

University Curriculum Committee Report  
Spring Semester 2009  
February 2009

**New Academic Program**

B.S.A. with a major in Unmanned Aircraft Systems Operations

**Change in Department Title**

Current: Department of Physics

Proposed: ♦ Department of Physics and Astrophysics

**Change in Minor Title**

Current: Chemical Use/Abuse Awareness

Proposed: Chemical Dependency

**Program Termination**

B.S. Ed with Combined Major in Elementary Education and Early Childhood

**New Courses**

AtSc 100 Atmospheric Sciences Orientation 1 cr  
AtSc 120 Severe and Hazardous Weather 3 crs  
Avit 485 Aviation Senior Capstone 3 crs  
ChE 315 Statistics and Numerical Methods in Engineering 3 crs  
ChE 420 Capstone in Sustainable Energy 3 crs  
CIEN 202 Introduction to Digital Terrain Modeling 1 cr  
CSci 130 Introduction to Scientific Programming 4 crs  
CSci 230 Systems Programming 3 crs  
COUN 526 Educational Collaboration 3 crs  
COUN 527 School-Based Family Counseling 3 crs  
C J 341 Criminal Law 3 crs  
C J 342 Criminal Procedure 3 crs  
C J 430 Developmental Perspectives on Adolescent Problem Behavior 3 crs  
C J 491 Orientation to Administrative Internship 1 cr  
EDL 538 Auxiliary School Functions 3 crs  
EDL 556 College Students and the Law 3 crs  
Geol 106 Global Warming: the Facts and Myths 3 crs  
Phil 330 Environmental Ethics 3 crs  
Rels 355 Islam 3 crs  
Rels 480 Religion Capstone 3 crs  
SpSt 505 Spacecraft Systems Engineering 3 crs  
SpSt 512 Human Performance in Extreme Environments 3 crs  
SpSt 528 Space Environment and the Sun 3 crs  
SpSt 529 Introduction to Radio Astronomy 3 crs  
SpSt 581 Field Visit to Space Centers 1-3 crs, repeatable to 3  
T&L 523 Literacy Instruction for English Language Learners 3 crs  
T&L 525 Writing in the Classroom 3 crs  
T&L 528 Children's Literature in the Classroom 3 crs

**Course Deletions**

ChE 333 Basic Experimental Strategies 1 cr

CSci 250 Assembly Language Programming 4 crs  
CSci 351 Introduction to File Processing 3 crs  
COUN 531 Psy of Women, Gender & Develop 3 crs  
COUN 533 Couples and Family Counseling 3 crs  
C J 353 Law for the Criminal Justice System 3 crs  
SpSt 438 Volcanism: A Planetary Process I 3 crs  
SpSt 538 Volcanism: A Planetary Process II 3 crs  
T&L 517 Creative Expression in the Elementary School 2 crs  
T&L 532 Teaching of Reading in the Intermediate Grades 2 crs

Senate approval is not required for the following report items

### **Course Change Requests**

A&S 450 Capstone Experience & Development change title to Capstone Experience & Development for Nonprofit  
AtSc 355 Surface Transportation Weather change in prerequisites from AtSc 310 to AtSc 210 and AtSc240; change frequency from S to F/2  
AtSc 455 Surface Transportation Weather II change prerequisites to AtSc 310 and AtSc 355; delete corequisite; change frequency from S to S/2  
AtSc 460 Mesoscale Dynamics change frequency from F to S  
AtSc 492 Senior Project change in credits from 1 to 1 to 2 credits, must be repeated for a total of 3 credits; change in course description  
Avit 260 ATC: Tower Operations I add prerequisite Avit 103  
Avit 346 Aerodynamics and Performance Helicopter change from 3 to 4 credits  
Avit 402 Airport Planning and Administration delete prerequisite  
Avit 403 Aerospace Law delete prerequisite; change in course description  
Avit 405 Airline Operations and Management delete prerequisite  
Avit 407 General Aviation Operations and Management delete prerequisite  
Avit 428 Transport Category Aircraft Systems change in course description  
Avit 468 ATC: Non-Radar Procedures change in credits from 2 to 4; change in course description; frequency added  
Avit 490 Methods and Materials in Teaching Aviation change title to Methods and Materials in Teaching Aviation I; add or consent of the instructor to prerequisites; change in course description  
Avit 491 Methods and Materials in Teaching Aviation II add or consent of the instructor to prerequisites; change in course description  
ChE 201 Stoichiometry change title to Chemical Engineering Fundamentals  
ChE 303 Chemical Engineering Thermodynamics change prerequisites to ChE 201 or GeoE 351  
ChE 331 Chemical Engineering Laboratory II change prerequisites to ChE 201, 206 and 315  
ChE 332 Chemical Engineering Laboratory III change prerequisites to ChE 331  
ChE 340 The Role of Engineers and Applied Scientists in a Global Society change title to Professional Integrity in Engineering; change in course description  
ChE 421 Chemical Engineering Reactor Design change course number to 321; delete Chem 465 from prerequisites; change frequency from F to S  
CSD 536 Stuttering Intervention change in credits from 3 to 2  
CSci 161 Computer Science II change prerequisites from CSci 160 and to CSci 130 or CSci 160  
CSci 260 Advanced Programming Languages change credits from 1-3 to 3  
CSci 289 Social Implications of Computer Technology delete prerequisites; change term from S to F  
CSci 327 Data Communications change prerequisite from CSci 250 and Math 208 to CSci 230 and Math 208  
CSci 365 Organization of Programming Languages delete CSci as a prerequisite  
CSci 384 Artificial Intelligence change frequency from S to F

