OFFICE OF ARTICULATION AND TRANSFER EVALUATION

Building Character. Building Careers.

724-938-5939 | 724-938-4564 FAX

March 28, 2008

CCAC

ATTN: Frances K. Dice College Office 800 Allegheny Avenue Pittsburgh, PA 15233-1895

RE: TED Agreement

Dear Fran:

Enclosed is a fully executed agreement between California University of Pennsylvania and CCAC.

Sincerely,

Belinda L. Smith

Director, Articulation

and Transfer Evaluation

Enclosures

BLS/mas

A proud member of the Pennsylvania State System of Higher Education.

Reginal academic SVP 4-1-8

COMMUNITY COLLEGE OF ALLEGHENY COUNTY AND CALIFORNIA UNIVERSITY OF PENNSYLVANIA ARTICULATION AGREEMENT

THIS AGREEMENT, dated this 1st day of March, 2008, is made by and between, the Community College of Allegheny County, hereinafter called, "CCAC", and California University of Pennsylvania, hereinafter called "CAL U".

CCAC and CAL U acknowledge their shared mission to provide quality higher education programs, which meet the needs of the region and provide a workforce of highly trained residents.

I. PURPOSE

The primary purpose of this Agreement is to enhance the transferability between CCAC's Associate of Science Degree Programs in Architectural Drafting and Design Technology, Civil Engineering Technology, Computer-Aided Drafting and Design Technology, Manufacturing Technology (Controls, Machining, Nanofabrication or Welding track), Mechanical Drafting and Design Technology, Microcomputer Electronics Technology, Robotics and Automated Systems Technology, or Science and Engineering Technology and CAL U's Bachelor of Science in Education with certification in Technology Education. A secondary purpose is to provide faculty and administration of both institutions with more precise guidelines for advising students interested in pursuing a Bachelor of Science in Education with certification in Technology Education.

Exhibit A, consisting of eleven (11) pages, attached hereto and incorporated herein, outlines the courses that will be accepted from CAL U. Exhibit B, consisting of twenty-two pages (22), attached hereto and incorporated herein, outlines the courses necessary for the Bachelor of Science in Education Degree with Certification in Technology Education from CAL U.

II. MUTUAL TERMS AND CONDITIONS

- A. Term of the Agreement. This Agreement shall be in effect for five (5) years from the date of signature and will be reviewed annually for accuracy.
- B. Termination of the Agreement. CCAC and CAL U may terminate this Agreement for any reason or no reason with ninety (90) days written notice from either party. Either party may terminate this Agreement in the event of a substantial breach. However, should either party terminate this Agreement, all students enrolled at that time may continue their educational experience until it would have been concluded absent the termination.
- C. Non-discrimination. The parties agree to continue their respective policies of non-discrimination based on Title VI of the Civil Rights Act of 1964 in regard to sex, age, race, color, creed, national origin, Title IX of the Education Amendments of 1972 and other applicable laws, as well as the provisions of the Americans with Disabilities Act.

- **D. Interpretation of the Agreement.** The laws of the Commonwealth of Pennsylvania shall govern this Agreement.
- E. Modification of Agreement. This Agreement shall only be modified in writing with the same formality as the original Agreement.
- F. Relationship of Parties. The relationship between the parties to this Agreement to each other is that of independent contractors. The relationship of the parties to this contract to each other shall not be construed to constitute a partnership, joint venture or any other relationship, other than that of independent contractors.
- G. Liability. Neither of the parties shall assume any liabilities to each other. As to liability to each other or death to persons, or damages to property, the parties do not waive any defense as a result of entering into this contract. This provision shall not be construed to limit the Commonwealth's rights, claims or defenses which arise as a matter of law pursuant to any provisions of this contract. This provision shall not be construed to limit the sovereign immunity of CCAC or that of the Commonwealth, or the State System of Higher Education, or CAL U.
- H. Entire Agreement. This Agreement represents the entire understanding between the parties. No other prior or contemporaneous oral or written understandings or promises exist in regards to this relationship. Any changes, corrections or additions to this contract shall be in writing in the form of a supplemental agreement signed by all necessary parties and setting forth therein the proposed change, correction, or addition.

IN WITNESS WHEREOF, the authorized representatives of the parties have executed this Agreement as of the date previously indicated.

Community College of Allegheny County

Dr. Michael Murphy

Interim President

Community College of Allegheny County

California University of Pennsylvania

Dr. Sean C. Madden, Provost and Vice President for Academic Affairs

California University of Pennsylvania

Approved as to form and legality:

Iniversity Legal Counsel

OF CONTRACT
MAR 1 9 2008

ATTACHMENT A

First Semester EDD 101 Engineering Drawing I 3 EDD 120 Intro to CAD 4 EGR 100 Engineering Seminar 1 PHY 113 Technical Physics 1 3 MAT 114 Math for Technologies 1 4 Second Semester EDD 102 Engineering Drawing 2 3 EDD 121 CAD Applications 4 MAT 116 Math for Technologies 2 4 MAT 115 Architectural Sys Design 3 Soc Sci Elect: PSY 101 Int to Psych 3 EDD 230 Architectural Drafting 4 ENG 101 English Composition 1 3 MET 150 Statics 4 Fourth Semester EDD 245 Adv Engineering Draw 4 ENG 103 Technical Communications 3 ITE 110 Technical Drawing 1 3 ITE 110 Technical Drawing 1 3 ITE 215 CAD 1 UNI 100 First Year Seminar 1 PHY 121 General Physics 1 3 College Algebra 4 WAT 121 General Physics 1 3 ITE 162 Industrial Tech Elective 4 MAT 191 College Trig 4 Technical Elective 3 PSY 100 General Psychology 3 Technical Elective 4 ENG 101 English Composition 1 3 Technical Elective 4 ENG 101 English Composition 1 3 Technical Elective 4 ENG 217 Science & Tech Writing 3	Architectural Drafing & Design	Cr	Cal U	
EDD 101 Engineering Drawing ! 3 EDD 120 Intro to CAD 4 EGR 100 Engineering Seminar 1 PHY 113 Technical Physics 1 3 MAT 114 Math for Technologies 1 4 Second Semester EDD 102 Engineering Drawing 2 3 EDD 121 CAD Applications 4 MAT 116 Math for Technologies 2 4 MAT 115 Architectural Sys Design 3 Soc Sci Elect: PSY 101 Int to Psych 3 EDD 141 Structural Drafting 4 ENG 101 English Composition 1 3 MET 150 Statics 4 Fourth Semester EDD 245 Adv Engineering Draw 4 ENG 103 Technical Communications 3 MET 211 Strength of Materials 4 ITE 110 Technical Drawing 1 4 ITE 215 CAD 1 UNI 100 First Year Seminar 1 PHY 121 General Physics I 3 ITE 162 Industrial Tech Elective 4 MAT 191 College Trig 4 Technical Elective 3 PSY 100 General Psychology 3 Technical Elective 3 Technical Elective 4 ENG 101 English Composition 1 3 Technical Elective 4 ENG 103 Technical Communications 3 MET 211 Strength of Materials 4 ITE 325 Statics & Strengths 4			Cal U Equivalent	Cr
EDD 120 Intro to CAD EGR 100 Engineering Seminar PHY 113 Technical Physics 1 Second Semester EDD 102 Engineering Drawing 2 EDD 121 CAD Applications MAT 116 Math for Technologies 2 MAT 115 Architectural Sys Design Soc Sci Elect: PSY 101 Int to Psych EDD 141 Structural Drafting EDD 230 Architectural Drafting ENG 101 English Composition 1 ENG 103 Technical Communications MET 150 Statics ITE 215 CAD 1 UNI 100 First Year Seminar 1 PHY 121 General Physics 1 3 College Algebra 4 MAT 121 General Physics 1 3 Technical Elective 3 ITE 162 Industrial Tech Elective 4 MAT 191 College Trig 4 Technical Elective 3 PSY 100 General Psychology 3 Technical Elective 3 Technical Elective 4 ENG 101 English Composition 1 3 Technical Elective 4 ENG 103 Technical Elective 4 ENG 217 Science & Tech Writing 3 ITE 325 Statics & Strengths	First Semester	T		
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PHY 113 Technical Physics 1 MAT 114 Math for Technologies 1 Second Semester EDD 102 Engineering Drawing 2 EDD 121 CAD Applications MAT 116 Math for Technologies 2 MET 115 Architectural Sys Design Soc Sci Elect: PSY 101 Int to Psych Technical Elective MAT 191 College Trig Technical Elective MAT 191 College Trig Technical Elective Technical Elective PSY 100 General Psychology Third Semester CET 201 Materials of Construction EDD 230 Architectural Drafting EDD 230 Architectural Drafting ENG 101 English Composition 1 MET 150 Statics Technical Elective Technical Elective ENG 101 English Composition 1 Technical Elective Technical Elective Technical Elective ENG 101 English Composition 1 Technical Elective Technical Elective Technical Elective ENG 103 Technical Elective Technical Elective Technical Elective Technical Elective Technical Elective Technical Elective A Technical Elective Technical Elective	EDD 120 intro to CAD	4	ITE 215 CAD 1	4
Second Semester EDD 102 Engineering Drawing 2 3 EDD 121 CAD Applications 4 MAT 116 Math for Technologies 2 4 MAT 116 Math for Technologies 2 4 MET 115 Architectural Sys Design 3 Soc Sci Elect: PSY 101 Int to Psych 3 EDD 141 Structural Drafting 3 EDD 230 Architectural Drafting 4 ENG 101 English Composition 1 3 MET 150 Statics 4 Fourth Semester CET 201 Materials of Construction 3 EDD 245 Adv Engineering Draw 4 ENG 103 Technical Communications 3 MET 211 Strength of Materials 4 ITE 325 Statics & Strengths 4	EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1
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MET 115 Architectural Sys Design 3 Soc Sci Elect: PSY 101 Int to Psych 3 Third Semester CET 201 Materials of Construction 3 EDD 141 Structural Drafting 3 EDD 230 Architectural Drafting 4 ENG 101 English Composition 1 3 MET 150 Statics 4 Technical Elective 3 Technical Elective 3 Technical Elective 4 ENG 101 English Composition 1 3 Technical Elective 4 ENG 101 English Composition 1 3 Technical Elective 4 ENG 103 Technical Elective 4 ENG 103 Technical Elective 4 ENG 103 Technical Communications 3 MET 211 Strength of Materials 4 ITE 325 Statics & Strengths	EDD 121 CAD Applications	4	ITE 162 Industrial Tech Elective	4
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CET 201 Materials of Construction 3 EDD 141 Structural Drafting 3 EDD 230 Architectural Drafting 4 ENG 101 English Composition 1 3 MET 150 Statics 4 ENG 103 Technical Elective 4 ENG 104 English Composition 1 3 Technical Elective 4 ENG 105 Elective 4 ENG 106 Elective 4 ENG 107 Elective 4 ENG 108 Elective 4 ENG 108 Elective 4 ENG 108 Technical Elective 4 ENG 217 Science & Tech Writing 3 ENG 217 Strength of Materials 4 ENG 217 Statics & Strengths 4	Soc Sci Elect: PSY 101 Int to Psych	3	PSY 100 General Psychology	3
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Fourth Semester EDD 245 Adv Engineering Draw 4 Technical Elective 4 ENG 103 Technical Communications 3 ENG 217 Science & Tech Writing 3 MET 211 Strength of Materials 4 ITE 325 Statics & Strengths 4	ENG 101 English Composition 1	3	ENG 101 English Composition I	3
DD 245 Adv Engineering Draw 4 ENG 103 Technical Communications 3 MET 211 Strength of Materials 4 ITE 325 Statics & Strengths 4	MET 150 Statics	4	Technical Elective	4
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MET 211 Strength of Materials 4 ITE 325 Statics & Strengths 4	EDD 245 Adv Engineering Draw		Technical Elective	4
	/	3	ENG 217 Science & Tech Writing	3
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	lumanties - Literature requirement	3	HLC 162 Humanities Elective	3

Application at Cal U for	
Technology Ed	Cı
use for TED 105	3
Technical Elective	4
use for First Year Seminar	1
use for Natural Science	3
use for Math	4
Free Elective	3
Technical Elective	4
use for Major Requirement	4
use for Soc Sci	3
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use for Comm Skills	3
ub for Eng Comp II	3
echnical Elective	4
se for Lit requirement	3

Civil Engineering Technology	Cr	Cal U	
		Cal U Equivalent	Cr
First Semester			
EDD 101 Engineering Drawing 1	3	ITE 110 Technical Drawing I	3
EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1
EGR 110 Engineering Surveying	4	TLC 162 Technology Elective	4
MAT 114 Math for Technologies 1	4	MAT 181 College Algebra	4
Engineering Elective	3	Technology Elective	3
Second Semester	-		╁
EDD 120 Intro to CAD	4	ITE 215 CAD 1	14
PHY 141 Physics 1	4	PHY 121 General Physics	4
MAT 116 Math for Technologies 2	4	MAT 191 College Trig	4
Engineering Elective	3	Technology Elective	3
Engineering Elective	3	Technology Elective	3
Third Semester			
ENG 101 English Comp 1	3	ENG 101 English Comp I	3
CET 202 Soils in Construction	4	ELC 162 Free Elective	4
MET 150 Statics	4	TLC 162 Technology Elective	4
PHY 142 Physics 2	4	PHY 122 General Physics 2	4
Soc Sci Elect: PSY 101 Int to Psych	3	PSY 100 General Psychology	3
Fourth Semester			H
CET 201 Mats of Construction OR	3	ELC 162 Free Elective OR	3
CET 205 Bldg Constr & Steel Des	3	ELC 162 Free Elective	3
ENG 102 English Comp 2	3	ENG 102 English Comp II	3
MET 211 Strength of Materials	4	ITE 325 Statics & Strength	4
Humanities	3	HLC 162 Humanities Elective	3
Engineering Electives	3	Technology Elective	3
	67		67

