

C. Berkeley - Drop Out /  
Grades 1959-62

Dismissal  
Transcript

JSC Grades 1963-1965  
Transcript

Univ. of Denver

College of Letters and Science, University of California, Berkeley  
See Circular of Information for detailed statement of A.B. degree requirements

### STATUS SLIP

(Name) Andrade, Joseph D. Jr.

STATEMENT OF REQUIREMENTS FOR A.B., as of 6/61

Minimum units required for A.B. Degree	120
Total units transfer credit	—
Total units completed in U.C.	<u>65 1/2</u>
Total credit	<u>65 1/2</u>
Deducted account	—
Total units accepted (including <u>1</u> non L & S)	<u>65 1/2</u>
Remaining units required	<u>54 1/2</u>

Program to be completed must include 36 units upper division Letters and Science, 24 units for breadth requirements, and may include not more than 11 non Letters and Science units. (Major requirements may increase remaining units required.)

GENERAL UNIVERSITY REQUIREMENTS: Check if completed

Subject A

American History

American Institutions

Military Science: See Registration Card.

#### BREADTH REQUIREMENTS

Units Completed

- Foreign language (12 units in one language required).....  
High School: Placement examination required in.....  
College: Slavic 12
- English Reading & Composition (6 units required)..... 6
- Mathematics. Check if completed   
~~MATHEMATICS REQUIRED FOR GRADUATION AFTER JANUARY 1964~~
- Natural Science (12 units required)..... 9  
including: 2 units laboratory  Check  
Physical Science (3 units)  if  
Biological Science (3 units)  completed
- Social Science (12 units required)..... 3  
..... units history completed.
- Humanities (12 units required)..... —  
..... units history and ..... units performing arts completed.

MAJOR REQUIREMENTS: See your adviser.

L. CONSTANCE, Dean

per TM, date 7/18/61

*Declaration of Major approved as of 6/61*

## SEMESTER REPORT

NAME	SEMESTER ENDING	SEX	STATUS	CURRIC.
ANDRADE JOSEPH DAVIL	JANUARY 1960	1	1	1

DEPARTMENT	COURSE NO.	UNITS	GRADE
SLAVIC	1	4	C
SPEECH	1A	3	B.
PHYS ED	1	3.5	C
ANTHRO	1	3	C
MATH	3A	3	C
AIR SCI	1A	2	B.

## SEMESTER REPORT

NAME	SEMESTER ENDING	SEX	STATUS	CURRIC.
ANDRADE JOSEPH DAVIL	JUNE 1961	1	1	1

DEPARTMENT	COURSE NO.	UNITS	GRADE
AIR SCI	21B	3.5	C
MATH	4H	3	C
PHYS ED	1	3.5	B
SOC SCI	1B	3	B
PHYSICS	4C	4	C
CHEM	1B	5	C

## SEMESTER REPORT

NAME	SEMESTER ENDING	SEX	STATUS	CURRIC.
ANDRADE JOSEPH DAVIL	JUNE 1960	1	1	1

DEPARTMENT	COURSE NO.	UNITS	GRADE
SPEECH	1B	3	B
PHYSICS	4A	4	C
SLAVIC	2	4	D
AIR SCI	1B	2	C
MATH	3B	3	C

## SEMESTER REPORT

NAME	SEMESTER ENDING	SEX	STATUS	CURRIC.
ANDRADE JOSEPH DAVIL	JANUARY 1962	1	1	1

DEPARTMENT	COURSE NO.	UNITS	GRADE
ECON	1A	3	C
MATH	122	3	C
PHILOS	12	4	C
MATH	119	3	C



**CERTIFICATE OF HONORABLE DISMISSAL**

(See explanatory note on reverse)

*To:*

Mr. Joseph Davilla Andrade, Jr.  
33757 - 12th Street  
Union City, California

This certifies that the person herein named, who discontinued his studies in the University of California, Berkeley, on March 7, 1962, is hereby granted an honorable dismissal.

This certificate is issued subject to the conditions set forth in the explanatory note on the reverse side hereof, and to such other conditions as may be imposed by the University.

**SEMESTER REPORT**

NAME	SEMESTER ENDING	SEX	STATUS	CURRIC.
ANDRADE JOSEPH DAVIL	JANUARY 1961	1	1	1

DEPARTMENT	COURSE NO.	UNITS	GRADE
SLAVIC	3	4	D
CHEM	1A	5	B
MATH	4A	3	B
PHYSICS	4B	4	C
AIR SCI	21A	2	B



ANDRADE JOSEPH DAVILLA JR

LS\*Math

DECOTO

Name

School or Co

HAYWARD

Home

Place and

Descriptive Title	Department	Course No.	Grade	Units	Grade Points	Code
FALL SEMESTER 1959						
PHYS ED ACTIVITIES	PHYS ED	1	C	.5	1	
PHYS,BIOL FACTORS	ANTHRO	1	C	3	6	
ELEM RUSSIAN	SLAVIC	1	C	4	8	
ELEMENTS OF SPEECH	SPEECH	1A	B	3	9	
AN GEOM,CALC-CRSE 1	MATH	3A	C	3	6	
AIR SCIENCE I	AIR SCI	1A	B	2	6	
1-60 GD PT BAL	5			15.5	36	
SPRING SEMESTER 1960						
ELEMENTS OF SPEECH	SPEECH	1B	B	3	9	
AN GEOM,CALC-CRSE 2	MATH	3B	C	3	6	
GENERAL PHYSICS	PHYSICS	4A	C	4	8	
ELEM RUSSIAN	SLAVIC	2	D	4	4	
AIR SCIENCE I	AIR SCI	1B	C	2	4	
6-60 GD PT BAL	4			31.5	67	
FALL SEMESTER 1960						
INTERMED RUSSIAN	SLAVIC	3	D	4	4	
GENERAL PHYSICS	PHYSICS	4B	C	4	8	
AN GEOM,CALC-CRSE 3	MATH	4A	B	3	9	
GENERAL CHEMISTRY	CHEM	1A	B	5	15	
AIR SCIENCE II	AIR SCI	21A	B	2	6	
1-61 GD PT BAL	10			49.5	109	
SPRING SEMESTER 1961						
AIR SCIENCE II	AIR SCI	21B	C	.5	1	
INTROD TO SOC SCI	SOC SCI	1B	B	3	9	
GENERAL PHYSICS	PHYSICS	4C	C	4	8	
AN GEOM,CALC-CRSE 4	MATH	4H	C	3	6	
QUALITATIVE ANALYSIS	CHEM	1B	C	5	10	
PHYS ED ACTIVITIES	PHYS ED	1	B	.5	1.5	
6-61 GD PT BAL	13.5			65.5	144.5	

# UNDERGRADUATE

# REGULAR

Status

9-59

RESIDENT

A482800

College, Major Subject

Date Admitted Resident or Nonresident of Calif.

