

**Collin College/Texas Woman's University**  
**Major: Bachelor of Science in Mathematics Grades 4-8**  
**2008-2009**

<b>TWU Course Number</b>	<b>Collin College Course Number</b>
<b>English Composition and Rhetoric (6 hours)</b>	
ENG 1013	ENGL 1301 Composition and Rhetoric I
ENG 1023	ENGL 1302 Composition and Rhetoric II
<b>Mathematics (6 hours)</b>	
MATH 1313	MATH 1316 Trigonometry
Chosen from core curriculum	
<b>Natural Sciences (6-8 hours/2 courses of lab science)</b>	
Science	Core 4 hour lab science
Science	Core 4 hour lab science
<b>Humanities (3 hours)</b>	
ENG 2xxx Literature	ENGL 23xx Literature
<b>Visual and Performing Arts (3 hours: 1 course chosen from core curriculum)</b>	
<b>Social and Behavioral Sciences (SOC 1013 meets 3 hrs Global Perspective Requirement)</b>	
SOC 1014 Sociology	SOCI 1301 Sociology
<b>History (6 hours)</b>	
HIST 1013	HIST 1301 U.S. History I
HIST 1023	HIST 1302 U.S. History II
<b>Political Science/Government (6 hours)</b>	
GOV 2013	GOVT 2301 American Government I
GOV 2023	GOVT 2302 American Government II
<b>Multicultural/Global Perspective (3 hours)</b>	
Any approved	
<b>Computer Competency</b>	COSC 1300 or BCIS 1305 Beginning fall 2010 Collin will not require a computer science for their core.
<b>Oral Competency</b>	SPCH 1311, 1315, or 1321
<b>Science (6 hours in addition to core)</b>	
<b>Mathematics (37 hours with at least 18 hours advanced)</b>	
MATH 1603 Fundamentals of Elementary Math I	MATH 1350
MATH 1613 Fundamentals of Elementary Math II	MATH 1351
MATH 1703 Elementary Statistics I	MATH 1342
MATH 2014 Introductory Calculus I	MATH 2413
MATH 2024 Introductory Calculus II	MATH 2414
MATH 3104 Introductory Calculus III	MATH 2415 (non-advanced)
MATH 3003 A Survey of Geometry <b>or</b> MATH 4313 Geometry in Math Classroom	
MATH 3053 Abstract Algebra	
MATH 3063 Linear Algebra <b>or</b> MATH 3073 Matrix Methods	MATH 2318 (non-advanced) <b>or</b> MATH 2373 (non-advanced)
MATH 4003 Math Concepts in the Educational Setting	
MATH 4103 Problem Solving in Elementary Grades <b>or</b> MATH 4303 Algebra in Math Classroom	
MATH 4311 Seminar in Math Education	

<b>Teaching Foundations (17-20 hours)</b>	
CSCI 3002 Advanced Computing Technology	
EDBE 3033 Language and Culture (unless taken as core)	
EDSP 4203 Learners with Exceptionalities	
FS 2003 Diversity in Contemporary Families	
FS 3513 Adolescent Development	
READ 3423 Reading and Language Arts 4-8	
READ 3463 Content Reading	
<b>Pedagogy and Professional Responsibility (20 hours)</b>	
EDUC 2003 Schools and Society	EDUC 1301
EDUC 3001 Integrating Technology for Effective Learning	
EDUC 3003 Learning Theory and Development	
EDUC 4001 Integrating Technology into Design and Implementation of Assessment and Instruction	
EDUC 4113 Instruction and Assessment	
EDUC 4243 Classroom Environment and Management	
EDUC 4786 Student Teaching	
<b>Notes:</b>	
<ol style="list-style-type: none"> <li>1. By state law the candidate must have credit for six (6) semester hours of American History. Texas History may substitute for three (3) semester hours.</li> <li>2. Major: The catalog defines the requirements of this major as a minimum of (36) Semester hours .One half (1/2) advanced and one quarter (1/4) taken in residency at TWU.</li> <li>3. Minor: The sequence of education courses will be accepted in lieu of a minor.</li> <li>4. Each degree requires a minimum of 120 hours, including 36 advanced hours. Thirty (30) hours must be completed in residency at TWU.</li> <li>5. A student may transfer no more that 72 semester hours from junior or community colleges. There is no maximum number of semester hours transferable from universities.</li> <li>6. A student who holds a valid bachelor’s degree from another accredited college or university and who wishes to earn a second bachelor’s degree at TWU must complete the following legal requirements: Six (6) semester hours of American History Three (3) semester hours of National Government Three (3) semester hours of State Government Thirty-six (36) hours of advanced electives Must meet departmental, residency and core requirements</li> </ol>	
<b>Procedures:</b>	
<ol style="list-style-type: none"> <li>1. The student will file TWU transcripts, TWU grade reports and TWU evaluations with advisor at the time suggested by advisor.</li> <li>2. The catalog carrying the date s student was first enrolled in an accredited college or university may dictate the requirements for graduation for a five-year period. Beyond this time a new catalog must be consulted. The advisor and student should agree on the catalog date to be used and enter this information in the space designated “Catalog Date” on the opposite side of this form. This rule may be superseded by state law.</li> <li>3. The student will list on this form all courses satisfactorily completed, as well as those to be completed, by course number.</li> <li>4. The advisor should sign as major advisor and forward the form to the department chair.</li> <li>5. The chair will be the sole authority for authorizing substitutions in the listing of major and minor courses.</li> <li>6. The form will be forwarded to the College of Professional Education. After approval and signature, the College of Professional Education will return the form to the Department of</li> </ol>	

Mathematics and Computer Science Chair.

7. Chair will forward the form to the Dean of the College of Arts and Sciences.
8. The dean, if approval is granted, will forward the form to the Registrar's Office at least one year prior to the expected date of graduation.
9. The Registrar's Office will determine that legal and university-wide graduation requirements have been or will be satisfied for graduation.
10. The Registrar's Office will notify the candidate for graduation steps to be followed for graduation (ordering diploma, invitations, academic regalia, and time and place of ceremony).

**Contacts/Phone Numbers: Dr. Don Edwards/940.898.2166**

**Website: <http://www.twu.edu/math-computer-science/>**

sh/10/8/09