Application at Cal U for	T
Technology Ed	Cr
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use for TED 105	3
use for First Year Seminar	1
Technical Elective	4
use for Math	4
Technical Elective	4
use for Natural Science	4
use for Major requirement	4
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use for Comm Skills	3
use for Free Elective	4
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use for Natural Science	4
use for Soc Sci	3
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use for Comm Skills	3
Technical Elective	4
use for Humanities	3
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Computer-Aided Drafting	Cr	Cal U	\perp
& Design Technology	T	Cal U Equivalent	Cr
First Semester	1.		T
EDD 101 Engineering Drawing 1	3	ITE 110 Technical Drawing 1	3
EDD 120 Intro to CAD	4	ITE 215 CAD I	4
EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1
ENG 101 English Comp 1	3	ENG 101 English Comp 1	3
MAT 114 Math for Technologies 1	4	MAT 181 College Algebra	4
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Second Semester	 _	UTE 040 T. L. L. L. D. L. L. D. L. L. D. L. L. L. D. L. L. L. D. L.	+-
EDD 102 Engineering Drawing 2	3	ITE 210 Technical Drawing 2	3
EDD 121 CAD Applications	4	ITE 162 Indust Tech Elective	4
ENG 103 Technical Commun	3	ENG 217 Science & Tech Writing	3
MAT 116 Math for Technologies 2	4	MAT 191 College Trig	4
SET 105 Technical Computing	3	CSC 120 Prob Solv/Prg Const	3
Third Semester	├		╁
EDD 130 Solid Modeling Techn	3	ITE 162 Indus Tech Elective	3
EDD 222 Customizing the CAD env	3	TLC 162 Technology Elective	3
EDD Adv Drafting Elective	3	TLC 162 Technology Elective	3
PHY 113 Technical Physics 1	3	PHY 121 General Physics I	3
EDD 135 Intro to Parmetric Mod 1	3	TLC 162 Technology Elective	3
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ourth Semester	L		1
DD 221 Parmetric Mod 2	3	ITE 215 CAD I	3
lumanities - Literature Course	3	HLC 162 Humanities Elective	3
Social Science - take PSY 101 Intro t	3	PSY 100 General Psychology	3
echnical Elective	3	Technical Elective	3
echnical Elective	3	Technical Elective	3
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Application at Cal U for	
Technology Ed	C
use for TED 105	3 4
Technical Elective	
use for First Year Seminar	1
use for Commm Skills	3
use for Math	4
Technical Elective	3
sub for ENG 102	3
use for Major requirement	4
Free Elective	3
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use for Natural Science	3
Technical Elective	3
Technical Elective use for Lit requirement	3
ise for Soc Sci	3
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Manufacturing Technology	Cr	Cal U	T	Application at Cal U for	T
Controls	T	Cal U Equivalent	Cr	Technology Ed	Cr
First Semester			1		
EET 103 Intro to Electronics	3	ITE 130 Intro Circuit Analysis	3	Technical Elective	3
MAT 114 Math for the Techno 1	4	MAT 181 College Algebra	4	use for Math	4
SET 105 Technical Computing	3	TLC 164 Technology Elective	3	Technical Elective	3
EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1	use for First Year Seminar	1
EDD 101 Engineering Drawing 1	3	ITE 110 Technical Drawing I	3	use for TED 105	3
ENG 101 English Comp I	3	ENG 101 English Comp I	3	use for Comm Skills	3
Second Semester					
EDD 120 Intro to CAD	4	ITE 215 CAD I	4	Technical Elective	4
MAT 116 Math for the Techno 2	4	MAT 191 College Trig	4	use for Major requirement	4
MET 112 Engineering Materials	4	PHS 135 Chem of Materials	4	use for Natural Science	4
ENG 103 Technical Communic	3	ENG 217 Science & Tech Writing	3	sub for Comp II	3
MIT 107 Electronic Fabrication	3	TLC 164 Technology Elective Lab	3		
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Third Semester	$oxed{\Box}$				
MET 200 Metrology	3	TLC 162 Technology Elective	3		
MET 106 Geometrtic Dimen & Toler		ELC 162 Free Elective	1		
PHY 113 Technical Physics 1		PHY 121 General Physics i	3	use for Natural Science	3
MIT 103 Fund of Microprocessors	3	ELC 162 Free Elective	3	Free Elective	3
RBT 235 Programmable Logic Cont	4	ITE 267 Program Control Systems	4	·	
Fourth Semester					
MET 212 Manufact Processes		TLC 162 Technology Elective	3		
RBT 225 Robotic Controls		TLC 162 Technology Elective	4	sub for ITE 250	4
EDD 135 Intro to Parametric Mod	3	TLC 162 Technology Elective	3		
Humanities - Literature		HLC 162 Humanities Elective	3	use for Lit requirement	3
Social Science - PSY 101 Intro to Ps		PSY 100 General Psychology	3	use for Soc Sci	3
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Manufacturing Technology	Cr	Cal U	
Machining		Cal U Equivalent	Cr
First Semester	T_{-}		\Box
EET 103 Intro to Electronics	3	ITE 130 Intro Circuit Analysis	3
MAT 114 Math for the Techno 1	4	MAT 181 College Algebra	4
SET 105 Technical Computing	3	CSC 120 Prob Solv/Prog Cons	3
MFT 141 Intro to Machining	3	ITE 165 Maching Processing I	3
EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1
ENG 101 English Comp I	3	ENG 101 English Comp !	3
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Second Semester	Ī		
EDD 120 Intro to CAD	4	ITE 215 CAD I	4
MAT 116 Math for the Techno 2	4	MAT 191 College Trig	4
EDD 101 Engineering Drawing 1	3	ITE 110 Technical Drawing I	3
MFT 143 Intro to Lathe	3	TLC 162 Technical Elective	3
Third Semester			
MET 200 Metrology	3	TLC 162 Technology Elective	3
MET 106 Geometrtic Dimen & Toler	1	ELC 162 Free Elective	1
PHY 113 Technical Physics 1	3	PHY 121 General Physics I	3
MFT 145 Intro to Milling	3	TLC 162 Technology Elective	3
MFT 147 Intro to Grinding	3	TLC 162 Technology Elective	3
Social Science - take PSY 101 Intro to	3	PSY 100 General Psychology	3
Fourth Semester			
MFT 149 Intro to CNC	3	ITE 236 Numerical Controls	3
MET 112 Engineering Materials	4	PHS 135 Chemical of Materials	4
EDD 135 Intro to Parametric Mod	3	TLC 162 Technology Elective	3
Humanities - Literature course	3	HLC Humanities Elective	3
ENG 103 Technical Communications	3	ENG 217 Sci and Tech Writing	3
	63		63

Application at Cal U for	_
Technology Ed	Cı
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Technical Elective	3 4 3 3
use for Math	4
Free Elective	3
Technical Elective	3
use for First Year Seminar	
use for Comm Skills	3
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Technical Elective	3
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use for Lit requirement sub for ENG 102	3
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Manufacturing Technology	Cr	Cal U	
Nanofabrication		Cal U Equivalent	Cr
First Semester			
EET 103 Intro to Electronics	3	ITE 130 Intro Circuit Analysis	3
EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1
ENG 101 English Comp I	3	ENG 101 English Comp I	3
MAT 114 Math for the Techno 1	4	MAT 181 College Algebra	4
SET 105 Technical Computing	3	CSC 120 Prob Solv/Prog Cons	3
Second Semester			
CHM 109 Intro to Chemistry	4	CHE 100 Intro to Chemistry	4
ENG 103 Technical Commun	3	ENG 217 Science & Tech Writing	3
MAT 116 Math for the Techno 2	4	MAT 191 College Trig	4
MIT 107 Electronic Fabrication	3	TLC 164 Technology Elective	3
PHY 113 Technical Physics 1	3	PHY 121 General Physics	3
Third Semester			
MET 106 Geometrtic Dimen & Toler	1	ELC 162 Free Elective	1
MET 112 Engineering Materials	4	PHS 135 Chem of Materials	4
MET 200 Metrology	3	TLC 162 Technology Elective	3
PHY 114 Technical Physics 2	3	PHY 121 General Physics II	3
Social Science - take PSY 101 Intro 1	3	PSY 100 General Psychology	3
Fourth Semester			
MFT 211 Material Safety & Equip	3	NMT 311Mat, Safety & Equip in NM	
MFT 212 Basic Nanofabric Proc	3	NMT 312 Basic NMT Process	3
MFT 213 Thin Films in Nanofabric	3	NMT 313 Thin Films in NMT	3
MFT 214 Lithography for Nanofabric	3	NMT 314 Adv Lith & Dielectrics	3
MFT 215 Material Modification	3	NMT 315 Materials Modific in NMT	3
MFT 216 Characterization & Packagi	3	NMT 316 Charac Packg Test NMT	3
	63		63

Application at Cal U for	
Technology Ed	Cr
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Technical Elective	3
use for First Year Seminar	1 3 4
use for Comm Skills	3
use for Math	
Free Elective	3
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Sub ENG 217 for Comp 2	3
use for Major requirement	4
Natural Science	3
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Natural Science	4
use for Soc Sci	3
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Manufacturing Technology	Cr	Cal U		
Welding	T	Cal U Equivalent	Cr	Γ
First Semester	T			Γ
EET 103 Intro to Electronics	3	ITE 130 Intro Circuit Analysis	3	Ī
MAT 114 Math for the Techno 1	4	MAT 181 College Algebra	4	U
SET 105 Technical Computing	3	CSC 120 Prob Solv/Prg Const	3	Γ
EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1	us
WLD 101 Welding Fundamentals	3	Free Elective	3	U. Fi
ENG 101 English Comp I	3	ENG 101 English Comp I	3	us
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Second Semester			\Box	Г
EDD 120 Intro to CAD	4	ITE 215 CAD I	4	us
MAT 116 Math for the Techno 2	4	MAT 191 College Trig	14	us
EDD 101 Engineering Drawing 1	3	ITE 110 Technical Drawing I	3	Te
WLD 102 Advanced Welding	3	ELC 162 Free Elective	3	
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Third Semester				Γ
MET 200 Metrology	3	TLC 162 Technology Elective	3	Te
MET 106 Geometrtic Dimen & Toler	1	ELC 162 Free Elective	1	Г
PHY 113 Technical Physics 1	3	PHY 121 General Physics I	3	us
MET 112 Engineering Materials	4	PHS 135 Chem of Materials	14	us
WLD 201 Prep for Welding Cert	3	ELC 162 Free Elective	3	Г
Social Science - Intro to Psychology	3	PSY 100 General Psychology	3	us
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Fourth Semester			TT	
WLD 202 MIG & TIG		ELC 162 Free Elective	3	
MIT 212 Engineering Materials	4	TLC 162 Technology Elective	4	
EDD 135 Intro to Parametric Mod	3	TLC 162 Technology Elective	3	
Humanities - Literature	3	HLC 162 Humanities Elective	3	use
ENG 103 Technical Communications	3	ENG 217 Sci & Tech Writing	3	sul
	64		64	

Application at Cal U for	
Technology Ed	Cr
Technical Elective	3
use for Math	4
use for First Year Seminar	1
Free Elective	3
use for Comm Skills	3
use for TED 105	4
use for Major requirement	4
Technical Elective	3
Technical Elective	3
use for Natural Science	3
use for Natural Science	4
use for Soc Sci	3
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use for Lit requirement	3
sub for Eng Comp II	3
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OOAO			
Mechanical Drafting	Cr	Cal U	
and Design Technology		Cal U Equivalent	Cı
First Semester			
EDD 101 Engineering Drawing I	3	ITE 110 Technical Drawing 1	3
EDD 120 Introduction to CAD	4	ITE 215 CAD 1	4
EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1
MAT 114 Math for Technologies 1	4	MAT 181 College Algebra	4
SET 105 Technical Computing	3	CSC 120 Prob Solv/Prg Const	3
PHY 113 Technical Physics 1	3	PHY 121 General Physics I	3
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Second Semester			T
EDD 102 Engineering Drawing 2	3	ITE 210 Technical Drawing 2	3
EDD 121 CAD Applications	4	ITE 162 Industrial Tech Elective	4
EDD 135 Intro to Parametric Modl	3	TLC 162 Technical Elective	3
MAT 116 Math for Technologies 2	4	MAT 191 College Trig	4.
MET 112 Engineering Materials	4	PHS 135 Chemisty of Materials	4
	1		
Third Semester			
EDD 240 Mechanical Drafting	4	ITE 162 Industrial Tech Elective	4
ENG 101 English Comp 1	3	ENG 101 English Comp 1	3
MET 106 Geometric Dimens/Toler	1	ELC 162 Free Elective	1
MET 150 Statics	4	TLC 162 Statics & Strength	4
Social Science - take PSY 101 Intro t	3	PSY 100 General Psychology	3
ourth Semester			
DD 245 Adv Engineering Draw	4	TLC 162 Technical Elective	4
ENG 103 Technical Communications	3	ENG 217 Science & Tech Writing	3
MET 211 Strength of Materials	4	ITE 325 Statics & Strengths	4
PHY 114 Technical Physics 2	3	Technical Elective	3
lumanties - Literature	3	HLC 162 Humanities Elective	3
	68	~	68

