

California Polytechnic State University
San Luis Obispo

Courses completed by Ronald D. Kriz for the
Degree of Bachelors of Science
in
Aeronautical Engineering

Aeronautical Engineering

<u>Course</u>	<u>Topic</u>	<u>Credits</u>
AERO 124	Power Plants	3
AERO 125	Materials Fabrication	3
AERO 126	Aeronautical Laboratory	3
AERO 207	Strength of Materials	5
AERO 252	Engineering Problem Analysis	1
AERO 229	Strength of Materials Laboratory	1
AERO 322	Analogue Computer Techniques	3
AERO 324	Stress Analysis I	4
AERO 301	Fluid and Thermodynamics I	5
AERO 302	Fluid and Thermodynamics II	5
AERO 325	Stress Analysis II	4
AERO 303	Fluid and Thermodynamics III	5
AERO 306	Aerodynamics	5
AERO 461	Senior Project I	2
AERO 444	Design Laboratory I	4
AERO 462	Senior Project II	2
AERO 401	Propulsion Systems	5
AERO 445	Design Laboratory II	4
AERO 240	Additional Engineering Laboratory	1
AERO 415	Stability and Control	3
AERO 408	Advanced Structural Analysis	4
AERO 417	Structural Dynamics	4

Mechanical and Electrical Engineering

ME 211	Engineering Mechanics I (statics)	3
ME 212	Engineering Mechanics II (dynamics)	3
ME 316	Mechanical Vibrations	4
MM 301	Theory of Materials	3
EL 101	Elements of Electronics	2
EL 213	Introduction to Circuit Analysis	3
EL 253	Circuits Laboratory	1
EL 321	Electronics	4
EL 209	Electronic Devices	Audit

Physics

PHYS 131	General Physics I	4
PHYS 132	General Physics II	4
PHYS 133	General Physics III	4

Mathematics and Computer Science

<u>Course</u>	<u>Topic</u>	<u>Credits</u>
MATH 117	Math for Engineers	5
MATH 141	Calculus I	4
MATH 142	Calculus II	4
MATH 143	Calculus III	4
MATH 241	Calculus and Descriptive Geometry	4
MATH 242	Differential Equations	4
MATH 318	Advanced Engineering Math	4
CSC 332	Numerical Methods (Ordinary Differential Equations)	3
CSC 333	Numerical Analysis (Partial Differential Equations)	3

Chemistry and Biology

CHEM 321	General Chemistry I	4
CHEM 322	General Chemistry II	4
BIO 110	Applied Biology	4

Other Courses 103

Total Credits 257

CALIFORNIA POLYTECHNIC STATE UNIVERSITY
San Luis Obispo, California

APPLICATION FOR GRADUATION

DATE: October 24, 1973

Name as student wants it to appear on the diploma:

Ronald
First Name

Dean
Middle Name or Initial

Kriz
Last Name

Permanent Number (84306) Date of Birth 8/7/48

Application is made for B. S. Degree Certificate in Aeronautical Engineering

to be awarded at the close of winter quarter 1973-74 (school year).

REMAINING GRADUATION REQUIREMENTS

FALL QTR
Aero 415----- 3
Aero 240----- 2
Aero 417----- 4
Aero 408----- 4

WINTER QTR
Aero 401----- 4
Aero 462----- 2E
Aero 404----- ~~4~~

*one ✓
no*

Total Units Attempted 25 1/2 DATE DEGREE AWARDED _____
Total Units Completed 25 7/2 DATE DIP SENT/PICKED UP _____
Total Grade Points 81 3/2 FINAL GPA _____ IBM _____
* Average at Cal Poly 3.23 DEGREE POSTED ON PRC _____
* Average Overall 3.20 Application issued by H. Hunter
* Average in Major 3.30
* Must have at least 2.0 in all classifications.

I acknowledge that it is my responsibility to complete all the courses above and I will notify the Records Office if any of these requirements are changed because of deviation, petition, additional transfer credit, challenge or for any other reason.