Identification No.

7-13-41 | JOSEPH DAVILLA ANDRADE

and Date of Birth

Guardian's Name

Descriptive Title	Department	Course No.	Grade	Units	Grade Points	Code
FALL SEMESTER 1961						1
ELEMENTS-ECONOMICS	ECON	1A	C	3	6	2
ADV CALCULUS	MATH	122	C	3	6	3
INTROD TO LOGIC	PHILOS	12	C	4	8	4
DIFFERENTIAL EQUAT	MATH	119	C	3	6	5
1-62 GD PT BAL	13.5			78.5	170.5	6
						7
						8
						9
						10
						11
						12
						13
						14
						15
						16
						17
						18
						19
						20
						21
						22
						23
						24
						25
						26
						27
						28
						29
						30
						31
						32
						33
						34
						35
						36
						37

TH

No

*Clin*

Atte



STUDENT NUMBER		STUDENT NAME		MAJOR		SEMESTER ENDING	
14730		ANDRADE JOSEPH D JR		230 -		1 25 63	
<b>SAN JOSE STATE COLLEGE</b>							
DEPARTMENT	COURSE NO.	COURSE TITLE	UNITS	GRADE	GRADE POINTS	GR.	PTS
MAT SC	25	MATER SCI L&L	040	A	16	A	EXCELLENT 4
MENGR	110	MATH SCI	030	C	12	B	ABOVE AVERAGE 3
EENGR	111	ENGR LEC	040	B	12	C	AVERAGE 2
EENGR	111	ENGR PRF & P	010	A	4	D	BELOW AVERAGE 1
EENGR	111	ENGR LAB	010	B	3	+	PASSED WITHOUT DEFINING GRADE 0
<i>GRACIA</i>			CUMULATIVE		CURRENT SEMESTER	PTS	
130094150410			UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS	GRADING SYSTEM	
130094150410			130	130	41	F FAILED 0 INC. INCOMPLETE 0 AUD. AUDIT W WITHDREW WF WITHDREW FAILING NR NO GRADE REPORTED 0	

STUDENT'S COPY

STUDENT NUMBER		STUDENT NAME		MAJOR		SEMESTER ENDING	
14740		ANDRADE JOSEPH D JR		230 -		8 2 63	
<b>SAN JOSE STATE COLLEGE</b>							
DEPARTMENT	COURSE NO.	COURSE TITLE	UNITS	GRADE	GRADE POINTS	GR.	PTS
CHEM	55S	QUANT ANAL L&L	040	B-	12	A	EXCELLENT 4
CENGR	99S	STATISTICS	030	A	12	B	ABOVE AVERAGE 3
<i>GRACIA</i>			CUMULATIVE		CURRENT SEMESTER	PTS	
20009850650			UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS	GRADING SYSTEM	
20009850650			70	70	24	C AVERAGE 2 D BELOW AVERAGE 1 + PASSED WITHOUT DEFINING GRADE 0 F FAILED 0 INC. INCOMPLETE 0 AUD. AUDIT W WITHDREW WF WITHDREW FAILING NR NO GRADE REPORTED 0	

STUDENT'S COPY

STUDENT NUMBER		STUDENT NAME		MAJOR		SEMESTER ENDING	
14740		ANDRADE JOSEPH D JR		230 -		8 30 63	
<b>SAN JOSE STATE COLLEGE</b>							
DEPARTMENT	COURSE NO.	COURSE TITLE	UNITS	GRADE	GRADE POINTS	GR.	PTS
HIST SC	170S	US HIST	020	A	8	A	EXCELLENT 4
POL SC	1AS	AMER GOVT	020	B	6	B	ABOVE AVERAGE 3
<i>GRACIA</i>			CUMULATIVE		CURRENT SEMESTER	PTS	
24010250790			UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS	GRADING SYSTEM	
24010250790			40	40	14	C AVERAGE 2 D BELOW AVERAGE 1 + PASSED WITHOUT DEFINING GRADE 0 F FAILED 0 INC. INCOMPLETE 0 AUD. AUDIT W WITHDREW WF WITHDREW FAILING NR NO GRADE REPORTED 0	

STUDENT'S COPY

STUDENT NUMBER		STUDENT NAME		MAJOR		SEMESTER ENDING	
12951		ANDRADE JOSEPH D JR		230 -		1 24 64	
<b>SAN JOSE STATE COLLEGE</b>							
DEPARTMENT	COURSE NO.	COURSE TITLE	UNITS	GRADE	GRADE POINTS	GR.	PTS
MAT SC	115	INTRO SOLIDS	040	A-	16	A	EXCELLENT 4
PHYS	122	ATOMIC NUCLEAR PHY	020	B	9	B	ABOVE AVERAGE 3
MENGR	101	DYNAMICS	030	B	9	C	AVERAGE 2
MENGR	108	THEORY	030	B	9	D	BELOW AVERAGE 1
CHES	170A	GEN CHEM LEC	030	A	12	+	PASSED WITHOUT DEFINING GRADE 0
CHES	155	GEN PSYCH	030	B	9	F	FAILED 0
<i>GRACIA</i>			CUMULATIVE		CURRENT SEMESTER	PTS	
42012051420			UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS	GRADING SYSTEM	
42012051420			180	180	63	F FAILED 0 INC. INCOMPLETE 0 AUD. AUDIT W WITHDREW WF WITHDREW FAILING NR NO GRADE REPORTED 0	

STUDENT'S COPY

INC. INCOMPLETED  
 AUD. AUDIT  
 W WITHDREW  
 WF WITHDREW  
 NR NO GRADE  
 F FAILING  
 O REPORTED O

STUDENT'S COPY

CUMULATIVE			CURRENT SEMESTER		
SJSC UNITS ATTEMPTED	TOT UNITS COMPLETED	SJSC GRADE POINTS	UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS
60:0	138:5	206:0	18:0	18:0	64:



OFFICE OF  
 THE REGISTRAR

STUDENT NUMBER	STUDENT NAME	MAJOR	SEMESTER ENDING	
13300	ANDRADE JOSEPH D JR	2355	DAY	YR.
			29	65

SAN JOSE STATE COLLEGE

FINAL  
 GRADE REPORT

DEPARTMENT	COURSE NO.	COURSE TITLE	UNITS	GRADE	GRADE POINTS	GRADING SYSTEM	PTS.
ENGR	104	SEM	01	A	4	EXCELLENT	4
CEN	113	SEARCH	01	C	2	ABOVE	3
MAT	198	TERMAT	02	A	8	AVERAGE	2
PHIL	160	SEM	03	B	9	BELOW	1
MAT	155	LOS & P	05	A	20	PASSED	
MAT	141	LUNALY	03	C	6	WITHOUT	
		L & L				DEFINING	
						GRADE	
						FAILED	
						INC. INCOMPLETED	
						AUD. AUDIT	
						W WITHDREW	
						WF WITHDREW	
						F FAILING	
						NR NO GRADE	
						REPORTED O	