Application at Cal U for	L
Technology Ed	Cı
use for TED 105	3
Technical Elective	4
use for First Year Seminar	1
use for Math	4
Free Elective	3
use for Natural Science	3
use for Major requirement	4
use for Natural Science	4
use for Comm Skills	3
Technical Elective	4
use for Soc Sci	3
•	
sub for Comp II	3
Fechnical Elective	4
iterature requirement	3
	46

Microcomputer Electronics	Cr	7	Cal U	
Technology		٦	Cal U Equivalent	Cr
First Semester		7		
EET 103 Intro to Electronics	3	7	ITE 130 Intro Circuit Analysis	3
EGR 100 Engineering Seminar	1	7	UNI 100 First Year Seminar	1
ENG 101 English Comp I	3	1	ENG 101 English Comp I	3
MAT 114 Math for the Techno 1	4]	MAT 181 College Algebra	4
PHY 113 Technical Physics 1	3		PHY 121 General Physics 1	3
SET 105 Technical Computing	3	1	CSC 120 Probl Solv/Prog Const	3
]	·	
Second Semester		1		
MAT 116 Math for the Techno 2	4	11	MAT 191 College Trig	4
MIT 103 Fundamentals of Microproc		11	EET 270 Intro Microprocess Design	3
MIT 110 Electrical Engineering Circu	4		EET 110 DC Circuits	4
MIT 208 Digital Electronics	3	H	EET 170 Digital Electr Des	3
PHY 114 Technical Physics 2	3	1	PHY 122 General Physics 2	3
		\prod		
Third Semester		1		
EET 201 Electronics 1	4		EET 210 Linear Electronics I	4
MIT 201 Microcomuter Technology 1	4		CSC 162 Computer Transfer Cours	4
MIT 210 Electrical Engineering Circu	4	I	EET 160 AC Circuits	4
Social Science - take PSY 101 Intro	3		PSY 100 General Psychology	3
Fourth Semester	.]			
ENG 106 Report Writing	3	ĺ	ENG 162 English Elective	3
MIT 202 Microcomputer Tech 2	4		TLC 162 Technology Elective	4
Technical Elective	3	ſ	Technical Elective	3
Technical Elective	3		Technical Elective	3
lumanities - Literature	3	F	HLC 162 Humanities Elective	3
	65			65

Application at Cal U for	\prod
Technology Ed	Cr
	\top
	\top
use for First Year Seminar	1
use for Comm Skills	3
use for Math	4
Natural Science	3
Free Elective	3
use for Major requirement	4
use for Natural Science	3
· · · · · · · · · · · · · · · · · · ·	
use for Soc Sci	3
sub for Comp II	3
Technical Elective	3
Technical Elective	3 3
use for Lit requirement	3
	36

Robotics and Automated	Cr	Cal U	
Systems Technology		Cal U Equivalent	Cr
First Semester			
EET 103 Introduction to Electronics	3	ITE 130 Intro Circuit Analysis	3
EGR 100 Engineering Seminar	1	UNI 100 First Year Seminar	1
ENG 101 English Composition 1	3	ENG 101 English Comp I	3
MAT 114 Mathematics for Techn 1	4	MAT 181 College Algebra	4
PHY 113 Technical Physics 1	3	PHY 121 General Physics I	3
SET 105 Technical Computing	3	CSC 120 Prob Solv/Prog Cons	3
Second Semester			
MAT 116 Mathematics for Techn 2	4	MAT 191 College Trig	4
MET 112 Engineering Materials	4	PHS 135 Chem of Materials	4
MIT 208 Digital Electronics	3	EET 170 Digital Electr Design	3
PHY 114 Technical Physics 2	3	PHY 122 General Physics II	3
RBT 225 Robotics Control Systems	4	TLC 162 Technology Elective	4
Third Semester			
MET 170 Fluid Power Systems	4	TLC 162 Technology Elective	4
MIT 103 Fundamentals of Microproce	3	EET 270 Intro Microprocess Des	3
RBT 235 Programmable Logic Contr	4	ITE 267 Prog Control Systems	4
Technical Elective	3	Technical Elective	3
Social Science - take PSY 101 Intro 1	3	PSY 100 General Psychology	3
Fourth Semester			
ENG 106 Report Writing	3	ENG 162 English Transfer Course	3
RBT 230 Automated Equipment	3	TLC 162 Technology Elective	3
Humanities - Literature	3	HLC 162 Humanities Elective	3
Technical Elective	3	Technology Elective	3
Technical Elective	3	Technology Elective	3
	67		67

Application at Cal U for	T
Technology Ed	Cr
1 contrology 2a	+
Technical Elective	3
use for First Year Seminar	1
use for Comm Skills	3
use for Math	3
use for Natural Science	3
Free Elective	3
use for Major requirement	4
use for Natural Science	3
Technical Elective	4
Technical Elective	4
use for Soc Sci	3
sub English Comp 2	3
use for Lit requirement	3
	41

Science and Engineering	Cr
Technology	
First Semester	
CHM 109 Intro to Chemistry	4
EGR 100 Engineering Seminar	1
ENG 101 English Comp I	3
MAT 114 Math for the Techn 1	4
SET 105 Technical Computing	3
Second Semester	
EDD 101 Engeering Drawing 1	3
EET 103 Intro to Electronics	3
MAT 116 Mathem for Techn 2	4
ENG 102 English Composition 2	3
OR ENG 106 Report Writing	
Humanities	3
Third Semester	
EDD 120 Intro to CAD	4
MET 112 Engineering Materials	4
MIT 208 Digital Electronics	3
PHY 113 Technical Physics 1	3
Soc Sci: PSY 101 Int to Psych	3
Fourth Semester	
MAT 241 Technical Calculus 1	3
MIT 240 Scientific & Indust Instrume	3
PHY 114 Technical Physics 2	3 3 3
SET 110 Project Fabrication	3
Technical Elective	
	63

Cal U	
Cal U Equivalent	C
OUT 400 Intro to Observator	+
CHE 100 Intro to Chemistry	4
UNI First Year Seminar	1
ENG 101 English Comp I	3
MAT 181 College Algebra	4
CSC 120 Prob Slv/Prog Constr	3
	+-
ITE 110 Technical Drawing i	3
ITE 130 Intro Circuit Analysis	3
MAT 191 College Trig	4
ENG 102 English Composition 2	3
OR ENG 162 English Elective	7
HLC 162 Humanities Elective	3
·	
ITE 215 CAD I	4
TED 226 Applic & Process Mater	4
EET 235 Digital Electr Design	3
PHY 121 General Physics	3
PSY 100 General Psychology	3
MAT 281 Calculus I	3
EET 325 Intro Electric Power	3
	片
PHY 122 General Physics 2	3
TLC 162 Technical Elective	3
Technical Elective	
	63

Application at Cal U for	
Technology Ed	Ci
use for Natural Science	4
use for First Year Seminar	1
use for Comm Skills	3
use for Math	3
Free Elective	3
•	
use for TED 105	3
Technical Elective	3
use for Major requirement	4
use for Comm Skills	3
sub for ENG 102_	
use for Humanities	3
Technical Elective	4
use for TED 226	4
·	
use for Natural Science	3
use for Soc Sci	3
Technical Elective	3
	48



Arch Draft & Design to Technology Education - Bachelor of Science in Education (120 credits)

ame			_ Entr	у:		ID:	
⊏mail	:		_ Phon	e:			
			_		400.0		
	AL EDUCATION (50-51 Credits):	Crs	Grade		(39 Credits)		Crs Grade
	a Sense of Community - 1 credit				Courses:	•	A 000 286 000 milete .
EGR 100	0 Engineering Seminar	_ 1	CCAC	ITE 250			3 Cal U
1 T	Pt 1-4-1 Ot-111 O			MAT 116	<u>-</u>		4 CCAC
	Thinking Skills - 3 credits	_	san shahara	EDD 101			3 CCAC
TED 426	Manufacturing Enterprise*	_ 3	Cal U	TED 111	-		3 Cal U
	-ition Olilla Consulta			TED 126	•		3 Cal U
	nication Skills - 6 credits	_	ngan banyan dan	TED 226			3 Cal U
ENG 101		_ 3	CCAC	TED 304		y gy	3 Cal U
ENG 103	Technical Communications	3	CCAC	TED 335			3 Cal U
Dublic C	naking 2 andida			TED 346	•		3 Cal U
Public 5	peaking - 3 credits	•	(Assistic	TED 436	Engineering Design & Developm	ient ·	3 Cal U
	- 	3	CalU	Toohnioo!/	Technological Electives - 9 credi	ite.	
Réathoma	<u>itics</u> - 3 credits			EDD 120			4 CCAC
	Math for Technologies 1		CCAG		CAD Applications		4 CCAC
191/41 1 14	Matti for Technologies T	- "	CCAC		Strength of Materials		4 CCAC
Alatural C	ciences - 7-8 credits**			IVIE I Z I I	Strength of Materials		4 CCAC
PHY 113		•	CCAC	EL ECTIV	E (3 Credits)		
PHIIIS	SCIENCE	- 3-4					3 CCAC
	SCIENCE	_ 3-4	CalU	EDD 102	Engineering Drawing 2		3 CCAC
Social Sa	iences - 6 credits			4			
		_	~~~		Technical/Technological Elective		
PSY 101 PSY 208		_ `	CCAC		42, 241, 242, THE 141, CSC 120		and the second second because
F31 200	Educational Asychology	_	Cal U		ET, GCT, GET, ITE, MMT or TED		ady required by
He nitio	es 3 credits	•		the major, o	r any other courses approved by the	IS SUAISOI	
130 100 100	Humanities - Literature	3	CCAC	*Peruired s	courses that must be completed.		
	Translatities - Etterature	– "	COAC	reduied	Juli 303 tilat illust be completed.		
Fine Arts	- 3 credits			**Moturel Ca	cience: Complete one 4-credit LAE	and one I AB (or SCIENCE
THE AILS		3	04110		: BIO 115, BIO 206, CHE 101, PH)
	~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	_ `	CalU		3 crs) EAS 163, ENS 101, PHS 12		
Medicultu	ıral Awareness - 3 credits		•	SCIENCE (3 (IS) EAS 103, ENS 101, FRS 12	U, PNS 137	
EDU 310		•	Carrier .		to Teacher Education - must be a	Second at 40	CE gradita
EDU 310	reaching in a Multicultural Society	_ 3	Cal U	2.80 GPA ov		ipproved at 46 -	OD CIEUIIS
/alues -	3 credite						•
TED 210		2	62146	_	rades in 6 credits of math	Tambah litaatuwa	*
TEDZIO	Design a Appropriate recimology	_ 3	Cal U	_	rades in 6 credits of composition/E	ngiish liteature	•
achnolog	gical Literacy - 6 credits			_	rade in TED 100		
	Energy & Control Systems *	3	Cal U	Speech and			
TED 316	Structural Design *				ct 34, Act 114 and Act 151 clearan	ces	
120010	Ottotulai Design	_	Cal U	Pass Praxis	exams in Reading, Writing, Math		
ealth & V	<u>Vellness</u> - 3 credits			Dacommon	lation for Student Teaching - rec	uired 1 semest	er orior
HPE 314	First Aid & Personal Safety *	3	Cal U	The second of the second of	the control of the co	lanea i seniesu	ei buoi
111 - 014	Tilst Aid & Felsonal Galety	_ 3 :	Cal.U		or Fall, Nov. 1 for Spring	of atudost tooch	ina\
Iriting Co	omponent Courses - 2 courses	•			erall (at time of application & start	or student teach	iirig/
ED 450 and	d TED 451 listed below in the Professional P	reneral	ion	_	rade in each TED course		
	signated Upper-Division Writing Component			TB test	I TED over and Evademental Su	hioeta overe	
ton ale de	orange opportunition and the component	Course			I TED exam and Fundamental Su		na
ROFESSI	IONAL PREPARATION (28 Credits)				4, 114 & 151 clearances, valid thre	a student teacht	ng .
EDU 340	Mainstreaming Exceptional Learners	9 7	earn.	a i million liat	oility insurance policy		
TED 100	Introduction to Technology Education	-	Cal U	EVTDA ČOLI	Defe		
TED 300	Assessment & Instruction in TED		Cal U	EXTRA COU		•	1 CCAC
TED 450		2.	Cal U	ELC 162	Free Electives	2	. I COAC
TED 450	Teach Technology in Secondary Sch	. =	CalU				
TED 451	Teach Technology in Elementary Sch		Cal U				
IEL I	Technology Education Student Teach	10 ੂ	Cal U			•	

Bachelor of Science in Education Degree (123 credits)

Eight Semester Course Sequence

FRESHMAN	Semester 1

Prefix	Number	Course	Cr.
ENG	101	English Composition I	3
MAT		College Algebra	3
TED	105	Communicating Technical Designs	3
TED		Intro to Technology Education	3
TED	126	Engineer. Materials & Prod. Design	3
UNI	100	First Year Seminar	1
		Total	16

Semester 2

Prefix	Number	Course	Cr.
ENG	102	English Composition II	3
MAT	191	College Trigonometry	3
TED	111	Information Systems	3
TED	226	Apps. & Process Engineer. Mats.	3
TED	210	Design & Appropriate Technology	3
		, .	
		Total	15

Semester 3* SOPHOMORE

Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3
PSY	100	General Psychology	3
		General Education	9
			j
		·	1
		Tota	1 15

Semester 4**

Prefix	Number	Course	Cr.
EDU	310	Teaching In Multicultural Society	3
PSY	208	Educational Psychology	3
TED	300	Assessment & Instruction in TED	3
		General Education	7
		Total	16

^{*}Praxis exams should be taken during or immediately following the third semester.

