

Educator Licensing Program
School of Education
100 Education Building
(970) 491-5292
Website: www.teachered.colostate.edu

Student's Name _____

E-mail Address _____

Address _____

Phone _____

ENGINEERING SCIENCE – Engineering Education
Curriculum Checksheet
136 credits

Note to the Student: This checksheet describes the curricular requirements for both the Bachelor of Science in Engineering Science with a concentration in "Engineering Education" and for the teacher licensing program in technology education. The courses listed are courses required in both areas. All curricular requirements on this checksheet, along with other programmatic requirements, must be met in order to receive the institutional recommendation for the teaching endorsement. A minimum of 42 credits must be completed in upper-division coursework. The Educator Licensing Program is a non-degree program; bachelor degrees in education are not awarded.

Professional Education Courses

		Substitution
____ EDCC 275 <i>Schooling in the U.S. (3F)</i>	3	_____
____ ED 331 <i>Tech Ed & Assessment</i>	2	_____
____ ED 340 <i>Literacy & the Learner</i>	3	_____
____ ED 350 <i>Instruction I (Individual/Mgmt)</i>	3	_____
____ ED 386 <i>Practicum-Instruction I</i>	1	_____
____ ED 450 <i>Instruction II (Standards/Assess)</i>	4	_____
____ ED 486J <i>Practicum: Instruction II</i>	1	_____
____ ED 493B <i>Sem-Assess of Learning</i>	1	_____
____ VE 465 <i>Meth/Mat in Tech Ed</i>	3	_____
____ VE 485 <i>Student Teaching-Secondary</i>	11	_____
____ VE 492 <i>Seminar: Professional Relations</i>	1	_____

All-University Core Curriculum

		Substitution
____ COCC 150 <i>College Composition (1A)</i>	3	_____
____ MCC 160 <i>Calculus-Physical Sci (1B)</i>	4	_____
____ MCC 161 <i>Calculus-Physical Sci II (1B)</i>	4	_____
____ SPCC 200 <i>Public Speaking (2A1)</i>	3	_____
____ STCC 309 <i>Stats-Engs & Scientists (2B)</i>	3	_____

Biological/Physical Sciences (3A)

____ C CC 111 <i>General Chemistry I</i>	4	_____
____ C CC 112 <i>General Chemistry Lab I</i>	1	_____
____ PHCC 141 <i>Physical-Sci & Eng I</i>	5	_____
____ PHCC 142 <i>Physics-Sci & Eng II</i>	5	_____

____ <i>Arts and Humanities (3B)</i>	3	_____
____ <i>Social/Behavioral Science (3C)</i>	3	_____
____ <i>Historical Perspectives (3D)</i>	3	_____
____ <i>Global and Cultural Awareness (3E)</i>	3	_____
____ <i>U.S. Public Values/Inst. (3F) (EDCC275)</i>	3	_____
____ <i>Health and Wellness (3G)</i>	2	_____

Depth and Integration (AUCC 4A, 4B, 4C)

ED 485BV and ED 493A

Engineering Science Core (Content) Courses

____ CE 262 <i>Eng Mechanics</i>	4	_____
____ CE 300 <i>Fluid Mechanics</i>	4	_____
____ CE 360 <i>Mechanics of Solids</i>	3	_____
____ CE 367 <i>Structural Analysis</i>	3	_____
____ EE 204 <i>Intro to Elect Engineering</i>	3	_____
____ M 261 <i>Calculus-Physical Sci III</i>	4	_____
____ M 340 <i>Intro-Ordinary Diff Equations</i>	4	_____
____ MECH 201 <i>Engineering Design I</i>	3	_____
____ ME 304 <i>Engineering Design II</i>	3	_____
____ ME 307 <i>Mechatronics&Meas Systems</i>	4	_____
____ ME 331 <i>Intro to Eng Materials</i>	4	_____
____ ME 337 <i>Thermodynamics</i>	3	_____

Engineering Science Technical Elective (12-14) Substitution

____ CE 108 <i>Civil Eng Principles I</i>	3	_____
____ CE 109 <i>Civil Eng Principles II</i>	3	_____
____ CE 408 <i>Civil Eng Design I</i>	3	_____
____ CE 409 <i>Civil Eng Design II</i>	3	_____
-OR-		
____ ME 101 <i>Intro to Mfg Processes</i>	3	_____
____ ME 102 <i>Mech Eng Problem-solving</i>	3	_____
____ ME 486A <i>Eng Des Practicum I</i>	4	_____
____ ME 486B <i>Eng Des Practicum II</i>	4	_____
-OR-		
____ EE 192 <i>Elect Eng Fundamentals</i>	3	_____
____ EE 201 <i>Circuit Theory</i>	3	_____
____ EE 303 <i>Intro to Comm Principles</i>	3	_____
____ EE 401 <i>Senior Design I</i>	3	_____

Elective Course – 1-3 Credits

See the back of this checksheet for important course requirements and advising reminders.