A&M = 3.27  
 30/40

CUMULATIVE			CURRENT SEMESTER		
SJSC UNITS ATTEMPTED	TOT UNITS COMPLETED	SJSC GRADE POINTS	UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS
75:0	153:5	255:0	15:0	15:0	49:

STUDENT'S COPY





OFFICE OF  
THE REGISTRAR

STUDENT NUMBER		STUDENT NAME		MAJOR		SEMESTER ENDING		
13300		ANDRADE JOSEPH D JR		2355		MO.	DAY	YR.
						6	11	65
<b>SAN JOSE STATE COLLEGE</b>								
<b>FINAL GRADE REPORT</b>								
DEPARTMENT	COURSE NO.	COURSE TITLE	UNITS	GRADE	GRADE POINTS	GRADING SYSTEM		
						GR.	PTS.	
MAT SC	195	MECH BEHAV MAT L & L	0.30	B	9	A	EXCELLENT	4
M ENGR	1111	FLUID MECH	0.30	B	9	B	ABOVE AVERAGE	3
HUM	160	CONTEMP ISSUES	0.30	A	12	C	AVERAGE	2
MAT SC	185	ADV MAT SCI	0.30	B	9	D	BELOW AVERAGE	1
MAT SC	198	RES SEM AT SCI	0.20	A	8	+	PASSED WITHOUT DEFINING GRADE	0
PHIL	108	POL & SOC PHILLOS	0.30	A	12	F	FAILED	0
						INC.	INCOMPLETE	0
						AUD.	AUDIT	
						W	WITHDREW	0
						WF	WITHDREW FAILING	0
						NR	NO GRADE REPORTED	0
						CUMULATIVE		
SJSU UNITS ATTEMPTED		TOT. UNITS COMPLETED		SJSU GRADE POINTS		CURRENT SEMESTER		
92.0		170.5		314.0		UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS
						17.0	17.0	59.1

STUDENT NAME	MAJOR	SEMESTER ENDING		
		MO.	DAY	YR.
GRADE JOSEPH D JR	233-	6	5	64

# JOSE STATE COLLEGE

## FINAL GRADE REPORT

COURSE TITLE	UNITS	GRADE	GRADE POINTS	GRADING SYSTEM	
				GR.	PTS.
R REPORTS	02:0	A	8	A	EXCELLENT 4
S CHEM	03:0	A	12	B	ABOVE AVERAGE 3
H OF MATER	03:0	C	6	C	AVERAGE 2
CR GEOM&GRAH AN	02:0	B	6	D	BELOW AVERAGE 1
ALL & HEAT TR L&L	04:0	A	16	+	PASSED WITHOUT DEFINING GRADE 0
ID STATE REACT	03:0	A	12	F	FAILED 0
PTR AN ENGR PRB	01:0	A+	4	INC.	INCOMPLETED
				AUD.	AUDIT
				W	WITHDREW
				WF	WITHDREW FAILING 0
				NR	NO GRADE REPORTED 0
CUMULATIVE			CURRENT SEMESTER		
SJSC UNITS ATTEMPTED	TOT. UNITS COMPLETED	SJSC GRADE POINTS	UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS
60:0	138:5	206:0	18:0	18:0	64:

STUDENT'S COPY

STUDENT NAME	MAJOR	SEMESTER ENDING		
		MO.	DAY	YR.
GRADE JOSEPH D JR	2355	1	29	65

# JOSE STATE COLLEGE

## FINAL GRADE REPORT

COURSE TITLE	UNITS	GRADE	GRADE POINTS	GRADING SYSTEM	
				GR.	PTS.
EM	01:0	A	4	A	EXCELLENT 4
I MATER LAB	01:0	C+	2	B	ABOVE AVERAGE 3
S SEM MAT SCI	02:0	A-	8	C	AVERAGE 2
OS&PERS VALUES	03:0	B	9	D	BELOW AVERAGE 1
LLURG PROC L&L	05:0	A	20	+	PASSED WITHOUT DEFINING GRADE 0
R ANALY L&L	03:0	C	6	F	FAILED 0
				INC.	INCOMPLETED
				AUD.	AUDIT
				W	WITHDREW
				WF	WITHDREW FAILING 0
				NR	NO GRADE REPORTED 0
CUMULATIVE			CURRENT SEMESTER		
SJSC UNITS ATTEMPTED	TOT. UNITS COMPLETED	SJSC GRADE POINTS	UNITS ATTEMPTED	UNITS COMPLETED	GRADE POINTS
75:0	153:5	255:0	15:0	15:0	49:

*ARM = 3.27*  
*30/40*

STUDENT'S COPY



OFFICE OF  
THE REGISTRAR

STUDENT NUMBER: 13300  
 STUDENT NAME: ANDRADE JOSEPH D JR  
 MAJOR: 2355  
 SEMESTER MO.: 6  
**SAN JOSE STATE COLLEGE**

DEPARTMENT	COURSE NO.	COURSE TITLE	UNITS	GRADE	GRADE POINTS	CURRENT SEMESTER	
						UNITS ATTEMPTED	UNITS COMPLETED
MAT	195	BEHAV MAT L & L	030	B	9		
ENGR	111	MECH	030	B	9		
HUM	160	EMPISSUES	030	A	12		
MAT	185	TEMP SCI	030	B	9		
MAT	198	SEM MAT SCI	020	A	8		
PHIL	108	SOC PHILOS	030	A	12		
<b>CUMULATIVE</b>							
S/JSC UNITS ATTEMPTED		TOT. UNITS COMPLETED		S/JSC GRADE POINTS		UNITS ATTEMPTED	UNITS COMPLETED
92.01		170.5		314.0		17.0	17.0
						59	59