JUNIOR		Semester 5	
Prefix	Number	Course	Cr.
EDU TED	340 302	Mainstreaming Exceptional Learn Energy & Control Systems	3 3
TED TED	316 335	Structural Design Transportation Systems	3
		Technical/Technological Elective	3
		Total	15

Semester 6

Prefix	Number	Course	Cr.
HPE	314	First Aid & Personal Safety	3
TED	304	Designs in Bio-Related Tech	3
TED	346	Digital Communications	3
		General Education	3
		Technical/Technological Elective	3
		Total	15

SENIOR

5	eı	n	0	SŹ	e/	7

Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3
TED	436	Engineering Design & Develop	3
TED	450	Teach. Tech-Secondary Sch	. з
TED	500	Teach. Tech-Elementary Sch	3
		Technical/Technological Elective	3
L	· ·	Total	15

Semester 8

Pr	efix	Number		Cr.
T	ED		Technology Education Stud Teach	10
T	ED	462	Prof Practices in Tech Ed	3
		• •		
			·	
		· · · · · · · · · · · · · · · · · · ·	Total	13

^{**}Students should apply for Admission to Teacher Education during the fourth semester.

Civil Engineering - Technology Education - Bachelor of Science in Education (120 credits)

Name	:		Entr	y:		ID.):	
Email:			Phone	∋:				
					/AA A			
	AL EDUCATION (50-51 Credits a Sense of Community - 1 credit		rs Grade		(39 Credits) Courses:		Crs	Grade
	Engineering Seminar		1 CCAC		Introduction to Automati	on	3 -	Cal U
		_		MAT116	Math for the Technologic	es 2	4	CCAC
Critical T	<u> Thinking Skills</u> - 3 credits			EDD 101			3	CCAC
TED 426	Manufacturing Enterprise*		3 Cal U	TED 111	Information Systems		3 🖔	Cal U
				TED 126	Engineering Materials &	Product Design	3 🖔	Cal U
Commun	nication Skills - 6 credits			TED 226	Apps.& Processing of E	ngineering Materials	3 🛚	Cal U
ENG 101			3 CCAC	TED 304	Designs in Bio-Related		3 🛚	Cal U
ENG 102	Composition II *	\equiv :	3 CCAC	TED 335	Transportation Systems		3 🛚	Cal U
		-		TED 346	Digital Communications			Cal U
Public Sp	<u>peaking</u> - 3 credits			TED 436	Engineering Design & De	evelopment	3]	Cal U
		:	3 Cal U					
		_			<u> echnological Electives - </u>	9 credits		
	<u>tics</u> - 3 credits			EGR 110	Engineering Surveying			CCAC
MAT 114	Math for the Technologies 1	_ 4	CCAC	EDD 120				CCAC
				MET 211	Strength of Materials		_ 4 _	CCAC
	ciences - 7-8 credits**							
PHY 141			CCAC		E (3 Credits)			•
PHY 142	Physics 2	_ 4	CCAC	CET 202	Soils in Construction		_ 4 _	CCAC
	iences - 6 credits				echnical/Technological			
PSY 101			CCAC		42, 241, 242, THE 141, C			
PSY 208	Educational Psychology*	3	Call		, GCT, GET, ITE, MMT or TEI		red by	
			,	the major, or	r any other courses approv	red by the advisor		
Humaniti	es - 3 credits		1152 122 3 322					
	Any Humanites Elective	_ 3	CCAC	*Required c	ourses that must be comp	pleted.		
Fine Arts	- 3 credits				nce: Complete one 4-credit L		ICE.	
		_ 3	Cal U		BIO 115, BIO 206, CHE 1			
				SCIENCE (3	3 crs) EAS 163, ENS 101,	PHS 120, PHS 137		
	<u>ıral Awareness</u> - 3 credits							
EDU 310	Teaching in a Multicultural Society *	_ 3	Cal U	**************************************	Teacher Education - must be	approved at 48 - 65 credit	is	
				2.80 GPA ov				
<u>Values</u> -					rades in 6 credits of math			
TED 210	Design & Appropriate Technology *	_ 3	Cal U		rades in 6 credits of comp	osition/English liteature	÷	
					rade in TED 100			
	pical Literacy - 6 credits		Jan San San	Speech and I	•			
	Energy & Control Systems *	_ 3	CalU		ct 34, Act 114 and Act 151			
TED 316	Structural Design *	_ 3	Cal U	Pass Praxis	exams in Reading, Writing	, Math		
	M-11			ALLONG SHOULD BE BOOK IN A 192	na i de primero primero del como de la compansa de proposición de la compansa de la compansa de la compansa de	No. 10 Table		
	<u>Vellness</u> - 3 credits	_	122,002,000	The second section is a second section of the second section of the second section is a second section of the section of	tion for Student Teaching - re	aquired 1 semester prior	•	•
HPE 314	First Aid & Personal Safety *	- 3	Cal U		r Fall, Nov. 1 for Spring			
\A/=:4: C-	mnonent Courses				erall (at time of application	& start of student lead	:hing)	
	omponent Courses - 2 courses TED 451 listed below in the Professional Prepa			•	ade in each TED course			
				TB test				
DIOCK are gesi	gnated Upper-Division Writing Component Cou	ırses.			TED exam and Fundam	•	nine	
DRUFEGG	IONAL PREPARATION /29 C	~\	•		4, 114 & 151 clearances,	vanu triru student teacr	າເເຊ	
	IONAL PREPARATION (28 Credits		904104	at million hap	oility insurance policy			
EDU 340 TED 100	Mainstreaming Exceptional Learners		Cal U	EVTDA COL	Beco			
TED 100	Introduction to Technology Education Assessment & Instruction in TED		Cal U	EXTRA COU			10 0	CAC
TED 300			Cal U	ELC 162	Free Electives		19 C	UNU
TED 450	Teach Technology in Secondary Sch		Cal U			*		
TED 451	Teach Technology in Elementary Sch		Cal U					
TED 461	Technology Education Student Teach Professional Practices in TED		Cal U			TED BS SP	07	
	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・		لا المن			التواقية الساسية		

Bachelor of Science in Education Degree (123 credits)

Eight Semester Course Sequence

FRESHMAN		//AN	Semester 1	Semester 2				
	Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
,	ENG	101	English Composition I	3	ENG	102	English Composition II	3
ĺ	MAT	181	College Algebra	3	MAT	191	College Trigonometry	3
	TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3
1	TED	100	Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3
ı	TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3
ı	UNI	100	First Year Seminar	1				
			Total	16	· · · · · ·	· · · · · · · · · · · · · · · · · · ·	Total	15

SOPHO	MORE	Semester 3*		-		Semester 4**	
Prefix	Number	Course	Cr.	Prefix	Number		Cr.
ITE PSY		Intro to Automation General Psychology General Education	3 3 9	PSY TED		Teaching In Multicultural Society Educational Psychology Assessment & Instruction in TED General Education	3 3 3 7
		Tot	al 15			Total	16

^{*}Praxis exams should be taken during or immediately following the third semester.

^{**}Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR		Semester 5				Semester 6	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
TED	316	Structural Design	3	TED	346	Digital Communications	3
TED	335	Transportation Systems	3			General Education	3
]]		Technical/Technological Elective	3			Technical/Technological Elective	3
1		•				1	}
<u> </u>		Total	15			Total	15

SENIOR		Semester 7				Semester 8	
Prefix	Number		Cr.	Prefix	Number		Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TED	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
TED	450	Teach. Tech-Secondary Sch	3				
TED	500	Teach. Tech-Elementary Sch	3) .			
1 1		Technical/Technological Elective	3				1
<u> </u>						·	
		Total	15	L		Total	13

CADD to Technology Education - Bachelor of Science in Education (120 credits)

Name:	•		Entry	:		ID:		
Email:			hone			_		7
GENER/	AL EDUCATION (50-51 Credits):	Cr	s Grad	MAJOR	(39 Credits)	C	rs	Grade
Building	a Sense of Community - 1 credit			Required	Courses:	•		
EGR 100	Engineering Seminar	_ 1	CCAC	ITE 250	Introduction to Automation		3 _	Cal U
				MAT 116	Math for Technologies 2		4 _	CCAC
Critical T	<u>hinking Skills</u> - 3 credits			EDD 101	Engineering Drawing 1	:	3 [CCAC
TED 426	Manufacturing Enterprise*	3	Call				3 [Cal U
		•		TED 126	Engineering Materials & Product Design		з 🛚	Cal U
Commun	ication Skills - 6 credits			TED 226	Apps.& Processing of Engineering Materials	;	3 -	Cal U
ENG 101	Composition I *	3	CCAC	FED 304	Designs in Bio-Related Technology	;	3 ~	Cal U
ENG 103	Technical Communications	• з	CCAC	TED 335	Transportation Systems	;	з =	Cal U
		•		TED 346	Digital Communications	:	3 -	Cal U
Public Sp	eaking - 3 credits			TED 435	Engineering Design & Development	:	3 ¯	Cal U
		3	Cal U				-	
		•		Technical/	Technological Electives - 9 credits			
Mathema	tics - 3 credits			EDD 120	intro to CAD	4	4	CCAC
MAT 114	Math for Technologies 1	4	CCAC	EDD 102	Engineering Drawing 2	:	3 -	CCAC
		•		EDD 221		;	3 -	CCAC
Natural S	ciences - 7-8 credits**			·			_	
PHY 113		3	CCAC	ELECTIV	/E (3 Credits)			
					Technical Computing	5	3	CCAC
		•			1001110011001100110		_	
Social Sci	iences - 6 credits			Approved 7	Technical/Technological Electives:			
PSY 101	Intro to Psychology	3	CCAC		42, 241, 242, THE 141, CSC 120 or above			
PSY 208	Educational Psychology*				T, GCT, GET, ITE, MMT or TED course not already i	remuire:	d	1
101200	Equational Teyonology	•			, or any other courses approved by the advisor	oquiro	_	
Humanitis	s - 3 credits			- y are major	, or any other common approved by the devices.			
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Humanities - Literature	3	CCAC	*Beauticed	courses that must be completed.			
	Transantes - Espirature	9	OUPIU	. resimmen	consecs that made be completed.			
Fina Arte	- 3 credits			wollnessen Sei	ence: Complete one 4-credit LAB & one LAB or SCIE	ENCE		
I IIIG PALLO	- o diedite	_			· ·			
		э.			: BIO 115, BIO 206, CHE 101, PHY 121 '3 crs) EAS 163, ENS 101, PHS 120, PHS 137			
1.0	ral Awareness - 3 credits			SCIEIACE (3 GIS) EAS 103, ENS 101, FNS 120, FNS 137			
EDU 310	Teaching in a Multicultural Society *	2	0-111	Adminator to	Teacher Education - must be approved at 48 - 65 o	andka		
ED0 310	reaching in a Mulucultural Society	Э.				11 GÁITB		
Values - :	2 oradite			2.80 GPA ov				
TED 210		2		•	redes in 6 credits of math			
TED ZIO	Design & Appropriate Technology *	۶.			rades in 6 credits of composition/English liteatur	re		
Technolog	ical Literacy - 6 credits	•			rade in TED 100			
		•		Speech and				
TED 302					ct 34, Act 114 and Act 151 clearances			
TED 316	Structural Design *	ء ح	Car U	rass Plaxis	exams in Reading, Writing, Math			
Haalth & W	/eliness - 3 credits			Bacammand	ction for Student Teaching - required 1 semester p	tion		
		•			<u> </u>	1101		
nre 314	Filst Aid & Pelsonal Salety	³ -			or Fall, Nov. 1 for Spring			
Writing Co	mponent Courses - 2 courses				rall (at time of application & start of student teaching)			
	ED 451 listed below in the Professional Preparati			_	rade in each TED course			
				TB test	II TED array and Francisco and Carlos areas			
HUCK MIE GESIG	nated Upper-Division Writing Component Course	5.			II TED exam and Fundamental Subjects exam			
	ONAL DREDADATION (20 Occasion)				, 114 & 151 clearances, valid thru student teaching			
	ONAL PREPARATION (28 Credits)	•		a million ligh	oility insurance policy			
EDU 340		_	Cal U	HTRA AA-	IDODO			
TED 100				EXTRA COL		25	_	CAC
TED 300				ELC 162	Free Electives	22		CAC
		_	CalU					
		-	Cal U					
			Cal U		TED BS SP 07			
TED 462	Professional Practices in TED	3 (Cal U					

Bachelor of Science in Education Degree (123 credits)

Eight Semester Course Sequence

FRESH	MAN	Semester 1				Semester 2	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ENG	101	English Composition I	3	ENG	102	English Composition II	3
MAT	181	College Algebra	3	MAT	191	College Trigonometry	3
TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3
TED	100	Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3
TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3
UNI	100	First Year Seminar	1			·	
		Total	16			Total	15

SOPH	DMORE	Semester 3*				Semester 4**	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3	EDU	310	Teaching in Multicultural Society	3
PSY	100	General Psychology	3	PSY.	208	Educational Psychology	3
İ	1	General Education	9	TED	300	Assessment & Instruction in TED	3
1	1		ĺ			General Education	7
1	1					·	1
1	L						j
		Total	15			Total	16

^{*}Praxis exams should be taken during or immediately following the third semester.