Student's Signature Ronald D. King

Dept. Heads' Approval [Signature] (Signature) _____ (Second Major Signature)

Placement Office (Adm. 213) Susan Fleming (Signature)

CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CALIFORNIA

NAME: KRIZ RONALD DEAN
 MAJOR: AERONAUTICAL ENGR.
 PERMANENT NUMBER: 68-4 B430

SEX: M BIRTH DATE: 08/07/43 DEGREE IS: 1210 WEST 28TH STREET
 LOS ANGELES, CALIFORNIA

ENTRIES SHOW QUARTER UNITS
 DEPARTMENT & NO. COURSE TITLE GRADE UNITS GRADE POINTS

DEPARTMENT & NO.	COURSE TITLE	GRADE	UNITS	GRADE POINTS
684 84306	FALL 68			
MP 141	MFG PROCESSES	A	1.0	4.0
BIO 110	APPL BIOLOGY	B	3.0	9.0
MATH 117	MATH FOR ENGR	B	5.0	15.0
AERO 124	POWR PLANTS	B	3.0	9.0
ENG 105	FRESHMAN COMP	C	3.0	6.0
PE 241	HANDBALL M	C	1.0	1.0

OVERALL

G.P.A.	UNITS COMP.	UNITS ATT.	GRADE POINTS (SUM, G.P.A.)	CUR. G.P.A.
3.19	148.5	67.5	220.0	3.26
CUM. G.P.A. 3.06				

WTR. 69

DEPARTMENT & NO.	COURSE TITLE	GRADE	UNITS	GRADE POINTS
684 84306	FALL 69			
CHEM 321	GEN CHEMISTRY	A	4.0	16.0
MATH 141	ANALYTIC CALC	A	4.0	16.0
MP 142	MFG PROCESSES	A	1.0	4.0
AERO 125	MATERIALS FAB	B	3.0	9.0
PSY 202	GENERAL PSYCH	B	3.0	9.0
ENG 207	INTRO LIT	C	2.0	4.0