DEPARTMENT	COURSE NO.	COURSE TITLE	UNITS	GRADE	GRADE POINTS
ADVANCED STANDING Univ of Calif-Berkeley (1959-61)					
		0      78%      0	78%	78%	170%
	14730	FALL 1962 ANDRADE JOSEPH D JR			
MAT SC	25	MATER SCI L+L	040	A	16
ENGR	6	GRAPHIC SCI	030	A	12
E ENGR	110	PRIN EL ENGR LEC	040	A	16
ENGR	1	ENGR PROF+PRB SOLV	010	A	4
E ENGR	111	PRIN EL ENGR LAB	010	B	4
		130      0915      0410	130	130	41
	14740	SUMMER 1963 6 WK ANDRADE JOSEPH D JR			
CHEM	55S	QUANT ANAL L+L	040	B-	12
C ENGR	99S	STATICS	030	A	12
		200      0985      0650	070	070	24
		7 UNITS 0 K			
	14740	SUMMER 1963 4 WK ANDRADE JOSEPH D JR			
HIST	170S	U S HIST	020	A	8
POL SC	1AS	AMER GOVT	020	B	6
		240      1025      0790	040	040	14
	12951	FALL 1963 ANDRADE JOSEPH D J			
MAT SC	115	INTRO SOLIDS	040	A	16
PHYS	122	ATOMIC NUCLEAR PHY	020	A-	8
M ENGR	101	DYNAMICS	030	B	9
M ENGR	108	THERMODYNAMICS	030	B	9
CHEM	170A	PHYS CHEM LEC	030	A	12
PSY	55	GEN PSYCH	030	B	9
		420      1205      1420	180	180	63
	12951	SPRING 1964 ANDRADE JOSEPH D JR			
ENGR	103	ENGR REPORTS	020	A	8
CHEM	170B	PHYS CHEM	030	A	12
C ENGR	112	MECH OF MATER	030	C	6
ENGR	70	DESCR GEOM+GRAH AN	020	B	6
MAT SC	145	METALL+HEAT TR L+L	040	A	16
MAT SC	151	SOLID STATE REACT	030	A	12
ENGR	50	COMPTR AN ENGR PRB	010	A+	4
		600      1385      2060	180	180	64

4 00290

ANDRADE      JOSEPH      DAVILLA JR

NAME- LAST      FIRST      MIDDLE

ANDRADE Davilla      33757 12th St Union City Alameda Calif

Hayward Calif      NAME AND ADDRESS OF PARENT OR GUARDIAN

BIRTHPLACE      DATE OF BIRTH

Sept 1962      7/13/41

Washington Union H S Fremont Calif      Status      Clear

Graduated (H. S.)      June 1959      High School

English Exam      OK

**Permanent Record Card SAN JOSE STATE COLLEGE San Jose 14, California**

DEPARTMENT      SCHOLARSHIP      GRADUATION

BS: Mgr      BS: Elec Engr      BS: Mat Sci

2/64      2/64      June 11, 1965

BS: Materials      Sci 12/64

Good standing is certified unless otherwise indicated. Cumulative totals include San Jose State College units attempted and grade points only.

OVER

STUDENT NUMBER	DEPARTMENT	COURSE NO.	COURSE TITLE	UNITS	GRADE	GRADE POINTS
TRANSCRIPTS SENT 2-9-65 U. Denver @ Micho. BU @ NMU 2-5-65 S.J.S.C. (Off. of Pres.) 3-9-65 U. S. Pub. Health Serv. 6-30-65 U. Denver @ N.A.S.P. - Am. Research Lab.		13300	FALL 1964 ANDRADE JOSEPH D JR			
		ENGR 104 C ENGR 113 MAT SC 198 PHIL 160 MAT SC 155 MAT SC 141	SR SEM MECH MATER LAB RES SEM MAT SCI PHILOS+PERS VALUES METALLURG PROC L+L MATER ANALY L+L 750 1535 2550	010 010 020 030 050 030 150	A C+ A- B A C 150	4 2 8 9 20 6 49
SCHOLARSHIP		13300	SPRING 1965 ANDRADE JOSEPH D JR			
		MAT SC 195 M ENGR 111 HUM 160 MAT SC 185 MAT SC 198 PHIL 108	MECH BEHAV MAT L+L FLUID MECH CONTEMP ISSUES ADV MATER SCI RES SEM MAT SCI POL SOC PHILOS 920 1705 3140	030 030 030 030 020 030 170	B B A B A A 170	9 9 12 9 6 12 59
MIDDLE						
FIRST						
MISCELLANEOUS						
NAME—LAST						



UNIVERSITY OF DENVER (COLORADO SEMINARY) STUDENT GRADE REPORT

STUDENT NO.	STUDENT NAME	OR.	YEAR	WITHDREW MO.	DAY	SECTION	DEPT. COURSE NUMBER	COLL.	CL.	MAJOR	
E1175	ANDRADE JR JOSEPH D	1	65			101	21-360.	1	4	6	84.
STUDENT NO.	SUBJECT TITLE	THDREW MO.	DAY	SECTION	DEPT. COURSE NUMBER	COLL.	CL.	QUARTER HOURS	GRADE	GRADE POINTS	
E1175	VECTOR ANALYSIS			101	21-360.			5.	B	15.	
E1175	XRAY METALLOGR LAB			181	84-325.2			1.	A	4.	
E1175	TOPICS MOD PHYS MET			181	84-460.			3.	A	12.	
E1175	XRAY METALLOGRAPHY			181	84-325.1			3.	A	12.	
E1175	SMNR PHYSCL MTLRGY			81	84-491.1			.3	A	1.2	
E1175	CORROSION			181	84-435.			3.	A	12.	
	3.673 FOUR POINT SYSTEM							15.3*	A	56.2*	

MARKING SYSTEM

Grade	Points per hour
A - Excellent	4
B - Very Good	3
C - Satisfactory	2
D - Pass	1
F - Failed	0
WF - Withdrawn without prejudice	0

S - following the dept. course number indicates credit is not counted towards a specific graduation requirement until completion of sequential work.

(Incomplete) must be removed by Wednesday of the 4th week of the next following quarter of attendance within one year. A \$5 fee is required with application to remove.

THIS IS NOT AN OFFICIAL RECORD FOR TRANSFER UNLESS SIGNED BY THE REGISTRAR AND EMBOSSED WITH THE UNIVERSITY SEAL.

UNIVERSITY OF DENVER (COLORADO SEMINARY) STUDENT GRADE REPORT

STUDENT NO.	STUDENT NAME	OR.	YEAR	WITHDREW MO.	DAY	SECTION	DEPT. COURSE NUMBER	COLL.	CL.	MAJOR	
E1175	ANDRADE JR JOSEPH D	2	66			181	84-445.1	1	4	6	84.
STUDENT NO.	SUBJECT TITLE	WITHDREW MO.	DAY	SECTION	DEPT. COURSE NUMBER	QUARTER HOURS	GRADE	GRADE POINTS			
E1175	CERAMICS&INTRMTL I			181	84-445.1	3.	A	12.			
E1175	MTLRGCL THERMDYN I			181	84-441.1	3.	B	9.			
E1175	INTRO-FUNCT COMP VAR			101	21-385.	5.	B	15.			
E1175	SMNR PHYSCL MTLRGY			181	84-491.2	.3	A	1.2			
E1175	THEORY OF ALLOYING			181	84-444.	3.	A	12.			
	3.441 FOUR POINT SYSTEM					14.3*	A	49.2*			

MARKING SYSTEM

Grade	Points per hour
A - Excellent	4
B - Very Good	3
C - Satisfactory	2
D - Pass	1
F - Failed	0
WF - Withdrawn without prejudice	0

S - following the dept. course number indicates credit is not counted towards a specific graduation requirement until completion of sequential work.