CSci 445 Mathematical Modeling and Simulation change frequency from S/2 to F/2  
CSci 446 Computer Graphics I change frequency from S/2 to F/2  
CSci 448 Computer Graphics II change frequency from F/2 to S/2  
CSci 451 Operating Systems I change frequency from F to S  
CSci 455 Database Management Systems change frequency from F to S  
CSci 457 Electronic Commerce Systems change prerequisite from CSci 363 to CSci 260; change frequency from on demand to S/2  
CSci 463 Software Engineering change frequency from F to S  
CSci 465 Principles of Translation change prerequisites to CSci 365 and CSci 370  
CSci 370 Computer Architecture change credits from 3 to 4; change prerequisites from CSci 250 to 230; change in course description; change frequency from S to F  
COUN 581 School Counseling Practicum change credits from 3 to 4; remove or 550 or 506 from prerequisites; change in course description  
COUN 589 Internship in School Counseling change title to School Counseling Internship; change in course description; change credits from 3-4 to 2 to 3 per semester (6-8 total)  
C J 397 Cooperative Education change credits from 1-8, repeatable to 16 to 1-6, repeatable to 12; change in course description  
C J 401 Administration of Criminal Justice Systems change in course description  
C J 497 Administrative Internship change credits from 2-12 to 1-6 credits, repeatable to 12; change in course description  
Econ 504 Advanced Price Theory change prerequisites to Econ 308 and co-requisite or prerequisite Econ 416  
Econ 524 Applied Economic Analysis I change in course description  
Econ 575 Advanced Special Topics change credits from 2-4 to 1-3  
EDL 501 Leadership, Planning and Organizational Behavior change title to Leadership and Org Behavior  
EDL 511 Personal Communication and Ethics change title to Effective Administrative Communications; change in course description  
EDL 513 Curriculum, Instruction & Learning Theory change title to Leading Curriculum & Learning  
EDL 514 Personnel, Supervision and Staff Development change title to Supervision and Staff Development  
EDL 515 Education Law & Organizational Structure of Schools change title to Education Law and Ethics; change in course description  
EDL 516 Policy and Educational Finance change title to Education Finance and Policy; change in course description; change credits from 2 to 3  
EDL 520 Middle School Principalship change title to Middle School Principal Field Study  
EDL 521 Elementary School Principalship change title to Elementary Principal Field Study  
EDL 522 Secondary School Principalship change title to Secondary Principal Field Study  
EDL 523 The Educational Plant change credits from 2 to 3; change in course description  
EDL 535 Administration of Elementary School Curriculum change title to Admin of Elem Schl Curriculum  
EDL 536 Administration of Middle School Curriculum change title to Admin of Mid Schl Curriculum  
EDL 537 Administration of Secondary School Curriculum change title to Admin of Sec Schl Curriculum  
E E 480 Senior Design I change in course description  
E E 481 Senior Design II change in course description  
FIN 440 Valuing Real Assets and Financial Strategy remove FIN 360 from prerequisites; change in course description; change in frequency from F to S  
Mgmt 300 Principles of Management delete Acct 201, Econ 202, Econ 210 and declared and pre-CoBPA majors only from prerequisites/corequisites  
Mgmt 433 Logistics change title to Logistics in the Supply Chain; change requisites to prerequisites or corequisites: Mgmt 309; declared CoBPA major; change in course description; change in frequency from S to F

