

Other Required Courses – Post Admission			8-9 Semester Credits			TEAM (Teacher Education through Applied Methods) Courses – Post Admission			14 Semester Credits		
T&L	341	Foundations of Middle Level (Fall)	2			T&L	410	Teach Reading & Writing in Elem School	3		
T&L	350	Development & Ed of Adolescents	3			T&L	430	Social Studies in the Elem School	3		
T&L	409	Reading in Content Area (Spring)	3			T&L	440	Math in the Elementary School	3		
T&L	411, 412 or 413/414	Reading Courses (co-req: T&L 328 & pre-req: 335)	2 or 2/2			T&L	470	Science in the Elementary School	3		
T&L	432	Classroom Management	3			T&L	486	Field Experience – TEAM	2		
T&L	433	Multicultural Education	3			Note: All major coursework, V.I.T.A.L. hours and Praxis II must be completed before Student Teaching.					
T&L	465	Middle Level Curriculum & Methods (Spring)	5			Pracatica – Post Admission			17 Semester Credits		
T&L	486	Field Experience: Middle Level (Spring)	2			T&L	487	Student Teaching	16		
						T&L	488	Senior Seminar (Co-req: Student Teach)	1		

*Elementary Education requires **you must take a history course (History 101, 102, 103)** which can count as either meeting a Social Science or Arts & Humanities requirement and **you must take a Geography course (Geog 151, 161)** which can count as either meeting a Social Science or Math, Science & Technology requirement. You will also be required to take either T&L 252 – Child Development or Psc 250 – Developmental Psychology.

**Math, Science & Technology

Must be taken in a minimum of 3 departments and must include 2 science courses with corresponding labs. Courses with labs must be chosen from at least two different science areas: Physical, Biological, Earth and/or Space Studies. Math 103 or a higher math course is required unless a qualifying score is achieved on the math placement test.

North Dakota Science Requirement: To obtain a teaching license in N. D. coursework must be completed in life, physical, earth, and space science. These courses may be taken from the Science Departments or from the T&L Science Department. Two areas of science may be satisfied with **one** course and will be determined by the **title or course content**. **The Courses in italics and bolded double count for two science areas. See advisor for additional science course options for the North Dakota Teacher Licensure Requirements.**

*Note: T&L department science courses do not apply toward General Education Requirements ** denotes lab courses

Life Science Category		Physical Science Category		Earth Science Category	Space Studies Category
Hum 270 Intg. Studies Life Science (Fall)	Biol 150/L**	Hum 271/L Intg. Studies General Science (Spring)	<i>Phys 140 or 150/L</i>	AtSc 110/L**	<i>Phys 110/L**</i>
Biol 111/L**	Biol 151/L**	Chem 115 or 116/L**	Phys 161/162/L**	Geol 101/L**or 102/L**or 103 or 104	<i>Phys 150/L**</i>
<i>Biol 124</i>	TL 472*	Chem 121 or 122/L**	Phys 211/212/L**	<i>Geol 111/111R</i>	SpSt 200, *420,*430
Biol 240		<i>Phys 110/L**</i>	T&L 471*	<i>Biol 124</i>	<i>T&L 473*</i>
		Phys 130/L**		<i>T&L 473*</i>	<i>Geol 111/111R</i>

NOTE: All major coursework and V.I.T.A.L. hours must be completed before student teaching

Practica – Post Admission (17 Units) PRAXIS II tests must be taken prior to student teaching. Test Dates are limited, so plan accordingly. Visit the ETS web site (www.ets.org/praxis) for the appropriate test(s) required.

Prerequisites for T&L 487 Student Teaching	Graduation Requirements
<input type="checkbox"/> Grade of C or better in all Elementary Education major courses	<input type="checkbox"/> 60 Hours at a 4-year institution
<input type="checkbox"/> Satisfactory completion of Phase 1 and 2 Portfolio Review	<input type="checkbox"/> Last 30 hours completed through UND
<input type="checkbox"/> Completion of all Essential Studies Requirements	<input type="checkbox"/> 125 hours for degree
<input type="checkbox"/> Satisfactory removal of incomplete grades	<input type="checkbox"/> 2.75 overall GPA
<input type="checkbox"/> Advisor approval on the completion of GER & Major courses	<input type="checkbox"/> Essential Studies Requirements completed
<input type="checkbox"/> 2.75 overall GPA and 3.00 GPA in Elementary Major	<input type="checkbox"/> World Cultures Course
<input type="checkbox"/> T&L 432 Classroom Management	<input type="checkbox"/> Degree Requirements Completed
<input type="checkbox"/> Completion of V.I.T.A.L. hours	<input type="checkbox"/> PRAXIS II taken

NON CORE CONCENTRATIONS – Required courses are starred (*). In all cases consult an advisor and the catalog before selecting classes.

ART					INDUSTRIAL TECHNOLOGY				
Course	Number	Title	Credits	Grade	Course	Number	Title	Credits	Grade
*ART	110	Introduction to Visual Art	3		TECH	110	Fundamentals of Technology (Fall)	2	
*ART	112	Basic Design	3		*TECH	122	Computer Aided Design/Draft (Fall)	3	
*ART	130	Drawing I	3		*TECH	201	Electromechanical Fundamentals (Fall)	3	
*ART	151	Introduction to Ceramics	3		TECH	202	Adv Applications of CADD Techniques (Spring)	3	
*ART	210 or 211	History of Art I or History of Art II	3		*TECH	203	Production Processes: Manufacturing (Spring)	3	
*ART	220	Painting I	3		*TECH	204	Industrial Materials & Testing (Fall)	3	
*ART	230	Drawing II	3		TECH	211	Electric Circuits and Devices (Spring)	3	
*ART	461	Methods & Materials: Art Education	3		*TECH	212	Principles-Graphic Design & Print Production (Fall)	3	
*T&L	486	Field Experience: Art Education	2		*TECH	213	Production Processes: Construction (Fall/2)	3	
FOREIGN LANGUAGES					TECH	223	Applied Synthetics (Spring)	3	
					Required coursework in a single foreign language must include the following:				
		* Minimum of 9-12 upper level semester hours in a single language			*T&L	486	Field Experience:Technology Education	2	
		* Composition and conversational structure of the language			HEALTH				
		* Culture, customs, and civilization relative to the language			*PXW	310	First Aid and CPR	2	
		* Introduction to literature in the language			*PXW	326	Fundamentals of Physical Conditioning	3	
		* Methods of teaching foreign language (T&L 400 – 3 credits offered in fall only)			*PXW	327	Fitness for Life	3	
		*T&L 486 – Field Experience: Foreign Language – 2 Credits			*PXW	403	School Health Education	2	
					*PSYC	250	Developmental Psychology	4	
					*NUTR	240	Fundamentals of Nutrition	3	
					*Geol	103	Introduction to Environmental Issues	3	
					T&L	252	Child Development	3	
					Or Soc	335	The Family		
					*Choose one of the following:				
					PPT or	410	Drugs Subject to Abuse or	2	
					SOC	355	Drugs and Society	3	
					*T&L	486	Field Experience: Middle School	2	

**** Note: The Special Emphasis Areas may be an approved departmental major course or an approved Communication, Social Science, Arts & Humanities, or Math, Science & Technology course. CLEP and AP credits will not count towards meeting the Special Emphasis Areas requirements. (Subject to change)

Programs preparing teacher educators and other school related personnel at UND are in compliance with the Title II, Higher Education Act and have reported their information to the North Dakota Education Standards and Practices Board.