(Incomplete) must be removed by Wednesday of the 4th week of the next following quarter of attendance within one year. A \$5 fee is required with application to remove.

THIS IS NOT AN OFFICIAL RECORD FOR TRANSFER UNLESS SIGNED BY THE REGISTRAR AND EMBOSSED WITH THE UNIVERSITY SEAL.

UNIVERSITY OF DENVER (COLORADO SEMINARY) STUDENT GRADE REPORT

STUDENT NO.	STUDENT NAME	OR.	YEAR	WITHDREW MO.	DAY	SECTION	DEPT. COURSE NUMBER	COLL.	CL.	MAJOR	
E1175	ANDRADE JR JOSEPH D	3	66			181	84-420.	1	4	6	84.
STUDENT NO.	SUBJECT TITLE	WITHDREW MO.	DAY	SECTION	DEPT. COURSE NUMBER	QUARTER HOURS	GRADE	GRADE POINTS			
E1175	ADV X-RAY DIFFRACT			181	84-420.	3.	A	12.			
E1175	MTLRGCL THERMDYN II			181	84-441.2	3.	A	12.			
E1175	SMNR PHYSCL MTLRGY			181	84-491.3	.4	A	1.6			
E1175	CERAMICS&INTRMTL II			181	84-445.2	3.	A	12.			
E1175	INDEPENDENT STUDY			366	84-499.1	3.	A	12.			
	4.000 FOUR POINT SYSTEM					12.4*	A	49.6*			

MARKING SYSTEM

Grade	Points per hour
A - Excellent	4
B - Very Good	3
C - Satisfactory	2
D - Pass	1
F - Failed	0
WF - Withdrawn without prejudice	0

S - following the dept. course number indicates credit is not counted towards a specific graduation requirement until completion of sequential work.

(Incomplete) must be removed by Wednesday of the 4th week of the next following quarter of attendance within one year. A \$5 fee is required with application to remove.

Mr. Base Super alloys  
 (of) H Co  
 Red paper for study - down - B  
 10/24/66

THIS IS NOT AN OFFICIAL RECORD FOR TRANSFER UNLESS SIGNED BY THE REGISTRAR AND EMBOSSED WITH THE UNIVERSITY SEAL.

UNIVERSITY OF DENVER (COLORADO SEMINARY) STUDENT GRADE REPORT

STUDENT NO.	STUDENT NAME	OR.	YEAR	WITHDREW MO.	DAY	SECTION	DEPT. COURSE NUMBER	COLL.	CL.	MAJOR	
E1175	ANDRADE JR JOSEPH D	1	66			181	84-491.1	1	3	6	84.
STUDENT NO.	SUBJECT TITLE	WITHDREW MO.	DAY	SECTION	DEPT. COURSE NUMBER	QUARTER HOURS	GRADE	GRADE POINTS			
E1175	SMNR PHYSCL MTLRGY			181	84-491.1	.3	A	1.2			
E1175	ADV PHASE EQUILIBRM			181	84-443.	3.	A	12.			
E1175	QUANT MECHANICS I			181	84-439.1	3.	B	9.			
E1175	INDEP RESEARCH			166	84-499.5	6.					
						12.3*	A	22.2*			

MARKING SYSTEM

Grade	Points per hour
A - Excellent	4
B - Very Good	3
C - Satisfactory	2
D - Pass	1
F - Failed	0
WF - Withdrawn without prejudice	0

S - following the dept. course number indicates credit is not counted towards a specific graduation requirement until completion of sequential work.

(Incomplete) must be removed by Wednesday of the 4th week of the next following quarter of attendance within one year. A \$5 fee is required with application to remove.

THIS IS NOT AN OFFICIAL RECORD FOR TRANSFER UNLESS SIGNED BY THE REGISTRAR AND EMBOSSED WITH THE UNIVERSITY SEAL.



MARKING SYSTEM  
Grade Points per hour  
A - Excellent ..... 4  
B - Very Good ..... 3  
C - Satisfactory ..... 2  
D - Passed ..... 1  
F - Incomplete ..... 0  
I - Incomplete ..... 0  
WF - Withdrawn failed ..... 0  
WP - Withdrawn without prejudice

S - following the dept. course number indicates credit is not counted towards a specific graduation requirement until completion of sequential work.

(Incomplete) must be removed by Wednesday of the 4th week of the next following quarter of attendance within one year. A \$5 fee is required for re-enrollment.

STUDENT NO.	ANDRADE JR JOSEPH D	2 67	1 3 6	84.				
STUDENT NO.	SUBJECT TITLE	WITHDREW MO. DAY	SECTION	DEPT. COURSE NUMBER	S	QUARTER HOURS	GRADE	GRADE POINTS
E1175	BIOCHEMISTRY I		101	08-381.1		3.	C	6.
E1175	ADV ANAL-RADIOISOTOP		1	08-327.		4.	A	16.
E1175	ADV PHYS METALLURGY		181	84-330.1		3.	B	9.
E1175	QUANT MECHANICS II		181	84-439.2		3.	B	9.
E1175	SMNR PHYSCL MTLRGY		181	84-491.2	S	.3	A	1.2
E1175	INDEP RESEARCH		267	84-499.5		2.		
						15.3*		41.2*

UNIVERSITY OF DENVER (COLORADO SEMINARY) STUDENT GRADE REPORT

STUDENT NO.	ANDRADE JR JOSEPH D	3 67	1 3 6	84.				
STUDENT NO.	SUBJECT TITLE	WITHDREW MO. DAY	SECTION	DEPT. COURSE NUMBER	S	QUARTER HOURS	GRADE	GRADE POINTS
E1175	ADV PHYS METALLURGY		181	84-330.2		3.	B	9.
E1175	TOPICS MOD PHYS MET		181	84-460.		3.	A	12.
E1175	SMNR PHYSCL MTLRGY		81	84-491.3		.4	A	1.6
E1175	QUANTUM MECHNCS III		181	84-439.3		3.	B	9.
E1175	INDEP RESEARCH		367	84-499.5		5.		
						14.4*		31.6*

MARKING SYSTEM  
Grade Points per hour  
A - Excellent ..... 4  
B - Very Good ..... 3  
C - Satisfactory ..... 2  
D - Passed ..... 1  
F - Incomplete ..... 0  
I - Incomplete ..... 0  
WF - Withdrawn failed ..... 0  
WP - Withdrawn without prejudice

S - following the dept. course number indicates credit is not counted towards a specific graduation requirement until completion of sequential work.

(Incomplete) must be removed by Wednesday of the 4th week of the next following quarter of attendance within one year. A \$5 fee is required with application to remove.