^{**}Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR		Semester 5				Semester 6	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
TED	316	Structural Design	3	TED	346	Digital Communications	3
TED	335	Transportation Systems	3	1	Ī	General Education	3
1 1		Technical/Technological Elective	3		•	Technical/Technological Elective	3
1 1							
<u> </u>	 	Total	15		<u> </u>	Total	15

	SENIOR		Semester 7				Semester 8	
-	Prefix			Cr.	Prefix			Cr.
-	TED		Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
	TED	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
	TED	450	Teach. Tech-Secondary Sch	3	Ì			
	TED	500	Teach. Tech-Elementary Sch	3				
-	1		Technical/Technological Elective	3				
١								
٠	•		Total	15			Total	13

Manuf Tech Controls to Technology Education - Bachelor of Science in Education (120 credits)

Name:			Entry	r:		ID:		
Email:			hone):	=-			
A=115	AL EDUCATION /80 54 Acaditat							
	AL EDUCATION (50-51 Credits)	: Cr	s Grad			()rs	Grade
	a Sense of Community - 1 credit				Courses:			
EGR 100	Engineering Seminar	_ 1	CCA	_	Robotic Controls		4.	CCAC
Outland T	hinking Okilla 2 anodika			MAT 116			4 -	CCAC
	hinking Skills - 3 credits	_	0-11	EDD 101			3 -	CCAC
TED 426	Manufacturing Enterprise*	- 3	Call	TED 111 TED 126			3 <u> </u>	CalU
Commun	ication Skills - 6 credits			TED 126			э 3	Cal U
ENG 101	Composition *	3	CCAC				3 3	Cal U
ENG 103		- 3	CCAC				ა ვ-	Cal U
ENG 100	1 ect ((near Contanto) heatforts	-	COA	TED 346	Digital Communications		3 - 3	CalU
Dublic Sr	eaking - 3 credits			TED 436	Engineering Design & Development		3 - 3	Cal U
I GDIIG OF	- V Orderto	3	Cal U		Fildinesing peagli a peaciobilitie		٠ -	<u> </u>
		. ~		_ Technical/i	<u> Sechnological Electives</u> - 9 credits			
Mathema	tics - 3 credits			EET 103	Intro to Electronics		3	CCAC
MAT 114		4	CCAC		Technical Computing			CCAC
7003 7 11-7	THE TOTAL OF THE		- Contract	EDD 120	Intro to CAD		_	CCAC
Natural S	ciences - 7-8 credits**				THE USAS		Ť -	
PHY 113	Technical Physics 1	3	CCAC	ELECTIV	/E (3 Credits)			
	Engineering Materials	. 4	CCAC		Fund of Microprocessors		3	CCAC
IVILITIE	ELIBRIGALIS MONITOR	•	COAC	WIII 100	Fund of Microprocessors		' –	OUAU
Sasial Sal	iences - 6 credits			A				
		2	0040		Technical/Technological Electives:			
PSY 101 PSY 208	Intro to Psychology Educational Psychology*				42, 241, 242, THE 141, CSC 120 or above			
PS1 206	Educational Psychology		CBIU		r, GCT, GET, ITE, MMT or TED course not already r	equired	•	
Liven anitio	s - 3 credits			by the major,	, or any other courses approved by the advisor			
LICE S EL PRESENTATION	Humanities - Literature	_ `	-	989				•
	numanities - Literature	3	CCAC	kednited c	ourses that must be completed.			
Fine Bude								
rine Arts	- 3 credits	_			ence: Complete one 4-credit LAB & one LAB or SCIE	NCE.		
		3	CalU		BIO 115, BIO 206, CHE 101, PHY 121		,	
N.S 247 24				SCIENCE (3 CTB) EAS 163, ENS 101, PHS 120, PHS 137			
	ral Awareness - 3 credits	_						
EDU 310	Teaching In a Multicultural Society *	3	CalU		Teacher Education - must be approved at 48 - 65 of	redits		
N 4 - 5 4	N			2.80 GPA ov				
Values - :					ades in 6 credits of math			
TED 210	Design & Appropriate Technology *	3.			ades in 6 credits of composition/English liteatur	е		
	tool f Manager	•			ade in TED 100			
	ical Literacy - 6 credits	_		Speech and I				
TED 302	Energy & Control Systems *				x 34, Act 114 and Act 151 clearances			
TED 316	Structural Design *	З.	Cal U	Pass Praxis e	exams in Reading, Writing, Math			
				_				
	<u>feliness</u> - 3 credits				tion for Student Teaching - required 1 semester pr	rior		
HPE 314	First Aid & Personal Safety *	3 _	Cal U	Due Jun. 1 fo	r Fall, Nov. 1 for Spring			
A(-)4i O-					erall (at time of application & start of student tea	ching)		
	mponent Courses - 2 courses		_	_	ade in each TED course			
	ED 461 listed below in the Professional Preparat		٠,	TB test				
lock are desig	nated Upper-Division Writing Component Course	9 5 .			TED exam and Fundamental Subjects exam			
				Current Act 3	4, 114 & 151 clearances, valid thru student tead	hing		
	ONAL PREPARATION (28 Credits)		;	\$1 million liab	ility insurance policy			
	Mainstreaming Exceptional Learners	3 _	Cal U		· · · · · · · · · · · · · · · · · · ·			
	Introduction to Technology Education	3	Cal U	EXTRA COU	<u>rses</u>	•		
TED 300	Assessment & Instruction in TED	3 7	Cal U	ELC 162	Free Electives	17	C	CAC
TED 450	Teach Technology in Secondary Sch	3 7	Cal U		•			
		_	Cal U		TED BS SP 07			
TED 461	Technology Education Student Teach	10 7	Cal U					
TED 462	Professional Practices in TED	-	Cal U					

Bachelor of Science in Education Degree (123 credits)

Eight Semester Course Sequence

FRESH	MAN	Semester 1				Semester 2	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ENG	101	English Composition I	3	ENG	102	English Composition II	3
MAT	181	College Algebra	3	MAT	191	College Trigonometry	3
TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3
TED	100	Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3 [
TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3
UNI	100	First Year Seminar	1			<u> </u>	
		Total	16		*** · · · · · · · · · · · · · · · · · ·	Total	15

SOPHO	MORE	Semester 3*				Semester 4**	
Prefix	Number	Course	Cr.	Prefix			Cr.
ITE	250	Intro to Automation	3	EDU	310	Teaching in Multicultural Society	3
PSY	100	General Psychology	3	PSY	208	Educational Psychology	3
1 1	,	General Education	9	TED	300	Assessment & Instruction in TED	3
1 1						General Education	7
			[į	
1			}			·	
		Total	15			Total	16

^{*}Praxis exams should be taken during or immediately following the third semester.

^{**}Students should apply for Admission to Teacher Education during the fourth semester.

JUNIC	OR	Semester 5				Semester 6	
Prefi	x Number	Course	Cr.	Prefix	Number	Course	Cr.
EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
TED	316	Structural Design	3	TED	346	Digital Communications	3
TED	335	Transportation Systems	3			General Education	3
1	1	Technical/Technological Elective	3			Technical/Technological Elective	3
				·		-	[
		Total	15			Total	15

SENIOR		Semester 7				Semester 8	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TED	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
TED	450	Teach. Tech-Secondary Sch	3				
TED	500	Teach. Tech-Elementary Sch	3				
1		Technical/Technological Elective	3				
l1							
		Total	15			Total	13

Manuf Tech Machining to Technology Education - Bachelor of Science in Education (120 credits)

Name:	•		Entry	•	•	ID:		
Email:			Phone		-			
				·				
GENER	AL EDUCATION (50-51 Credits)	l: Cr	e Grade	MAJOR	(39 Credits)	c	rs G	trade
	a Sense of Community - 1 credit				Courses:	•		
	Engineering Seminar	4	CCAC				3 0	al U
EGIV 100	Engineering Octimies	- '		MAT 116		,		CAC
Critical T	<u> hinking Skills</u> - 3 credits			EDD 120		_		CAC
TED 426		3	Cal U	TED 111				al U
1ED 420	Maturaciuming Emerprise	_ `		TED 126				
Commun	ication Skills - 6 credits			TED 226				al U
ENG 101		•	CCAC	TED 304		NG(6) 612		al U
				-	-	3		al U
ENG 103	I ecnnical Communications	_ ³	CCAC	TED 335		· · · · · · · · · · · · · · · · · · ·		
Dublin C-				TED 346		3		al U
Public St	<u>ceaking</u> - 3 credits	_		TED 436	Engineering Design & Development	3	້ _ບ	al U
		_ 3	<u>Cal U</u>	* = b ! : : :				•
	40				<u> Cechnological Electives</u> - 9 credits	<u> </u>		
	tics - 3 credits			EET 103	Intro to Electronics			CAC
<u>MAT 114</u>	Math for Technologies 1	_ 4	CCAC	MET 141	intro to Machining	3		CAC
				EDD 101	Engineering Drawing 1	3		CAC
Natural S	<u>ciences</u> - 7-8 credits**							
PHY 113	Technical Physics 1	3	CCAC	ELECTIV	'E (3 Credits)			
MET 112	Engineering Materials	4	CCAC	SET 105	Technical Computing	3	CC	CAC
		_						
Social Sci	iences - 6 credits			Approved T	echnical/Technological Electives:			
PSY 101	Intro to Psychology	3			42, 241, 242, THE 141, CSC 120 or a	bove		
PSY 208	Educational Psychology*	- 3			F, GCT, GET, ITE, MMT or TED course no		bv	
		- Ť			any other courses approved by the ad		-,	
Humanitic	es 3 credits				mily out or a contract mapping to a stream			
E ASSOCIATION REPORT	Humanities - Literature	2	CCAC	*Demiired e	ourses that must be completed.			
	I ratified inness - Principarate	_ຸິ.	COAC	section co c	ourses that must be completed.			
	9							
rine Arts	- 3 credits	_			ence: Complete one 4-credit LAB and one		•	
		_ 3 .			BIO 115, BIO 206, CHE 101, PHY 12			
				<u>science</u> (3	3 crs) EAS 163, ENS 101, PHS 120, F	2HS 137		
	ral Awareness - 3 credits							
EDU 310	Teaching in a Multicultural Society *	_ 3 _	Cal U	Admission to	Teacher Education - must be approved a	ıt 48 - 65 credits		
				2.80 GPA ov	erali	*		
<u>Values</u> - :	3 credits		(C or better gi	rades in 6 credits of math	•		
TED 210	Design & Appropriate Technology *	3	Cal U	C or better gr	ades in 6 credits of composition/Englis	sh liteature		
		-			ade in TED 100			
Technolog	ical Literacy - 6 credits			Speech and i				
TED 302	Energy & Control Systems *	3			at 34, Act 114 and Act 151 clearances			
TED 316	Structural Design	· ŝ -			exams in Reading, Writing, Math			
		·		400110101	mario il i todan i i voltan i i i i i i i i i i i i i i i i i i i			
Health & V	<u>Veliness</u> - 3 credits			Recommenda	tion for Student Teaching - required 1 se	emester prior		
	First Aid & Personal Safety *	3			r Fall, Nov. 1 for Spring	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
111 2 014	That And at 7 Grounds Callety	. ´ -				udont topobine)		
Aritima Co	mponent Courses - 2 courses				erall (at time of application & start of st	udent teaching)		
	ED 451 listed below in the Professional Prepara	.a!		_	ade in each TED course			
	•			FB test				
lock are desig	mated Upper-Division Writing Component Coun	ses.			TED exam and Fundamental Subjec			
	ALLE BROKE STORY				4, 114 & 151 clearances, valid thru stu	ident teaching		
	ONAL PREPARATION (28 Credits		\$	i million liab	ility insurance policy			
EDU 340	Mainstreaming Exceptional Learners	3 _	Cal U					
TED 100	Introduction to Technology Education	3 _	Cal U	EXTRA COU				
TED 300	Assessment & Instruction in TED	3 -	Cal U	ELC 162	Free Electives	19	CC	AC
TED 450	Teach Technology in Secondary Sch	3 -	Cal U					
TED 451	Teach Technology in Elementary Sch	3 -	Cal U		TED	BS SP07		
TED 461	Technology Education Student Teach	10	Cal U					
TED 462	Professional Practices in TED	3	Cal U					

Bachelor of Science in Education Degree (123 credits)

Eight Semester Course Sequence

FRESH	MAN	Semester 1				Semester 2	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ENG	101	English Composition I	3	ENG	102	English Composition II	3
MAT	181	College Algebra	3	MAT	191	College Trigonometry	3
TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3
TED		Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3
TED	426	Engineer Materials & Deed Design		TEN	240	Design & Appropriate Technology	9

SOPHO	MORE	Semester 3*				Semester 4**	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3	EDU	310	Teaching In Multicultural Society	3
PSY	100	General Psychology	3	PSY	208	Educational Psychology	3
1		General Education	9	TED	300	Assessment & Instruction in TED	3
		i	- 1	1		General Education	7
1 1					÷		1 1
• .		T	otal 15]		Total	16

^{*}Praxis exams should be taken during or immediately following the third semester.