OVERALL

G.P.A.	UNITS COMP.	UNITS ATT.	GRADE POINTS (SUM, G.P.A.)	CUR. G.P.A.
3.17	164.5	83.5	268.0	3.21
CUM. G.P.A. 3.00				

TRANSFER UNITS ACCEPTED

YEAR ATTENDED	COLLEGE	UNITS ATTENDED	UNITS COMPLETED	GRADE POINTS
1966-68	L.A. TRADE TECH. COLL	81.0	81.0	253.5

MARKS: AFTER JULY 1967 E GRADES NOT COMPUTED IN GPA
 JAN 15 1971 MAY 6 1971
 APR 26 1972
 REGISTERED

WITHDREW SEP 14 1971
 ENTERED SEP 19 1968

RECEIVED
 FEB 1 1974
 GREAT SCHOOL

OVERALL

G.P.A.	UNITS COMP.	UNITS ATT.	GRADE POINTS (SUM, G.P.A.)	CUR. G.P.A.
3.19	148.5	67.5	220.0	3.26
CUM. G.P.A. 3.06				

OVERALL

G.P.A.	UNITS COMP.	UNITS ATT.	GRADE POINTS (SUM, G.P.A.)	CUR. G.P.A.
3.17	164.5	83.5	268.0	3.21
CUM. G.P.A. 3.00				

OVERALL

G.P.A.	UNITS COMP.	UNITS ATT.	GRADE POINTS (SUM, G.P.A.)	CUR. G.P.A.
3.17	164.5	83.5	268.0	3.21
CUM. G.P.A. 3.00				

G.P.A. 000084306		WTR. 70		684 551		WNTR71		59/3		1							
ENGR 250	PHIL 201	PHIL 202	AERO 207	MATH 318	AERO 252	EL 321	CSC 333	AERO 302	AERO 325	EL 4.0	CSC 12.0	AERO 9.0	AERO 15.0	MATH 8.0	AERO 32.0		
DIG COMP APPL			INTRODUCTION			LOGIC			STRENGTH MAT			ADV ENGR MATH			ENG PROB ANAL		
STR MAT LAB			MECH VIBRATION			NUMERICAL MET			ANAL COMP TEC			INTR CIRC ANA			CIRCUITS LAB		
OVERALL		CAL POLY		OVERALL		CAL POLY		OVERALL		CAL POLY		OVERALL		CAL POLY			
G.P.A.	UNITS COMP.	UNITS ATT.	GRADE POINTS	SUM.	G.P.A.	UNITS ATT.	GRADE POINTS	SUM.	G.P.A.	UNITS COMP.	UNITS ATT.	GRADE POINTS	SUM.	G.P.A.	UNITS ATT.	GRADE POINTS	SUM.
3.15	181.5	100.5	319.0	3.17	3.00	17.0	51.0	3.17	225.5	714.5	144.5	461.0	3.193.44	16.0	55.0		
684	000084306	SPR. 70								684	551	SPRG71					
AERO 229	ME 316	CSC 332	A 322	EL 213	EL 253	A 1.0	4.0	B 4.0	B 3.0	B 3.0	B 3.0	B 3.0	B 1.0	A 4.0	B 12.0	B 9.0	B 9.0
OVERALL		CAL POLY		OVERALL		CAL POLY		OVERALL		CAL POLY		OVERALL		CAL POLY		OVERALL	
3.15	196.5	115.5	365.0	3.16	3.07	15.0	46.0	3.16	238.5	744.5	154.5	491.0	3.193.00	10.0	30.0		
684	551	FALL 70								684	551	SUMR71					
ERD 324	D 153	ERJ 301	M 301			A 4.0	16.0	A 1.0	B 4.0	B 5.0	B 6.0	A 3.0	A 3.0	A 4.0	A 15.0	A 15.0	A 8.0
STRESS ANAL			MFG PROCESSES			AERO THERMO			THEORY MATRL			SENIOR PROJ					
OVERALL		CAL POLY		OVERALL		CAL POLY		OVERALL		CAL POLY		OVERALL		CAL POLY		OVERALL	
3.15	209.5	209.5	659.5	128.5	400.0	13.0	41.0	3.17	240.5	752.5	156.5	495.0	3.194.00	2.0	8.0		

UNIVERSITY OF CALIFORNIA
SAN LUIS OBISPO, CALIFORNIA

NAME: KRIZ, RONALD DEAN
SEX: M BIRTH DATE: 8/7/48
MAJOR: AERONAUTICAL ENGINEERING
PERMANENT NUMBER: 551-84306

MARKING SYSTEM: F = Failure, W = Withdraw Pending, WE = Withdraw Failing, AU = Audit, P = Pending
ENTRIES: SHOW QUARTER UNITS

DEPARTMENT & NO.	COURSE TITLE	GRADE	UNITS	GRADE POINTS	DEPARTMENT & NO.	COURSE TITLE	GRADE	UNITS	GRADE POINTS
	GRADING AND MARKING SYSTEM					Effective July 1, 1973			
		A = Superior	4	W = Withdrawn					
		B = Good	3	AU = Audit					
		C = Acceptable	2	RD = Report Delayed					
		D = Poor	1	SP = Satisfactory Progress					
		F = Failure	0	CR = Credit					
		I = Incomplete	0	NC = No Credit					

STUDENT PARTICIPATED IN A UNIVERSITY AND NORTH AMERICAN ROCKWELL SPONSORED INTERNSHIP PROGRAM FALL QUARTER 1972.

UNITS COMP.	UNITS ATT.	GRADE POINTS	CAL POLY UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUM. G.P.A.
253.5	250.5	797.5	169.5	544.0	3.20	3.46
551	---	---	---	---	---	---
444		DESIGN LAB				
442		COMPRESS FLOW				
402		HUMN VLU ENGR				
462		SENIOR PROJ				
401		PROPL SYSTEMS				

UNITS COMP.	UNITS ATT.	GRADE POINTS	CAL POLY UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUM. G.P.A.
253.5	250.5	797.5	169.5	544.0	3.20	3.46
551	---	---	---	---	---	---
445		DESIGN LAB				
463		UNDERGRAD SEM				

UNITS COMP.	UNITS ATT.	GRADE POINTS	CAL POLY UNITS ATT.	GRADE POINTS	CUM. G.P.A.	CUM. G.P.A.
259.5	256.5	821.5	175.5	568.0	3.23	4.00

YEAR ATTENDED	COLLEGE	UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS

OVERALL G.P.A. 3.21, 271.5, 268.5, 861.5, 187.5, 608.0, 3.24, 3.33, 12.0, 40.0

REMARKS: AFTER JULY 1967 E GRADES NOT COMPUTED IN G.P.A.

Registrar