Musc 136 Keyboard Skills II add a grade of C or better in to Musc 133 prerequisite  
Musc 233 Keyboard Skills III add a grade of C or better in to Musc 136 prerequisite  
Musc 236 Keyboard Skills IV add a grade of C or better in to Musc 233 prerequisite  
Musc 446 Instrumental Classroom Methods and Materials change frequency from S/2 to F/2  
Phil 283 Asian Philosophy change course number to 383  
Rels 102 Introduction to Religion (East) change title to Religions of Asia; change in course description  
Rels 228 Early Christian Traditions change course number to 328; change course title to Development of Christian Doctrine  
Rels 238 Christianity in the Modern World change course number to 338; change title to Contemporary Christianities; change in course description  
Rels 247 Introduction to Judaism change course number to 334; change title to Judaism  
Rels 315 Religion and Philosophy in China and Tibet change title to Daoism and Confucianism  
Rels 320 Religion and Philosophy in India change title to Hinduism  
Rels 345 Death and Dying change course number to 245  
SWK 255 Social Work in a Modern Society change title to Introduction to Social Work  
SWK 257 Human Behavior in the Social Environment I change title to Human Behavior and the Social Environment I; change in course description  
SWK 311 Child Welfare change in course description  
SWK 317 Social Work Research change prerequisite or corequisite to SWK 255; change in course description  
SWK 357 Human Behavior in the Social Environment II change title to Human Behavior and the Social Environment II; change in course description  
SWK 424 Generalist Social Work Practice with Individuals and Families change in course description  
SWK 434 Generalist Social Work Practice with Task and Treatment Groups change in course description  
SWK 454 Generalist Social Work Practice with Communities and Organizations change in course description  
SWK 481 Field Instruction I change in course description  
SWK 483 Field Instruction II change in course description  
SWK 489 Senior Honors Thesis change credits from 1-8, repeatable to maximum of 9 to 3 credits, repeatable to a maximum of 6  
SWK 493A, 493B Special Topics change repeatable from a maximum of 6 credits to maximum of 9  
Soc 351 Corrections change prefix and course number to C J 270; change title to Introduction to Corrections  
SpSt 405 Advanced Space Mission Design change title to Space Mission Design grad section  
SpSt 420 Space Science and Exploration change course number to 220; delete from grad section  
SpSt 435 Global Change change in course description  
SpSt 451 History of the Space Age change course number to 270  
SpSt 502 Survey of Space Studies II change in course description  
SpSt 522 Satellite Information Processing change in title to Remote Sensing Principles; change in course description  
SpSt 523 Advanced Image Processing change title to Remote Sensing Applications; change in course description  
SpSt 526 Advanced Observational Astronomy change prerequisites to SpSt 425, SpSt 501 and Math 165  
T&L 524 Reading in the Content Area delete pre or corequisite; change in course description  
T&L 530 Foundations of Reading Instruction change in course description  
T&L 533 Reading in the Secondary School delete pre or corequisite; change in course description  
T&L 534 Basic Reading Diagnosis and Remediation delete prerequisites; add corequisite: T&L 583;  
T&L 536 Teaching & Supervision of Elementary Language Arts delete co or prerequisite  
T&L 583 Reading Clinic change credits from 1-4 to 2; delete prerequisites; add corequisite T&L 534

### **Program Requirements Change Requests**

B.S.A. with a major in Air Traffic Control, Commercial Aviation, Flight Education and Aviation Technology Management delete Avit 302 from the program requirements and replace it with Avit 485

B.S.A. with a major in Air Traffic Control - remove Econ 201, Comm 212 and ISYS 117 as required courses to allow for more student electives; adding option for student to choose among ISBE 320, Engl 226 or Engl 308

B.S. Atmospheric Sciences AtSc 100 required course; reduce Technical Electives from 6 to 5 credit hours; reduce Free Electives from 12 to 11 credit hours; AtSc 492 from 2 to 3 credits

