling I](#)
- [Coun 654: Topics in Counseling II](#)
- [Coun 655: Topics in Counseling III](#)
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- [Coun 661: School-Based Practicum](#)
- [Coun 662: Practicum in CMH Counseling](#)
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- [Coun 671: Assessment in Counseling II](#)
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- [Coun 678: Practicum in School Psychometry](#)
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- [Coun 702: Expressive Arts w/ Children & Adolescent](#)
- [Coun 703: Current Theories in Play Therapy](#)
- [Coun 704: Application of Play Therapy in Schools](#)
- [Coun 705: Application of Play Therapy in MH](#)
- [Coun 706: Psychopharmacology in Play Therapy](#)
- [Coun 707: Play Therapy Supervision](#)
- [Coun 708: Play Therapy in the Courtroom](#)
- [Coun 709: Play Therapy with Older Adults](#)
- [Coun 710: Child-parent Relationship Therapy](#)
- [Coun 711: Play Therapy Practicum](#)
- [Coun 712: Play Diagnosis and Assessment](#)
- [Coun 720: Adv Professional Identity and Ethics](#)
- [Coun 721: Advanced Counseling Theory](#)
- [Coun 722: Adv. Multicultural Counseling & Advocacy](#)
- [Coun 723: Supervision of Counseling Services](#)
- [Coun 724: Research & Publication in Counselor Ed](#)
- [Coun 725: Advanced Career Theory and Practice](#)
- [Coun 726: Advanced Group Counseling](#)
- [Coun 727: Adv Assessment, Diagnosis and Treatment](#)
- [Coun 728: Advanced Clinical Supervision](#)
- [Coun 729: Leadership, Program Eval & Accreditation](#)
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School of Engineering

Electrical and Computer Engineering

- [Cp E 421: Embedded Systems Design](#)
- [Cp E 431: Computer Architecture](#)
- [Cp E 432: Testing of Computing Systems](#)
- [Cp E 461: Senior Design in Computer Engineering I](#)
- [Cp E 462: Senior Design in Computer Engineering II](#)

School of Applied Sciences

Criminal Justice & Legal Studies

- [CR 412: Judicial Reporting Procedures](#)

School of Pharmacy



Pharmacy Practice

- [Crit 591: Critical Care Clerkship](#)

College of Liberal Arts **Croft Inst for International Studies**

- [Croft Thesis: UM Croft Thesis](#)

School of Engineering **Computer & Information Science**

- [Csci 103: Survey of Computing](#)
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- [Csci 112: Computer Science II](#)
- [Csci 191: Office Applications](#)
- [Csci 192: Computing Applications](#)
- [Csci 193: Personal Computer Systems](#)
- [Csci 203: Introduction to Computational Media](#)
- [Csci 211: Computer Science III](#)
- [Csci 223: Computer Org. & Assembly Language](#)
- [Csci 251: Programming for Engineering and Sciences](#)
- [Csci 256: Programming in Python](#)
- [Csci 259: Programming in C++](#)
- [Csci 300: Social Responsibility in Comp. Science](#)
- [Csci 305: Software for Global Use](#)
- [Csci 311: Models of Computation](#)
- [Csci 323: Systems of Programming](#)
- [Csci 325: Foundations of Computer Security](#)
- [Csci 333: Digital Design and 3-D Printing](#)
- [Csci 343: Fundamentals of Data Science](#)
- [Csci 345: Information Storage and Retrieval](#)
- [Csci 353: Introduction to Numerical Methods](#)
- [Csci 354: Web Programming](#)
- [Csci 356: Data Structures in Python](#)
- [Csci 361: Introduction to Computer Networks](#)
- [Csci 387: Software Design and Development](#)
- [Csci 390: Special Topics in Programming](#)
- [Csci 391: Computer Graphics](#)
- [Csci 405: Computer Simulation](#)
- [Csci 423: Introduction to Operating Systems](#)
- [Csci 425: Code Generation and Optimization](#)
- [Csci 426: System Security](#)
- [Csci 427: Network Security](#)
- [Csci 431: Robotics Programming](#)
- [Csci 433: Algorithm and Data Structure Analysis](#)
- [Csci 443: Advanced Data Science](#)
- [Csci 444: Information Visualization](#)
- [Csci 447: Immersive Media](#)
- [Csci 450: Organization of Programming Languages](#)
- [Csci 458: Mobile Application Development](#)
- [Csci 475: Introduction to Database Systems](#)
- [Csci 487: Senior Project](#)
- [Csci 490: Special Topics](#)
- [Csci 491: Special Topics in Computer Security](#)
- [Csci 492: Special Topics in Data Science](#)
- [Csci 500: Fundamental Concepts in Computing](#)
- [Csci 501: Fundamental Concepts in Systems](#)
- [Csci 502: Fundamental Concepts in Algorithms](#)
- [Csci 503: Fundamental Concepts in Languages](#)
- [Csci 517: Natural Language Processing](#)