THIS IS NOT AN OFFICIAL RECORD FOR TRANSFER UNLESS SIGNED BY THE REGISTRAR AND EMBOSSED WITH THE UNIVERSITY SEAL.

MARKING SYSTEM  
Grade Points per hour  
A - Excellent ..... 4  
B - Very Good ..... 3  
C - Satisfactory ..... 2  
D - Passed ..... 1  
F - Incomplete ..... 0  
WF - Withdrawn without prejudice ..... 0  
W - Withdrawn without prejudice ..... 0

S - following the dept. course number indicates credit is not counted towards a specific graduation requirement until completion of sequential work.

(Incomplete) must be removed by Wednesday of the 4th week of the next following quarter of attendance within one year. A \$5 fee is required with application to remove.

UNIVERSITY OF DENVER (COLORADO SEMINARY) STUDENT GRADE REPORT

STUDENT NO.	STUDENT NAME	OR YEAR	COLL. CL.	MAJOR
E1175	ANDRADE JR JOSEPH O	4 67	1 3 6	84.

STUDENT NO.	SUBJECT TITLE	WITHDREW MO. DAY	SECTION	DEPT. COURSE NUMBER	QUARTER HOURS	GRADE	GRADE POINTS
E1175	INDEP RESEARCH		467	84-499.5	12.		
					12. #		*

MARKING SYSTEM  
Grade Points per hour  
A - Excellent ..... 4  
B - Very Good ..... 3  
C - Satisfactory ..... 2  
D - Passed ..... 1  
F - Incomplete ..... 0  
WF - Withdrawn without prejudice ..... 0  
W - Withdrawn without prejudice ..... 0

S - following the dept. course number indicates credit is not counted towards a specific graduation requirement until completion of sequential work.

(Incomplete) must be removed by Wednesday of the 4th week of the next following quarter of attendance within one year. A \$5 fee is required with application to remove.

UNIVERSITY OF DENVER (COLORADO SEMINARY) STUDENT GRADE REPORT

STUDENT NO.	STUDENT NAME	OR YEAR	COLL. CL.	MAJOR
E1175	ANDRADE JR JOSEPH O	1 67	1 3 6	84.

STUDENT NO.	SUBJECT TITLE	WITHDREW MO. DAY	SECTION	DEPT. COURSE NUMBER	QUARTER HOURS	GRADE	GRADE POINTS
E1175	INDEP RESEARCH		167	84-499.5	7.		
E1175	SOLIO SURF PHENOMNA		181	84-437.	3.	A	12.
E1175	MET THRM III-ST THR		181	84-441.3	3.	B	9.
E1175	SMNR PHYSICL MTLRGY		81	84-491.1	.3	A	1.2
					13.3*		22.2



STUDENT NO.	STUDENT NAME	OR YEAR	WITHDRAWN MO DAY	SECTION	DEPT. COURSE NUMBER	QUARTER HOURS	GRADE	GRADE POINTS	MAJOR
E1175	ANDRADE JR JOSEPH D	2 68				1	3 6		84.
E1175	SMNR PHYSCL MTLRGY			81	84-491.2	S	3	B	
E1175	TOPICS MOD PHYS MET			181	84-460.		3	A	12.
E1175	KIN MTLRGY REACT I			181	84-442.1		3	B	9.
E1175	SYNTH ORGANIC CHEM			1	08-345.1		3	B	9.
E1175	INDEP RESEARCH 3.323			268	84-499.5		6	D P	
							9.3*		30.9*

THIS IS NOT AN OFFICIAL RECORD FOR TRANSFER UNLESS SIGNED BY THE REGISTRAR AND EMBOSSED WITH THE UNIVERSITY SEAL.

MARKING SYSTEM  
Grade Points per hour  
A - Excellent ..... 4  
B - Very Good ..... 3  
C - Good ..... 2  
D - Pass ..... 1  
F - Failed ..... 0  
WF - Withdrawn Without Penalty  
S - following the dept.-course number indicates credit is not counted towards a specific graduation requirement until completion of sequential work.  
(Incomplete) must be removed by Wednesday of the 4th week of the next following quarter of attendance within one year. A \$5 fee is required with application to remove.

KEY BUSINESS FORMS, INC. - 744-3186

UNIVERSITY OF DENVER College of Engineering  
 COLORADO SEMINARY Department of Metallurgy  
 University Park, Denver, Colorado 80210

17 March 1965

Mr. Joseph D. Andrade, Jr.  
 33757-12th Street  
 Union City, California

Dear Mr. Andrade:

We are pleased to offer you a National Science Foundation Training Grant for graduate study in the Department of Metallurgy of the University of Denver for the 1965-66 school year. The provisions of this grant will be made known to you by letter from Dean D. A. Day of the College of Engineering. This Training Grant presents an excellent opportunity to you for beginning your graduate studies, and I hope that you accept it.

I am returning to you herewith your \$10.00 check to the Office of Admissions. The Training Grant covers all such fees. Also I am including a Student Health Form in case you have not received one. The completed form can be returned to the Office of Admissions at your convenience.

Would you please let me know as soon as you can your decision on accepting or not accepting the NSF Training Grant. Assuming that you do accept, we in the Metallurgy Department are looking forward to meeting you next fall.

Sincerely yours,

*Charles B. Magee*  
 Charles B. Magee  
 Associate Professor

CBM/mc

Enclosures



PKP-A

Joe-A.

To: All Metallurgy Faculty and Dean D. A. Day

Metallurgy Faculty Meeting - 3/5/68

In Attendance: Carpenter, Crimmins, Hagel, Magee, Newkirk, Predecki, Pool.

Dr. Hagel opened the meeting by distributing the Annual NYU Metallurgy/ Materials Education Yearbooks. Several comments were made on errors in spelling and omissions. Attention was also drawn to articles on education appearing in the yearbooks.

Dr. Newkirk commented that preparations for the Physical Metallurgy Course in the Spring quarter had been made. D. Olsen and J. Andrade will be lab assistants and instructions for previous years labs have been revised to conform to Dr. Newkirks thinking. Dr. Hagel suggested contact with Professor Parks to get an indication of the class size to be expected.

A discussion of the current draft regulations was held and Dr. Hagel planned to talk to the graduate students on 3/6/68 about the new meetings. It appears as if M. Reid is the only one directly involved.

Inquiries from possible new graduate students are coming in rapidly. About 80 men have responded to information flyers sent out earlier but little follow-up from these men has occurred after the initial contact. The department has submitted the names of two men for consideration for 1 NDEA and 1 NSF grant. Dr. Magee revealed that there are only 2 NDEA and 3 NSF grants available for the Engineering and Science complex. Four names have also been submitted for consideration for GRA's. Gibson, currently at Rolla, is definite as a GRA for next year.