^{**}Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR		Semester 5				Semester 6	
Prefix	Number	Course	Cr.	Prefix	Number	Соигве	Cr.
EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
TED	302	Energy & Control Systems	- 3	TED '	304	Designs in Bio-Related Tech	3
TED	316	Structural Design	3	TED	346	Digital Communications	3
TED	335	Transportation Systems	3			General Education	3
1		Technical/Technological Elective	3			Technical/Technological Elective	3
l	i	J					1
		Total	15		'	Total	15

SENIOR		Semester 7				Semester 8	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TED	436	Engineering Design & Develop	. 3	TED	462	Prof Practices in Tech Ed	3
TED	450	Teach. Tech-Secondary Sch	3			·	
TED	500	Teach. Tech-Elementary Sch	3				
		Technical/Technological Elective	3			•	
						·	
	`.	Total	15			Total	13

Total = 120 Credit Hours (BS Degree)

UNI

100

First Year Seminar

Manuf Tech Nano to Technology Education - Bachelor of Science in Education (120 credits)

Name:			Entry	:	ID:	
Email:			Phone			
						
GENERA	AL EDUCATION (50-51 Credits	s): Cra	Grade	MAJOR (39 Credits)	Crs	Grade
	Sense of Community - 1 cred		. 0.140	Required Courses:	0.0	-,
	Engineering Seminar	1	CCAC	——————————————————————————————————————	3	Cal U
EGIT 100	Engliseding Continu			MAT 116 Math for Technologies 2	4	CCAC
Critical T	hinking Skills - 3 credits			TED 105 Communicating Technical Designs	3	Cal U
TED 428		3	Cal U	TED 111 Information Systems	3 '	Cal U
10 420	THAI ICIGOTALITY ETITOLOGICA	—		TED 126 Engineering Materials & Product Design	3	Cal U
Communi	ication Skills - 6 credits			TED 226 Apps.& Processing of Engineering Materials	3	Cal U
ENG 101	Composition ! *	3	CCAC		3.	Cal U
ENG 103	Technical Communications	— ~	CCAC	TED 335 Transportation Systems	3.	Cal U
ENG 103	1 801 (Thodi Cottinio ilications	<u> </u>		TED 346 Digital Communications	3.	CalU
Dublic Sn	eaking - 3 credits			TED 436 Engineering Design & Development	٦.	Cal U
raphe Sp	earning - o di edita	3	Cal U	I CD 400 THRUBERING DESIGN OF DEACIOPHICIN	٠.	
		_ J	Cei U	Technical/Technological Electives - 9 credits		
Mathemat	ics - 3 credits			EET 103 Intro to Electronics	3	CCAC
	Math for Technologies 1	A	CCAC	EL 1 100 Intio to Lisotrolicos	— ຊັ∙	Cal U
IAIV I I LA	INIBILITY TO TECHNICION TO T	~	CORO		— š.	Cal U
Natural Sc	elences - 7-8 credits**				 ~ -	OHI O
PHY 113	Technical Physics 1	2	0000	ELECTIVE (3 Credits)		
	Engineering Materials	— ໕.	CCAC	SET 105 Technical Computing	3	CCAC
WEITE	Englineering waterals	 "·	COAC	SET 100 Technical computing		COAC
Control Col	anan Garadian			Annual Washington (Parkers) - Last Plantings		
	ences - 6 credits	•		Approved Technical/Technological Electives:		
PSY 101 PSY 208	Intro to Psychology			COM 141, 142, 241, 242, THE 141, CSC 120 or above		,
PST 200	Educational Psychology*	_ ³ -	Caru	Any CET, EET, GCT, GET, ITE, MMT or TED course not already	required	i
Alternación	a 2 aradita			by the major, or any other courses approved by the advisor		
Limitation	s 3 credits	_		Mills and an all a common allows are such that are		
	Humanities - Literature	_ 3 -	CCAC	*Required courses that must be completed.		
			•			
Fine Arts	- 3 credits	•		**Natural Science: Complete one 4-credit LAB and one LAB or S	CIENCE.	
		3 _		LAB (4 crs): BIO 115, BIO 206, CHE 101, PHY 121		
				SCIENCE (3 cm) EAS 163, ENS 101, PHS 120, PHS 137	•	
<u>Multicultu</u>	ral Awareness - 3 credits			•		
EDU 310	Teaching in a Multicultural Society *	3	Cal U	Admission to Teacher Education - must be approved at 48 - 65	credits	
				2.80 GPA overall		
<u>Values</u> - 3				C or better grades in 6 credits of math		
TED 210	Design & Appropriate Technology *	3	Cal U	C or better grades in 6 credits of composition/English liteatu	ire ·	
				C or better grade in TED 100		
<u>Technolog</u>	ical Literacy - 6 credits			Speech and hearing test		
TED 302	Energy & Control Systems *	_ 3	Cal U	Document Act 34, Act 114 and Act 151 clearances		
TED 316	Structural Design *	_ 3 _	Cal U	Pass Praxis exams in Reading, Writing, Math		
	<u>eliness</u> - 3 credits		!	Recommendation for Student Teaching - required 1 semester (orior	
HPE 314	First Aid & Personal Safety *	_ 3 _	Cal U	Due Jun. 1 for Fall, Nov. 1 for Spring		
				3.00 GPA overall (at time of application & start of student te	aching)	
	mponent Courses - 2 courses		, 1	C or better grade in each TED course		
FED 450 and Ti	ED 451 listed below in the Professional Prepa	aration	•	TB test		
lock are design	nated Upper-Division Writing Component Cou	urses.		Pass Praxis II TED exam and Fundamental Subjects exam		
				Current Act 34, 114 & 151 clearances, valid thru student tea	ching	
PROFESSIO	ONAL PREPARATION (28 Credit	is)	;	\$1 million liability insurance policy		
EDU 340	Mainstreaming Exceptional Learners	3	Cal U			
TED 100	Introduction to Technology Education	з —	Cal U	EXTRA COURSES		
	Assessment & Instruction in TED	_		ELC 162 Free Electives	32 C	CAC
TED 450	Teach Technology in Secondary Sch	_	CalU	•		
	Teach Technology in Elementary Sch		Cal U	TED BS SPO	7	
	Technology Education Student Teach	_	Cal U			
	Professional Practices in TED	_	Cal U			

Bachelor of Science in Education Degree (123 credits)

Eight Semester Course Sequence

	FRESH	MAN	Semester 1				Semester 2		
	Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.]
	ENG	101	English Composition I	3	ENG	102	English Composition II	3	1
	MAT	181	College Algebra	3	MAT	191	College Trigonometry	3	İ
	TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3	
	TED	100	Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3	
	TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3	ı
٠,	UNI	100	First Year Seminar	1					1
			Total	16			Total	15	1

SOPHO	MORE	Semester 3*				Semester 4**	
Prefix	Number	Course	Cr.	Prefix	Number		Cr.
ITE PSY	250 100	Intro to Automation General Psychology	3	EDU PSY		Teaching In Multicultural Society Educational Psychology	3 3
•	·	General Education	9	TED		Assessment & Instruction in TED General Education	3 7
		Tota	1 15		<u>,</u>	Total	16

^{*}Praxis exams should be taken during or immediately following the third semester.

^{**}Students should apply for Admission to Teacher Education during the fourth semester.

1	JUNIOR		Semester 5				Semester 6	
	Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
	EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
1	TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
Ì	TED	316	Structural Design	3	TED	346	Digital Communications	3 .
- [TED	335	Transportation Systems	3	ļ		General Education	3
			Technical/Technological Elective	3			Technical/Technological Elective	3
1	1							
•			Total	15			Total	15

SENIOR		Semester 7				Semester 8	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TED	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
TED	450	Teach. Tech-Secondary Sch	3				
TED	500	Teach. Tech-Elementary Sch	3				
1 1	•	Technical/Technological Elective	3				
						·	
		Total	15			Total	13

Manuf Tech Weld to Technology Education - Bachelor of Science in Education (120 credits)

Name:			Entry	<i>r</i> :	ID:	
Email:			Phone		_	
GENERA	AL EDUCATION (50-51 Credits):	Crs	Grade	MAJOR (39 Credits)	Crs	Grade
	a Sense of Community - 1 credit			Required Courses:		
	Engineering Seminar	1	CCAC		. 3	Cal U
		•		MAT116 Math for the Technologies 2	4	CCAC
Critical T	hinking Skills - 3 credits			EDD 120 Intro to CAD	4	CCAC
TED 426	Manufacturing Enterprise*	3	Cal U	TED 111 Information Systems	3	Cal U
		•	****	TED 126 Engineering Materials & Product Design	3 '	Cal U
Commun	ication Skilis - 6 credits			TED 226 Apps.& Processing of Engineering Materials	3 '	Cal U
ENG 101	Composition ! *	3	CCAC	TED 304 Designs in Bio-Related Technology	3 '	Cal U
ENG 103	Technical Communication	3	CCAC	TED 335 Transportation Systems	3 `	Cal U
		•		TED 346 Digital Communications	3	Cal U
Public Sp	eaking - 3 credits			TED 436 Engineering Design & Development	` 3 `	Cal U
	·	3	Cal U	· _	•	
				Technical/Technological Electives - 9 credits		
<u>Mathema</u>	tics - 3 credits			EET 130 Intro to Electronics	3	CCAC
MAT 114	Math for the Technologies 1	4	CCAC	EDD 101 Engineering Drawing 1	з]	CCAC
				MET 200 Meteorology	3 <u></u>	CCAC
Natural Se	<u>ciences</u> - 7-8 credits**					
PHY 113	Technical Physics 1	3	CCAC	ELECTIVE (3 Credits)		
MET 112	Engineering Materials	4	CCAC	WLC 101 Welding Fundamentals	3	CCAC
		•				
Social Sci	ences - 6 credits			Approved Technical/Technological Electives:		
PSY 101	Intro to Psychology *	3	CCAC	COM 141, 142, 241, 242, THE 141, CSC 120 or above		
PSY 208	Educational Psychology*	3 .		Any CET, EET, GCT, GET, ITE, MINT or TED course not already	required	by
		•		the major, or any other courses approved by the advisor		
Humanitie	s - 3 credits					
	Any Humanities Literature Course	3	CCAC	*Required courses that must be completed.		
		•		• • • • • • • • • • • • • • • • • • • •		
Fine Arts	- 3 credits			**Natural Science: Complete one 4-credit LAB and one LAB or S	CIENCE.	
		3	Call	LAB (4 crs): BIO 115, BIO 208, CHE 101, PHY 121		
		٠-		SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 137	•	
Multicultu	ral Awareness - 3 credits	•		<u> </u>		
EDU 310	Teaching in a Multicultural Society *	3	Cal U	Admission to Teacher Education - must be approved at 48 - 65	credits	
	TOTAL MENTAL COURTS	~ -		2.80 GPA overall	0.00	
Values - :	3 credits			C or better grades in 6 credits of math		
TED 210	Design & Appropriate Technology *	3		C or better grades in 6 credits of composition/English liteatu	IFO.	
TED EIG	Design & Appropriate recimology	٦ _	0410	C or better grade in TED 100	ii e	
Technolog	ical Literacy - 6 credits			Speech and hearing test		
TED 302	Energy & Control Systems *	3		Document Act 34, Act 114 and Act 151 clearances		
	Structural Design *	ัฐ -	A CITY			
120 010	Otractoral Design	٠ -	CELU	Pass Praxis exams in Reading, Writing, Math		
lesith & W	<u>/ellness</u> - 3 credits			Recommendation for Student Teaching - required 1 semester p	rior	
		3		Due Jun. 1 for Fall, Nov. 1 for Spring	1101	
111 2 014	i list Ald & Personal Salety	ິ –		• •		
Writing Co	mponent Courses - 2 courses			3.00 GPA overall (at time of application & start of student ter	aching)	
	ED 451 listed below in the Professional Preparati	^		C or better grade in each TED course		
	nated Upper-Division Writing Component Course			TB test		
non are need	Opportunity versing Component Course	5.		Pass Praxis II TED exam and Fundamental Subjects exam	abi	
BULLGE	ONAL PREPARATION (28 Credits)			Current Act 34, 114 & 151 clearances, valid thru student tea	cuing	
		9		\$1 million liability insurance policy		
			Cal U	PVTRA AALIBAFA		
		_		EXTRA COURSES		
		3_		ELC 162 Free Electives	20 C	CAC
	• • • • • • • • • • • • • • • • • • • •	_	Cal U		•	
	J.	³ _	Cal U	TED BS SPO	<i>(</i>	
	- .	_	Cal U			
TED 462	Professional Practices in TED	3	Cal U			

Bachelor of Science in Education Degree (123 credits)

Eight Semester Course Sequence

FRESHI	MAN	Semester 1				Semester 2	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ENG	101	English Composition I	3	ENG	102	English Composition II	3
MAT	181	College Algebra	3	MAT	191	College Trigonometry	3
TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3
TED	100	Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3
TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3
UNI	100	First Year Seminar	1				
		Total	16			Total	15

	SOPHO	MORE	Semester 3*				Semester 4**	
ı	Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
	ITE	250	intro to Automation	3	EDU	310	Teaching In Multicultural Society	3
ı	PSY	100	General Psychology	3	PSY	208	Educational Psychology	3
-			General Education	9	TED	300	Assessment & Instruction in TED	3
ı							General Education	7
ı	j			1 .			·	1 1
ı				·		·		i
•			Total	15			Total	16

^{*}Praxis exams should be taken during or immediately following the third semester.

^{**}Students should apply for Admission to Teacher Education during the fourth semester.