- [Csci 520: Formal Theory of Computer Languages](#)
- [Csci 521: Computer Systems Engineering](#)
- [Csci 523: Operating Systems](#)
- [Csci 524: Distributed Operating System Design](#)
- [Csci 525: Compiler Construction](#)
- [Csci 526: Parallel Computing](#)
- [Csci 530: Computer Architecture and Design](#)
- [Csci 531: Artificial Intelligence](#)
- [Csci 533: Analysis of Algorithms](#)
- [Csci 541: Expert Systems and Logic Programming](#)
- [Csci 543: Data Mining](#)
- [Csci 547: Digital Image Processing](#)
- [Csci 550: Program Semantics and Derivation](#)
- [Csci 551: Computer System Performance Analysis](#)
- [Csci 554: Web Architecture and Programming](#)
- [Csci 555: Functional Programming](#)
- [Csci 556: Multiparadigm Programming](#)
- [Csci 557: GPU Computing](#)
- [Csci 561: Computer Networks](#)
- [Csci 562: Software Engineering I](#)
- [Csci 575: Database Systems](#)
- [Csci 581: Special Topics in Computer Science I](#)
- [Csci 582: Special Topics in Computer Science II](#)
- [Csci 632: Machine Learning](#)
- [Csci 658: Software Language Engineering](#)
- [Csci 663: Software Families](#)
- [Csci 665: Wireless and Sensor Networks](#)

School of Applied Sciences

Communication Sciences & Disorders

- [CSD 201: Introduction to Communicative Disorders](#)
- [CSD 202: Statistics for CSD](#)
- [CSD 205: Anatomy and Physiology](#)
- [CSD 211: Introduction to Phonetics](#)
- [CSD 216: Normal Development of Communication](#)
- [CSD 301: Introduction to Speech Sound Disorders](#)
- [CSD 302: Research Methods for CSD](#)
- [CSD 303: Communication Deficits in Older Adults](#)
- [CSD 304: Introduction to Hearing Conservation](#)
- [CSD 316: Language and Learning Disorders](#)
- [CSD 351: Basic Audiology](#)
- [CSD 356: Principles of Auditory \(Re\)Habilitation](#)
- [CSD 359: Manual Communication](#)
- [CSD 360: Study USA ASHA Convention & Site](#)
- [CSD 401: Diagnostic Procedures](#)
- [CSD 405: Fluency and Voice Disorders](#)
- [CSD 430: Practices in Audiology](#)
- [CSD 452: Fundamental Speech & Hearing Science](#)
- [CSD 455: Neuroanat & Neurophys of Speech & Hearing](#)
- [CSD 494: Honors Thesis I](#)
- [CSD 495: Introduction to Clinical Science](#)
- [CSD 496: Honors Thesis II](#)
- [CSD 497: Methods & Associate Licensure in SLP](#)
- [CSD 498: Undergrad Practicum in SLP/Audiology](#)
- [CSD 499: Directed Research Practicum](#)
- [CSD 501: Survey of Communicative Disorders](#)
- [CSD 505: Neurophysiology and Genetics of Communication](#)
- [CSD 506: Anat/Phys/Path Aud Sys](#)
- [CSD 507: Fundamentals of Hearing Science](#)



- [CSD 513: Speech Science](#)
- [CSD 520: Advanced Diagnostic Techniques](#)
- [CSD 521: Disorders of Fluency](#)
- [CSD 523: Speech Sound Disorders](#)
- [CSD 526: Neurogenic Disorders of Language](#)
- [CSD 531: Special Problems in CD](#)
- [CSD 541: Child Lang Development & Assessment](#)
- [CSD 551: Clinical Audiology](#)
- [CSD 557: Audiology for the SLP](#)
- [CSD 560: Manual Communication I](#)
- [CSD 562: Manual Communication II](#)
- [CSD 575: Audio Instru & Meas](#)
- [CSD 591: Clinical Practicum in Audiology](#)
- [CSD 592: CI Sem/Speech-Lang Path](#)
- [CSD 593: Clinical Seminar in Audiology](#)
- [CSD 601: Directed Study](#)
- [CSD 605: Counseling Thry/Prac](#)
- [CSD 606: Ethics and Human Subjects Research](#)
- [CSD 612: Advanced Clinical Audiology](#)
- [CSD 613: Rsch Design & Anal](#)
- [CSD 615: Electrophysiologic Evaluation](#)
- [CSD 620: Assessment and Treatment of Dysphagia](#)
- [CSD 622: Voice and Resonance Disorders](#)
- [CSD 624: Craniofacial Anomalies](#)
- [CSD 625: Autism and Developmental Disabilities](#)
- [CSD 626: Aphasia](#)
- [CSD 627: Neurogenic Disorders of Speech & AAC](#)
- [CSD 630: Cerebral Palsy](#)
- [CSD 631: Communication Changes in Aging](#)
- [CSD 632: Workshop in Comm Sciences & Disorders](#)
- [CSD 642: Child Lang Diagnostics & Intervention](#)
- [CSD 649: Pediatric Audiology](#)
- [CSD 651: Aural Rehabilitation](#)
- [CSD 653: Hearing Aids](#)
- [CSD 654: Adv Amp Theory & Tech](#)
- [CSD 657: Industrial Audiology](#)
- [CSD 659: Seminar in Audiology](#)
- [CSD 670: Cen Aud Proc](#)
- [CSD 673: Perception of Speech](#)
- [CSD 690: Prof. Ethics, Licensure, and Curr Trends](#)
- [CSD 691: Graduate Practicum](#)
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- [CSD 694: Graduate Practicum](#)
- [CSD 695: Graduate Practicum](#)
- [CSD 697: Thesis](#)