The report of the curricula committee, chaired by Dr. Magee, was discussed in some detail. The 68-69 curricula was planned by scheduling the required courses and then adding appropriate electives to balance the load during each quarter. The 69-70 electives were not listed. Crimmins commented that Quantum Mechanics and Thermodynamics should probably be taught every year. Currently Quantum Mechanics is taught every other year. Carpenter suggested a solid state physics course for non-physics majors be included. This course is currently being taught by Dr. Carpenter in the Physics Department.

Several suggestions were made concerning an advanced math course directed toward application to engineering problems. Dr. Hagel is going to set up a meeting between Math and Metallurgy to discuss the possibility of such a course.

Crimmins suggested we go to 3 - one hour lecture periods rather than 2 - one and one-half hour periods. He felt this would increase efficiency.

Dr. Hagel asked if our curricula had been compared with those of other

schools. Predecki said it had and while we are not as broad in scope we compare favorably considering relative department sizes.

Dr. Hagel suggested obtaining student comments on the proposed program and will meet with the curricula committee in 2 to 3 weeks.

The faculty agreed that it was permissible to allow Andrade, Barrows and Arnold to bypass the Masters degree and proceed directly to the Ph.D.

Dr. Newkirk is the faculty representative for Sigma Xi and the nominating procedure for new members was discussed. Nominations for Associate Members will be made sometime after the first year of graduate study depending on whether the student is an M.S. or Ph.D. candidate. The Metallurgy staff will nominate Dr. Carpenter for membership this year.

Respectfully submitted:

Monte J. Pool, Secretary

33757-12th Street,  
Union City, Calif.  
Feb. 1, 1965

Professor Charles B. Magee  
Department of Metallurgy  
College of Engineering  
University of Denver  
Denver 10, Colorado

Professor Magee --

Thank you for your air mail letter of January 22. Our letters must have "crossed" in the mails -- I wrote a letter on January 20 to the Department Chairman outlining my qualifications, background, and desire to do graduate work at Denver. If you have not yet seen the letter, please obtain it from the Chairman as it may contain information which would be helpful in evaluating my application.

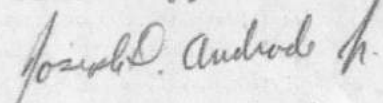
Enclosed is an Application for Admission to the Graduate College. I have submitted an identical application and a check for the ten dollar fee to the Office of Admissions. I will arrange for two transcripts of my undergraduate college work to be sent to you right away. Professors James Anderson, Zuhair Munir, and Ralph Parkman of the Materials Science Department of San Jose State College will soon submit letters of recommendation in my behalf to you. Please forward the transcripts and letters of recommendation to Mr. Robert Anderson at the Office of Admissions when you and the Department of Metallurgy have completed your evaluation.

I am definitely interested in applying for a fellowship and/or an assistantship. I would prefer a fellowship or traineeship so that I may devote full-time study to the graduate work, but I do realize that such financial aid may not be available. As I outlined in my letter of January 20, I will have both teaching and research experience at the end of this spring semester (June, 1965), and

If you would like an essay dealing with personal goals and objectives, or any other information you feel might be helpful in evaluating my application, please do not hesitate to write.

Thank you.

Sincerely,

  
Joseph D. Andrade, Jr.



33757-12th Street  
Union City, Calif.  
Feb. 1, 1965

Mr. Robert J. Anderson  
Office of Admissions  
University of Denver  
Denver 10, Colorado

Mr. Anderson --


Enclosed is an application form for admission to the Graduate School and a check for the evaluation fee of ten dollars.

I will be communicating directly with Professor Charles B. Magee of the Department of Metallurgy regarding requirements and financial aid in Metallurgy. Two transcripts of my undergraduate records will soon be sent to him, along with three letters of recommendation. I have asked Professor Magee to forward these materials to your office when the Department of Metallurgy has completed their evaluation.

Mr. Dunning and I had a very interesting talk yesterday in San Jose. The interview was very informative; I am looking forward to studying at the University of Denver.

Thank you for your kind attention. If there are any other materials your office needs, please write and I will submit them immediately.

Sincerely,



Joseph D. Andrade, Jr.



UNIVERSITY OF DENVER College of Engineering

COLORADO SEMINARY

Department of Metallurgy  
University Park, Denver, Colorado 80210

22 January 1965

Mr. Joseph D. Andrade, Jr.  
33757 12th Street  
Union City, California

Dear Mr. Andrade:

Your letter to the Director, Denver Research Institute in which you inquire about graduate study in physical metallurgy and physics at the University of Denver has been referred to me for reply. I regret that it has taken so long for this reply to reach you.

In the Department of Metallurgy, in addition to the Graduate Research Assistantships with which you are familiar, we have NDEA Fellowships and NSF and NASA Traineeships available for the 1965-66 academic year. These appointments permit full time to be devoted to graduate study, pay all tuition, and carry a 12 month stipend from about \$2400 to about \$3400 depending upon the number of dependents and the number of years of graduate work. We will be making appointments of Fellows, Trainees, and Graduate Research Assistants for the 1965-66 academic year late this winter. If you are interested in applying for one of these appointments would you please send me two copies of transcripts of your undergraduate records, and have sent to me three letters of recommendation from persons familiar with your academic work. If you have received application forms from the Registrar, you can return them to me rather than to the Office of Admissions.

*Application* →  
As you will note from the metallurgy courses listed in the Graduate School Bulletin we are oriented towards physical metallurgy and physical ceramics. We emphasize thermodynamics, statistical mechanics, quantum mechanics, kinetics, and the relationship of structure (atomic, crystalline, micro, and macro) to properties.

If you desire further information please don't hesitate to write. We appreciate your interest in the University of Denver.

Sincerely yours,

*Charles B. Magee*

Charles B. Magee  
Associate Professor

CBM/mc

33757-12th Street,  
Union City, Calif.  
Jan. 20, 1965

Chairman, Department of Metallurgy  
College of Engineering  
University of Denver  
Denver 10, Colorado

Sir:

I have recently received information from the Registrar and the Dean of Engineering of the University of Denver regarding graduate study in engineering. I am definitely interested in applying to the graduate school in Metallurgy.

I am a senior honor student majoring in Materials Science at San Jose (Calif.) State College with a 3.4 grade-point average at San Jose State. I will be graduated in June with a B.S. degree and nearly 170 units (semester) of undergraduate college credit. Next semester I will be instructing two lower division Materials Science laboratories. I am currently working on a senior research project titled: "Radial Distribution Analysis of the As-Cooled Structure of a Binary Glass." Scheduled completion of the project is in June, and I have high hopes of publishing the results.

Enclosed is a copy of the Application for Admission I will soon submit to the Graduate School. I would appreciate any information you could supply regarding financial assistance; I will have had teaching assistant experience and individual research experience. Also, the forms supplied by the Graduate School made no mention of references. The Materials Science faculty here at San Jose have said that they would be very happy to furnish letters of recommendation for me; if you desire them, please let me know.