Aviation Programs Avit 485 will replace Avit 302 as a requirement

Biology Graduate Program remove GRE subject test in Biology for M.S. and Ph.D. applicants; remove 60<sup>th</sup> percentile cut-off on the GRE test for potential Ph.D. students; allow direct entry to Ph.D. program with undergrad degree; inserting a minimum of in front of degree credits required; new grad student assessment plan

B.S. in Chemical Engineering change in course requirements for degree

B.S. in Chemical Engineering add Sustainable Energy Engineering Concentration and requirements for the concentration

M.S. in Chemical Engineering changes to reflect specific course requirements for the degree

Major in Chinese Studies changing course title of Rels 315

Minor in Chinese Studies: Culture and Business changing course title of Rels 315

Minor in Chinese Studies: Language & Culture changing course title of Rels 315

B.S. Civil Engineering remove CIEN 201 and replace with CIEN 202; add Comm 110; drop requirement to take either I T 211 or E E 206

B.S. in Computer Science requirements for B.S./M.S. combined program in Computer Science

B.A. and B.S. in Computer Science replacing CSci 250 with CSci 230 and making necessary changes in program to reflect this change

Computer Science Minor delete CSci 250 and increase elective credits from 9 to 12

Computer Science Network and Operating Systems Analysis Specialization (Information) delete CSci 351 and replace with CSci 363

Computer Science Network and Operating Systems Analysis Specialization (Software Engr) add CSci 130, 230 to requirements; removed CSci 250

Computer Science Network and Operating Systems Analysis Specialization (Network) Increase in credits for CSci 370; changing CSci 260 required course to CSci 230

B.S.A. with a major in Commercial Aviation remove Econ 201, Comm 212 and ISYS 117 as required courses to allow for more student electives; adding option for student to choose among ISBE 320, Engl 226 or Engl 308

M.A. in Counseling (School Counseling Emphasis) program revisions after accreditation visits

Criminal Justice Studies updating elective course list and CJ courses

Educational Leadership M.S. (Higher Ed Emphasis) Drop EDL 501, 511; Add EDL 556, 559; require 4 of 4 courses rather than 3 of 4; increase total credits from 33 to 34

Educational Leadership M.ED. (P-12 Emphasis) change courses to reflect course changes made above; add one curriculum administration course; increase total credits from 32 to 34

Electrical Engineering Undergraduate programs changes to reflect designation of Essential Studies required courses; listing more options for ethics elective; computer science focus changes to reflect changes made by Computer Science Department

B.A. in English: Teacher Licensure changes to reflect Educational Standards and Practices Board requirements

Environmental Engineering Certificate change in admission requirements; change in degree requirements

B.S.A. with a major in Flight Education - remove Econ 201, Comm 212 and ISYS 117 as required courses to allow for more student electives; adding option for student to choose among ISBE 320, Engl 226 or Engl 308

B.S. Graphic Design Technology change I T prefix to TECH

B.S. Industrial Technology change course prefix from I T to TECH  
B.S. Industrial Technology (Technology Teacher Certificate) change course prefix from I T to TECH  
M.S. in Industrial Technology change course prefix from I T to TECH  
B.B.A. with major in Management reflects Mgmt 433 title change  
B.B.A. with major in Operations and Supply Chain Management add Mgmt 433 as a business elective  
B.A. with major in Philosophy & Religion: Religion concentration requires studies to take classes from five areas of religious studies  
Minor in Philosophy & Religion: Religion concentration change in minor requirements to include Rels 100 and 21 total credits  
Clinical Psychology & General-Experimental Ph.D. programs addition of language to clarify for prospective graduate school applicants requirements for Masters degree in Gen Psyc and continuing in the Ph.D. program  
Reading Education, M.S. listing T&L 524, 525, 530, 534 and 583 as core requirements for major  
Reading Education, M.Ed. listing T&L 524, 525, 530, 534 and 583 as core requirements for major  
Undergrad Social Work program change in advisement policy; GPA entrance requirement changed to 2.75; progression through the program and graduation requirements changes; Chemical Use/Awareness minor name change  
Space Studies undergraduate minor eliminate SpSt 491 requirement; addition of six classes to the elective courses  
Space Studies M.S. minor word changes in admission requirements; clarification on completion of capstone course  
Undergraduate Teacher Education Acceptance into student teaching will require all candidates to have taken the appropriate Praxis II content exam

### **Denied Requests**

Lang 101 First Year Language I  
Lang 102 First Year Language II  
Lang 201 Second Year Language I  
Lang 202 Second Year Language II