<u>) J</u>	UNIOR		Semester 5				Semester 6	
	refix	Number	Course	Cr.	Prefix	Number	Course	Cr.
. F	EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
	TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
1	TED	316	Structural Design	3	TED	346	Digital Communications	3
	TED	335	Transportation Systems	3			General Education	3
į	· 1		Technical/Technological Elective	3			Technical/Technological Elective	3
ĺ			J					
			Total	15			Total	15

SENIOR		Semester 7				Semester 8	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TED	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
TED	450	Teach. Tech-Secondary Sch	3	B	. •		
TED	500	Teach. Tech-Elementary Sch	3	l l			
		Technical/Technological Elective	3	1			
		J					
		Total	15		\ <u></u>	Total	13

Mech Drf & Des to Technology Education - Bachelor of Science in Education (120 credits)

Name:			Entry	:		ID:		
Email:			Phone			_		
				·	<u> </u>			
GENERA	AL EDUCATION (50-51 Credits):	Crs	s Grade	MAJOR	(39 Credits)	C	rs	Grade
	a Sense of Community - 1 credit		•		Courses:			
EGR 100		1	CCAC	ITE 250	Introduction to Automation		3 .	
		-		MAT116	Math for the Technologies 2		4	CCAC
Critical T	hinking Skills - 3 credits			EDD 101	Engineering Drawing 1		3 [CCAC
TED 426	Manufacturing Enterprise*	3	Cal U	TED 111	Information Systems		3 📱	
		-		TED 126	Engineering Materials & Product Design			
	ication Skills - 6 credits			TED 226	Apps.& Processing of Engineering Material	\$	3 🛚	
ENG 101		_ 3	CCAC		,	,	3 🖠	
ENG 103	Technical Communication	. 3	CCAC	TED 335	Transportation Systems		3 _	
	· · · · · · · · · · · · · · · · · · ·			TED 346			3	
Public Sp	eaking - 3 credits		anazenta atako	TED 436	Engineering Design & Development		3 _	
		. 3	Cal U					
					<u> [echnological Electives</u> - 9 credits		_	المساوي المواطعة
	tics - 3 credits			EDD 120	Intro to CAD	'		CCAC
MAT 114	Math for the Technologies 1	. 4	CCAC	MET 150	Statics	'		CCAC
				MET 211	Strength of Materials	^	4 💆	CCAC
	ciences - 7-8 credits**	_	in a carrier and		# 40 O			
PHY 113	Technical Physics 1	3			E (3 Credits)		. ,	بقارية وتعاويف
MET 112	Engineering Materials	4	CCAC	SET 105	Technical Computing	— [;]	3 _	CCAC
	A							
	ences - 6 credits	_			echnical/Technological Electives:			
PSY 101	Intro to Psychology *				42, 241, 242, THE 141, CSC 120 or above			
PSY 208	Educational Psychology*	3	Cal U		r, GCT, GET, ITE, MMT or TED course not already r	equire	d by	
Lis a midia	a andita			the major, or	r any other courses approved by the advisor			
numanne	s - 3 credits	_		'				
	Any Humanities Literature Course	3	CCAC	-kequirea c	ourses that must be completed.			
El A	2 anadita						_	
Fine Arts	- 3 credits	_	2 1002 No. 12 00 12 014		ence: Complete one 4-credit LAB and one LAB or So	HENC	E .	
		З.			BIO 115, BIO 206, CHE 101, PHY 121	_		
88. 16: 14	uni Auronomona 2 annullia			SCIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 13	/		
	ral Awareness - 3 credits	_	- 100 April 100 April 100 April 100 April 100 April 100 April 100 April 100 April 100 April 100 April 100 April	watersteen activate				
EDU 310	Teaching in a Multicultural Society *	3.			Teacher Education - must be approved at 48 - 65 c	redits	•	
Values - 3	3 aradita			2.80 GPA ov				
		,			rades in 6 credits of math			
TED 210	Design & Appropriate Technology *	3 _		_	rades in 6 credits of composition/English lites	ture		
Technolog	ical Literacy - 6 credits				rade in TED 100			
TED 302	Energy & Control Systems *	,		Speech and				
	Structural Design *	_ 7	Common Common Co.		ct 34, Act 114 and Act 151 clearances			
120 310	Structural Design	3 _	Cal U	Pass Praxis	exams in Reading, Writing, Math			
Health & W	<u>/eliness</u> - 3 credits			Danominanda	tion for Student Teaching - required 1 semester pr	OF		
HPE 314	First Aid & Personal Safety *	3		II IN KI LAMAKANA	or Fall, Nov. 1 for Spring	U I		
111 2 014	That Aid a Tersonal Galety	ے د			erall (at time of application & start of student	teachi	ina)	
Writing Co	mponent Courses - 2 courses				rade in each TED course	lcaciii	11197	
ED 450 and T	ED 451 listed below in the Professional Preparat	ion		C or beller gi TB test	ade iii eacii 1ED codise			
	nated Upper-Division Writing Component Course				II TED exam and Fundamental Subjects exa	m		
	Triming Component Course	-0.			4, 114 & 151 clearances, valid thru student to		na	
PROFESSI	ONAL PREPARATION (28 Credits)				pility insurance policy		.5	
EDU 340		3 🖰	CalU		and menone band			
TED 100	Introduction to Technology Education	3		EXTRA COU	RSES			
	Assessment & Instruction in TED	3	•	ELC 162	Free Electives	22	cc	ac
		3	Cal U					_
TED 451		3	Cal U		TED BS SP0	7		
TED 461		10 🗆	Cal U					
		3	Cal U					-

Bachelor of Science in Education Degree (123 credits)

Eight Semester Course Sequence

FRESHM	MAN	Semester 1		Semester 2			
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ENG	101	English Composition I	3	ENG	102	English Composition II	3
MAT	181	College Algebra	3	MAT	191	College Trigonometry	3
TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3
TED	100	Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3
TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3
UNI	100	First Year Seminar	1	l i			l
		Total	16			Total	15

SOPHO	MORE	Semester 3*		•		Semester 4**	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ITE	-	Intro to Automation	3	EDU	310	Teaching in Multicultural Society	3
PSY	100	General Psychology	3	PSY	P .	Educational Psychology	3
1	·	General Education	9	TED	300	Assessment & Instruction in TED	3
	-		1			General Education	7
				1		·	
			i				
		[To	tal 15	}		Total	16

^{*}Praxis exams should be taken during or immediately following the third semester.

^{**}Students should apply for Admission to Teacher Education during the fourth semester.

)	JUNIOR		Semester 5				Semester 6	
1	Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
Γ	EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
1	TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
1	TED	316	Structural Design	- 3	TED	346	Digital Communications	3
ı	TED	335	Transportation Systems	3	A I		General Education	3
ł			Technical/Technological Elective	3			Technical/Technological Elective	3
					i l		_	
			Total	15	<u>'</u>		Total	15

SENIOR		Semester 7				Semester 8	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TED	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
TED	450	Teach. Tech-Secondary Sch	3	1]	i
TED	500	Teach. Tech-Elementary Sch	3	i 1		[
-		Technical/Technological Elective	3				}
		Total	15			Total	13

Microcomp Electronics to Technology Education - Bachelor of Science in Education (120 credits)

Name	:		Entry	:	•	ID:
Email:			Phone		····	
4818				144 100	100 Om 114-1	
	AL EDUCATION (50-51 Credits		's Grade			Crs Grade
	a Sense of Community - 1 credi	T .			Courses:	
EGR 100	Engineering Seminar	_ 1	CCAC	_		3 Cal U
Coltion T	Thinking Chille 2 aradite			MAT 116		4 CCAC
	Thinking Skills - 3 credits	_	6-111	TED 105	• •	3 Cal U
1ED 420	Manufacturing Enterprise*	3	<u>Cal U</u>	_ TED 111		3 Cal U
C	Jestian Chille & aradion			TED 126 TED 226		3 Cal U
	ication Skills - 6 credits Composition *	2	CCAC	TED 304		ls 3 Cal U
ENG 101		_	CCAC	TED 335	,	3 Cal U
-ENG 106	Report valuing	_ 3	COMO	TED 346		3 Cal U
Dublic Sr	<u>ceaking</u> - 3 credits			TED 436		3 Cal U
LADIO OF	- 2 Cicaita	3	Cal U	120-00	FIRM SENT DESIGN OF DESCRIPTION	3 0210
		_ `	Caro	_ Technical/1	<u>echnological Electives</u> - 9 credits	
Mathema	tics - 3 credits			P 41400011144	Technical Elective	3 CCAC
	Math for Technologies 1	4	CCAC		Technical Elective	- 3 CCAC
10051 114	· · · · · · · · · · · · · · · · · · ·	-	DOAD		Leoningi Liexive	3 Cal U
Natural S	ciences - 7-8 credits**					`
PHY 113		3	CCAC	ELECTIV	E (3 Credits)	
PHY 114		- š	CCAC	SET 105		3 CCAC
11111114	1 CONTINUE ! TIYONG Z	_ ~	OUNU	<u> </u>	1 CONTINUAL COMPUTATION	
Social Sc	iences - 6 credits			Approved T	cohmisti/Technological Electives	
PSY 101	Intro to Paychology	2	0000		echnical/Technological Electives: 42, 241, 242, THE 141, CSC 120 or above	
PSY 208	Educational Psychology*	_ 3			, GCT, GET, ITE, MAIT or TED course not alread	te annuismed five
P3 7 200	Eddografia Leader loicala	_ ~	Caru		any other courses approved by the advisor	y required by
Hismonitie	es 3 credits			are mejor, or	any ones courses approved by the advisor	
B RESTREBUTED A COM	Humanities - Literature	3	CCAC	*Doguisoni e	entrope that much be completed	
	Manigrands - Energials	_	COMO		ourses that must be completed.	
Eino Arto	- 3 credits			#00lada uml Balla	Sec. Complete and 4 and to LAD and and LAD are	COIENCE
Line Wite	- 3 Cradits	_			Ince: Complete one 4-credit LAB and one LAB or	SCIENCE.
		_ 3			BIO 115, BIO 208, CHE 101, PHY 121	t=7
Barridian tan	<u>ıral Awareness</u> - 3 credits			PRIENCE (3 crs) EAS 163, ENS 101, PHS 120, PHS 13	· /
EDU 310			0-111	Admirales to	Tanahar Edwardlan	E anadita
EDU 310	Teaching in a Multicultural Society *	_ 3		2.80 GPA ov	Teacher Education - must be approved at 48 - 69	o credits
Values -	2 orodite				•	•
TED 210	Design & Appropriate Technology *	3			ades in 6 credits of math	6.
120210	Design & Appropriate Technology	- "			ades in 6 credits of composition/English liteat	ure
Technolog	ical Literacy - 6 credits				ade in TED 100	
TED 302	Energy & Control Systems *	3		Speech and h		
TED 316	Structural Design *	- 3			t 34, Act 114 and Act 151 clearances	
100010	Su dotara Design	- °	<u> </u>	rass Fraxis e	exams in Reading, Writing, Math	
Health & V	Veilness - 3 credits			Danammand w	tion for Student Teaching - required 1 semester	rnior
HPE 314	First Aid & Personal Safety *	3			r Fall, Nov. 1 for Spring	prior
111-2-014	1 list Ald di Personial Salety	- "			• •	ocching)
Writing Co	mponent Courses - 2 courses				erall (at time of application & start of student to ade in each TED course	sacring)
	ED 451 listed below in the Professional Prepa	ration		Corbeller gra TB test	ade ill each i ED contae	
	nated Upper-Division Writing Component Cou				TEO even and Eundamental Subjects even	•
ov and abbili	here abber-Risieren szumiñ Amithangur Con	. 200.			TED exam and Fundamental Subjects exam 4, 114 & 151 clearances, valid thru student te	
PROFFSSI	ONAL PREPARATION (28 Credits	e)			4, 114 & 151 clearances, valid thro student te lity insurance policy	aloi III IY
EDU 340	Mainstreaming Exceptional Learners	₽) 3	CalU	at Ulimou HSDI	my madence policy	
TED 100	Introduction to Technology Education			EYTDA ^^!	20EC	
TED 300	Assessment & Instruction in TED	3		EXTRA COU	RSES Free Electives	29 CCAC
TED 300	_ :: :: :: :: : : : : : : : : : : : : :	3		ELC 162	i iee Electives	29 0070
TED 450	Teach Technology in Secondary Sch	3	Cal U		TED BS SP	1A7
	Teach Technology in Elementary Sch	3	Cal U		ieu bo op	VI
TED 461	Technology Education Student Teach	10	Cal U	•		
TED 462	Professional Practices in TED	3]	Cal U			

Bachelor of Science in Education Degree (123 credits)

Eight Semester Course Sequence

FRESHMAN Semester 1 Semester 2 Prefix Number Course Prefix Number Course English Composition I ENG 102 English Composition II 3 ENG 101 3 MAT 181 College Algebra MAT 191 College Trigonometry 3 3 105 Communicating Technical Designs TED 111 Information Systems 3 TED TED 226 3 TED 100 Intro to Technology Education 3 Apps. & Process Engineer. Mats. Engineer. Materials & Prod. Design 3 TED 210 TED 126 Design & Appropriate Technology 3 UNI 100 First Year Seminar 15 16

SOPHO		Semester 3*				Semester 4**	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3	EDU	310	Teaching In Multicultural Society	3
PSY	100	General Psychology	3	PSY	208	Educational Psychology	3
i i		General Education	9	TED	300	Assessment & Instruction in TED	3
1 1						General Education	7
1 1							l 1
			!!!				1
		Total	15			Total	16

^{*}Praxis exams should be taken during or immediately following the third semester.

^{**}Students should apply for Admission to Teacher Education during the fourth semester.