The Graduate Record Exam people and I had a mutual mix-up recently and I was unable to take the Jan. 16 exam; I will take the April 24 exam at Stanford University.

I intend to select a graduate school of relatively small size and in a location I haven't seen; I honestly feel that education is an individual thing. I also feel that it is time I see a portion of the United States outside of California; Colorado and its neighboring states seem like a fine place to start.

Thank you for your kind attention.

Sincerely,

*Joseph D. Andrade, Jr.*  
Joseph D. Andrade, Jr.



UNIVERSITY OF DENVER Office of Admission Counseling

COLORADO SEMINARY

University Park, Denver, Colorado 80210

January 20, 1965

# 458

Dear Student:

As a student who has expressed an interest in the University of Denver, you may be pleased to know of interviews for prospective students to be held in the San Francisco Bay area from January 30 through February 3. There will be opportunities to discuss academic programs, admissions requirements and procedures, housing, athletics, social activities, and any other aspects of the University about which you may have questions. Parents, as well as friends who may also have an interest in the University, are cordially welcomed to accompany you.

Interviews may be arranged at the following locations and times:

San Jose - Saturday, January 30, all day and all evening, and Sunday, January 31, 3:00 P.M. until 10:00 P.M. San Jose Hyatt House Hotel, 1740 North First Street.

Corte Madera - Monday, February 1, 7:00 till 10:00 P.M. Edgewater Inn Motel, 1815 Redwood Highway.

Berkeley - Tuesday, February 2, 7:00 till 10:00 P.M. Hotel Claremont, Ashby Avenue at Domingo.

Palo Alto - Wednesday, February 3, 7:00 till 10:00 P.M. Rickey's Hyatt House Hotel, 4219 El Camino Real.

Appointments should be secured in advance by telephoning the University of Denver Development Office in San Francisco, YU 1-2955.

We look forward to meeting with you, and, although these conferences will have no effect upon the status of your application, we hope that you will avail yourself of this opportunity to obtain more detailed information about the University of Denver.

Sincerely yours,

*James E. Dunning*

James E. Dunning,  
Admissions Counselor



UNIVERSITY OF DENVER

COLORADO SEMINARY

College of Engineering  
Office of the Dean  
University Park, Denver 10, Colorado

January 15, 1965

Mr. Joe Andrade  
481 N. 6th Street, #2  
San Jose, California

Dear Mr. Andrade,

We were pleased to learn that you are interested in graduate study in Engineering. The Bulletin of our Graduate College has been or will be sent to you.

You will note in that Bulletin that we offer M.S. degrees in each of the four branches of Engineering: Chemical, Civil (structures and materials), Electrical (circuits, field theory, servomechanisms and control systems, computer technology and solid state fundamentals), and Mechanical (applied mechanics and thermoscience); also in Metallurgy (physical metallurgy and ceramics). Programs leading to the Ph.D. degree are offered in Chemical and Electrical Engineering and in Metallurgy. For more detailed information regarding any of these programs, I would suggest that you write to the Chairman of the appropriate department.

You will also find in the Bulletin statements of the general requirements for admission to graduate study and requirements for the M.S. and Ph.D. degrees. Descriptions of course offerings will be found under "Engineering" in the courses of study section of the catalog.

I trust that this will give you the information you desire but if I can help you further, please let me know.

Cordially yours,



C. M. Knudson  
Coordinator of Academic Counselling

# UNIVERSITY OF DENVER

COLORADO SEMINARY

Office of Admission Counseling

University Park, Denver, Colorado 80210

January 6, 1965

Mr. Joe Andrade  
481 North 6th Street #2  
San Jose, California

Dear Mr. Andrade:

Thank you for your recent inquiry concerning the University of Denver. We are sending you additional material under separate cover and shall welcome the opportunity to answer any questions you may have after you have studied this material.

We are informing the appropriate department of your inquiry. You should soon receive a letter from that department giving further details about the opportunities at the University in your field of interest and answering your questions concerning the department.

Graduate study may be pursued in one of three ways: as a candidate for a higher degree from the University of Denver, in a graduate program leading to professional certification but without a degree objective, or as a special student in the Graduate College. In any case, the enclosed application form should be completed and forwarded to the Office of Admissions. If you plan to study toward an advanced degree, or for professional certification, a \$10.00 evaluation fee must be submitted with your application unless you have previously paid an evaluation fee to the University of Denver. In addition, you must ask the Registrar of each college or university attended elsewhere to send two official transcripts of your work to the OFFICE OF ADMISSIONS. Complete instructions for making application to graduate programs may be found on the back of the Graduate College application for admission.

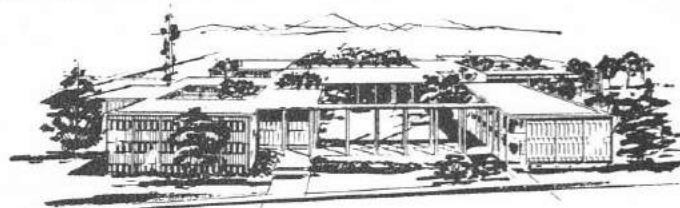
Thank you again for your interest in the University. If we can be of any further service, please feel free to call on us.

Sincerely yours,



Robert J. Anderson  
Co-ordinator

RJA:jp



**The Boettcher Center for  
Science, Engineering and Research**

## UNIVERSITY OF DENVER

### **M.S. and Ph.D. Programs in:**

#### **CHEMICAL ENGINEERING**

transport properties, mass and heat transfer, thermodynamics, chemical reaction kinetics and catalysis, and process dynamics

#### **ELECTRICAL ENGINEERING**

circuit analysis and synthesis, fields and antennas, systems and controls, computer technology, and solid state electronics

#### **PHYSICAL METALLURGY AND CERAMICS**

phase equilibria, kinetics and fundamental properties, metallurgical thermodynamics

### **M.S. Programs in:**

#### **CIVIL ENGINEERING**

structures, structural mechanics and materials

#### **MECHANICAL ENGINEERING**

applied mechanics, heat transfer, and fluid flow

Major department programs are supplemented by a selection of offerings in cognate areas including Chemistry, Mathematics and Physics

### **Qualified Students May Apply for Financial Aid**

**Fellowships and Traineeships** supported by NSF, NASA, NDEA and the University are available

#### **Assistantships**

Teaching—One-half time during the 9-month academic year \$2,000 to \$2,750 stipend—tuition remission

Research—One-half time during the academic year with option for full time in summer—stipend up to \$3,800 for pre-M.S. and up to \$4,400 for post-M.S. for 12-month appointments—tuition remission

Applications for each academic year must be received before March 15 of the preceding year.

For further information write to:  
Chairman, Department of (Field, as above)  
University of Denver  
Denver, Colorado 80210

**PLEASE POST**