JUNIOR		Semester 5				Semester 6	
Prefix	Number	Course	Cr.	Prefix	Number		Cr.
EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
TED	316	Structural Design	3	TED	346	Digital Communications	3
TED	335	Transportation Systems	3			General Education	3
ļ		Technical/Technological Elective	3			Technical/Technological Elective	3
		•		į į			1
		Total	15			Total	15

SENI			Semester 7				Semester 8	
Pre	fix]	Number	Course	Cr.	Prefix	Number	Course	Cr.
TEI	D	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TE	D	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
TE	D	450	Teach. Tech-Secondary Sch	3		• .		
TE	D	500	Teach. Tech-Elementary Sch	3			j l	1
	ı		Technical/Technological Elective	3	· .			
	ı		_				[
			Total	15			Total	13

Robotics to Technology Education - Bachelor of Science in Education (120 credits)

Name:			_Entry	/:		טו:	
Email:	,		'hone):			
			-				
GENERA	L EDUCATION (50-51 Credits):	Cr	s Grade			Crs	Grade
	Sense of Community - 1 credit				Courses:		
EGR 100	Engineering Seminar	_ 1	CCAC			3	_Cal U
				MAT 116	• • • • • • • • • • • • • • • • • • • •	. 4	CCAC
Critical T	<u>hinking Skills</u> - 3 credits			TED 105		3	
TED 426	Manufacturing Enterprise*	_ 3	Cal U			3	
				TED 126		3	
Communi	ication Skills - 6 credits			TED 226	,	3	
ENG 101	Composition I *	_ 3	CCAC	-	· · · · · · · · · · · · · · · · · · ·	3	·
ENG 106	Report Writing	3	CCAC			3	
,				TED 346		3	
<u>Public Sp</u>	<u>eaking</u> - 3 credits			TED 436	Engineering Design & Development	3	
		3		_			
		_			<u>echnological Electives</u> - 9 credits		
<u>Mathemat</u>	ics - 3 credits			EET 103	Intro Electronics	3	CCAC
MAT 114	Math for Techologies 1	4	CCAC		Robotics Control Systems	4	CCAC
				MET 170	Fluid Power Systems	4	CCAC
Natural Sc	ilences - 7-8 credits**						
PHY 113	Technical Physics 1	3	CCAC	ELECTIV	E (3 Credits)		
PHY 114			CCAC		Technical Computing	3	CCAC
		•				 , .	
Social Sci	ences - 6 credits			Annoved T	echnical/Technological Electives:		
PSY 101	Intro to Psychology	3	CCAC		42, 241, 242, THE 141, CSC 120 or above		
PSY 208	Educational Psychology*				GCT, GET, ITE, MMT or TED course not already r	equiped h	,
. 0. 200	Eddoudiller i bybliology		- Cai C		any other courses approved by the advisor	oquilou D	
Humanitia	s 3 credits			wie inagoi, or	any owner courses approved by the device.		
8 055 11 8 8 8 11 11 12 14 14 14 14 14 14 14 14 14 14 14 14 14	Humanities - Literature	3	CCAC	*Bearings e	ourses that must be completed.		
 .	Thursday - Eliciatore		OOMO	Medianem e	water that much be completed.		
Eine Arfe	2 aradita			***************	Ten Complete and 4 contint AP and are LAP at CC	HENCE	
FINE ARE	- 3 credits	_			nce: Complete one 4-credit LAB and one LAB or SC	ience.	
		3			BIO 115, BIO 206, CHE 101, PHY 121		
B.G 14.7 14				SCIENCE (3	3 crs) EAS 163, ENS 101, PHS 120, PHS 137		
	ral Awareness - 3 credits						
EDU 310	Teaching in a Multicultural Society *	3.	Cal U		Teacher Education - must be approved at 48 - 65 c	redits	
				2.80 GPA ove	erali .		
<u>Values</u> - 3					ades in 6 credits of math	•	
TED 210	Design & Appropriate Technology *	3	Cal U	C or better gr	ades in 6 credits of composition/English liteatur	е	
		-		C or better gr	ade in TED 100	•	
	<u>ical Literacy</u> - 6 credits			Speech and h	nearing test		
TED 302	Energy & Control Systems *				t 34, Act 114 and Act 151 clearances		
TED 316	Structural Design *	3 -	Cal U	Pass Praxis e	mams in Reading, Writing, Math		
		•			.		
<u> Health & W</u>	<u>leliness</u> - 3 credits			Recommendat	tion for Student Teaching - required 1 semester pr	ior	
HPE 314	First Aid & Personal Safety *	3	Cal U	Due Jun. 1 fo	r Fall, Nov. 1 for Spring		
		•		3.00 GPA ove	rall (at time of application & start of student tea	ching)	
Nriting Co	mponent Courses - 2 courses				ade in each TED course	•	
	ED 451 listed below in the Professional Preparal	tion		TB test			
	nated Upper-Division Writing Component Course				TED exam and Fundamental Subjects exam		
	,,				4, 114 & 151 clearances, valid thru student tead	hina	
PROFESSIO	ONAL PREPARATION (28 Credits)				ility insurance policy		
	Mainstreaming Exceptional Learners	_	Cal U	A: Himsiliga	in a made in a honor		
	Introduction to Technology Education			EYTPA COIII			
	——————————————————————————————————————	_		EXTRA COU	RSES Free Electives	78 f	CAC
	Assessment & Instruction in TED	_		ELC 162	1-100 110011409	20 (
_	Teach Technology in Secondary Sch	_	CalU		Ten be emay		
	Teach Technology in Elementary Sch	_	Cal U		TED BS SP07		
			Cal U				•
TED 462	Professional Practices in TED	3 _	Cal U				

Bachelor of Science in Education Degree (123 credits)

Eight Semester Course Sequence

FRESHMAN		Semester 1				Semester 2	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ENG	101	English Composition I	3	ENG	102	English Composition II	3
MAT	181	College Algebra	3	MAT	191	College Trigonometry	3
TED	105	Communicating Technical Designs	3	TED	111	Information Systems	3
TED	100	Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3
TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3
UNI	100	First Year Seminar	1				
		Total	16			Total	15

SOPHOMORE		Semester 3*				Semester 4**	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ITE		Intro to Automation	3	EDU	310	Teaching In Multicultural Society	3
PSY	100	General Psychology	3	PSY	208	Educational Psychology	3
1 1		General Education	9	TED	300	Assessment & Instruction in TED	3
1 1			ł	ľ		General Education	7
			1				İ
*		Total Total	15	-		Total	16

^{*}Praxis exams should be taken during or immediately following the third semester.

^{**}Students should apply for Admission to Teacher Education during the fourth semester.

i	JUNIOR		Semester 5				Semester 6	
1	Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
	EDU		Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
	TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
	TED	316	Structural Design	3	TED	346	Digital Communications	3
	TED	335	Transportation Systems	3			General Education	3
			Technical/Technological Elective	3		,	Technical/Technological Elective	3
			Total	15			Total	15

SENIOR		Semester 7				Semester 8	
Prefix	Number		Cr.	Prefix	Number	Course	Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
TED	436	Engineering Design & Develop	3	TED	462	Prof Practices in Tech Ed	3
TED	450	Teach. Tech-Secondary Sch	3			· ·	l
TED	500	Teach. Tech-Elementary Sch	3				
		Technical/Technological Elective	3				
		Total	15			Total	13

Sci & Tech to Technology Education - Bachelor of Science in Education (120 credits)

Name:		Entr	y:		ID:		
Email:		_>hon	e:		_		
GENERAL EDUCATION (50-51 Credits):C	rs Grad	e MAJOR	(39 Credits)	c	rs	Grade
Bullding a Sense of Community - 1 credit				Courses:			
EGR 100 Engineering Seminar *		CCA			5	3	Cal U
	_ `		MAT 116	•			CCAC
Critical Thinking Skills - 3 credits			EDD 101		5	_	CCAC
TED 426 Manufacturing Enterprise*	3	Cal U		Information Systems	3	<u>-</u> غ	
			TED 126	Engineering Materials & Product Des	sian 3	3 —	
Communication Skills - 6 credits			MET 112		g 1	4 7	CCAC
ENG 101 Composition I *	3	CCAC			3	3 —	
ENG 102 Composition II OR ENG 108 Report Write		CCAC			3	· —	
			TED 346	Digital Communications	3	· —	
Public Speaking - 3 credits			TED 436	Engineering Design & Development	3	<u>;</u> —	
	3	Cal U			. •	_	
				echnological Electives - 9 credits			
Mathematics - 3 credits			EET 103	Intro to Electronics	3	3 (CCAC
MAT 114 Math for the Technologies 1 *	4	CCAC		intro to CAD			CCAC
Wall (1) Made 101 the Foothers (1)	- '			Project Fabrication			CCAC
Natural Sciences - 7-8 credits**				,			
CHM 109 Intro to Chem	A	CCAC	ELECTIV	E (3 Credits)			
PHY 113 Technical Phayois 1	_	CCAC		Technical Computing	2		CCAC
FITT TO TECHNOLITINGS	- ~	-	<u> </u>	1 CONTINUE CONTINUE S			/0/10
Social Salanges - 6 gradiés			A				
Social Sciences - 6 credits	_	00.50		echnical/Technological Electives:			
PSY 101 Intro to Psychology* PSY 208 Educational Psychology*				42, 241, 242, THE 141, CSC 120 or at			
PST 208 EQUICATION PSYCHOLOGY	_	Caro		, GCT, GET, ITE, MMT or TED course not		idniu	8 0
Unmerities 2 stadits			by the major,	or any other courses approved by the	advisor		
Humanities - 3 credits	_						
# Any Humanites Elective	_ 3	CCAC		ourses that must be completed.			
·				·			
Fine Arts - 3 credits				nce: Complete one 4-credit LAB & one LA		NCE	·-
	_ 3	CalU		BIO 115, BIO 206, CHE 101, PHY 12			
	•		SCIENCE (3	crs) EAS 163, ENS 101, PHS 120, P	HS 137		
<u> Multicultural Awareness</u> - 3 credits							
EDU 310 Teaching in a Multicultural Society *	3	Cal U	Admission to	Teacher Education-must be approved at	48-65 cred	lits	
	•		2.80 GPA ove	erall			
<u>Values</u> - 3 credits			C or better gn	ades in 6 credits of math			
TED 210 Design & Appropriate Technology *	3	Cal U	C or batter on	ades in 6 credits of composition/Englis	h liteature	>	
				ade in TED 100			
Technological Literacy - 6 credits			Speech and h				
TED 302 Energy & Control Systems *	3	Cal U		8 34, Act 114 and Act 151 clearances			
TED 316 Structural Design *	3 '	- 1 I I	'	xams in Reading, Writing, Math			
				value in transming, retuing, inca.			
Health & Wellness - 3 credits			Recommendat	tion for Student Teaching - required 1 se	mester pri	ог	
HPE 314 First Aid & Personal Safety *	3	Calli		r Fall, Nov. 1 for Spring			
	٠.			all(at time of application & start of stude	ant teachi	ina)	
Writing Component Courses - 2 courses				and in each TED course	SHIL LEGICIH	11 9 7	
ED 450 and TED 451 listed below in the Professional Prepare	ation		•	rue III each 1 ED course			
lock are designated Upper-Division Writing Component Coun		,	TB test	TED assists and Espainmental Cubicat			
nory are sessitivated obbor-pialaton satiring combosistic conti	»US.			TED exam and Fundamental Subject		:	
DOFFCCIONAL DDFDADATION 129 A				4,114 & 151 clearances, valid thru stud	ent teachi	пg	
PROFESSIONAL PREPARATION (28 Credits	-	A-111	Pi million læbi	lity insurance policy			
EDU 340 Mainstreaming Exceptional Learners	3_	Cal U					
TED 100 Introduction to Technology Education	3_		#-If ENG 106	is taken, Humanities must be a literatu	re.		
TED 300 Assessment & Instruction in TED	3 _	Cal U					
TED 450 Teach Technology in Secondary Sch	-	Cal U					
TED 451 Teach Technology in Elementary Sch	3]		EXTRA COU	RSES			
	10	Cal U	ELC 162	Free Electives		CC	AC
TED 462 Professional Practices in TED		Cal U		TED BS SI	P07		

Bachelor of Science in Education Degree (123 credits)

Eight Semester Course Sequence

FRESHMAN		Semester 1				Semester 2					
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.				
ENG	101	English Composition I	3	ENG	102	English Composition II	3				
MAT	181	College Algebra	3	MAT	191	College Trigonometry	3				
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TED	100	Intro to Technology Education	3	TED	226	Apps. & Process Engineer. Mats.	3				
TED	126	Engineer. Materials & Prod. Design	3	TED	210	Design & Appropriate Technology	3				
UNI	100	First Year Seminar	1								
		Total	16			Total	15				

SOPHOMORE		Semester 3*				Semester 4**	
Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
ITE	250	Intro to Automation	3	EDU	310	Teaching In Multicultural Society	3
PSY	100	General Psychology	3	PSY	208	Educational Psychology	3
		General Education	9	TED	300	Assessment & Instruction in TED	3
				1 1		General Education	7
		• •]			
<u>-</u>		Total	15			Total	16
	Prefix	Prefix Number	Prefix Number Course ITE 250 Intro to Automation PSY 100 General Psychology General Education	Prefix Number Course Cr. ITE 250 Intro to Automation 3 PSY 100 General Psychology 3 General Education 9	Prefix Number Course Cr. Prefix ITE 250 Intro to Automation 3 EDU PSY 100 General Psychology 3 PSY General Education 9 TED	Prefix Number Course Cr. Prefix Number ITE 250 Intro to Automation 3 EDU 310 PSY 100 General Psychology 3 PSY 208 General Education 9 TED 300	Prefix Number Course Cr. Prefix Number Course ITE 250 Intro to Automation 3 EDU 310 Teaching in Multicultural Society PSY 100 General Psychology 3 PSY 208 Educational Psychology General Education 9 TED 300 Assessment & Instruction in TED General Education General Education General Education

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^{**}Students should apply for Admission to Teacher Education during the fourth semester.

ì	JUNIOR		Semester 5				Semester 6	
4	Prefix	Number	Course	Cr.	Prefix	Number	Course	Cr.
į	EDU	340	Mainstreaming Exceptional Learn	3	HPE	314	First Aid & Personal Safety	3
	TED	302	Energy & Control Systems	3	TED	304	Designs in Bio-Related Tech	3
	TED	316	Structural Design	3	TED	346	Digital Communications	3
	TED	335	Transportation Systems	3			General Education	3
İ			Technical/Technological Elective	3			Technical/Technological Elective	3
1	I		J				•	
Ł	·		Total	15			Total	15

SENIOR	<u> </u>	Semester 7				Semester 8	
Prefix	Number	Course	Cr.	Prefix		Course	Cr.
TED	426	Manufacturing Enterprise	3	TED	461	Technology Education Stud Teach	10
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		Total	15			Total	13