

SUBJECT NUMBER	SUBJECT NAME	SUBJECT UNITS			GRADE	SUBJECT NUMBER	SUBJECT NAME	SUBJECT UNITS			GRADE	
		A Rec.	Fall	Thesis				A Rec.	Fall	Thesis		
GRADUATE	FIRST TERM 1971-72	COURSE 5				GRADUATE	SUMMER SESSION 1975	COURSE 5				
5.70	INT TO STAT THERMODYN	A	3	0	6	R	5 TH GA	THESIS	0	45	0	J
5.73	INT QUANTUM MECH I	A	3	0	6	D						
5.90	SPEC PROB IN CHEM GRAD	A	0	12	0	N						
5.931	SEM IN PHYSICAL CHEM	A	1	0	2	N	GRADUATE	FIRST TERM 1975-76	COURSE 5			
10.075	ADV CALCLLUS FOR ENG	A	3	0	9	C	5 TH GA	THESIS	0	45	0	J
GRADUATE	SECOND TERM 1971-72	COURSE 5				GRADUATE	SECOND TERM 1975-76	COURSE 5				
5.74	INT QUANTUM MECH II	A	3	0	6	B	5 TH GA	THESIS	0	45	0	J
5.76	MOLEC SPECTRA & STRUCT	A	3	0	6	C						
5.90	SPEC PROB IN CHEM GRAD	A	0	24	0	N						
5.932	SEM IN PHYSICAL CHEM	A	1	0	2	N	GRADUATE	SUMMER SESSION 1976	COURSE 5			
GRADUATE	SUMMER SESSION 1972	COURSE 5				5 TH GA	THESIS	0	45	0	#	
5 TH G	THESIS	A	0	17	0	J						
GRADUATE	FIRST TERM 1972-73	COURSE 5										
5 TH G	THESIS	A	0	24	0	J						
5.71	CHEMICAL THERMODYN I	A	2	0	4	A						
5.931	SEM IN PHYSICAL CHEM	A	1	0	2	P						
GRADUATE	SECOND TERM 1972-73	COURSE 5										
5 TH G	THESIS	A	0	30	0	J						
5.932	SEM IN PHYSICAL CHEM	A	1	0	2	P						
8.242	QUANTUM ELECTRONICS	G	3	0	9	C						
GRADUATE	SUMMER SESSION 1973	COURSE 5										
5 TH G	THESIS	A	0	22	0	J						
5.60	CHEMICAL EQUILIBRIUM		4	0	8							
GRADUATE	FIRST TERM 1973-74	COURSE 5										
5 TH G	THESIS	A	0	12	0	J						
5.931	SEMINAR IN PHYSICAL CHEM	A	1	0	2	P						
8.421	INTRO OPT MICROGRAD PHYS	A	3	0	9	B						
GRADUATE	SECOND TERM 1973-74	COURSE 5										
5 TH G	THESIS	A	0	23	0	J						
5.68	KIN OF CHEM REACTIONS	A	3	0	6	B						
5.932	SEMINAR IN PHYSICAL CHEM	A	1	0	2	P						
8.391	SPEC PROB IN TH PHYSICS	A	0	10	0	P						
GRADUATE	SUMMER SESSION 1974	COURSE 5										
5 TH GA	THESIS		0	36	0	J						
GRADUATE	FIRST TERM 1974-75	COURSE 5										
5 TH GA	THESIS		0	45	0	J						
GRADUATE	SECOND TERM 1974-75	COURSE 5										
5 TH GA	THESIS		0	45	0	J						

WILLIAMS JOHN RAYMOND  
 (Family Name) (First Name) (Middle Name)

HOME 719 SOUTH 16TH ST., LONGVIEW, TEXAS  
 (When Admitted)

CITIZEN OF UNITED STATES  
 (When Admitted)

DATE OF BIRTH OCTOBER 5, 1947  
 PLACE OF BIRTH LONGVIEW, TEXAS

NAME OF PARENT ELI LORENZA WILLIAMS

ADMITTED IN SEPTEMBER 1971  
 FROM TEXAS SOUTHERN UNIVERSITY

COLLEGE ATTENDED  
 TEXAS SOUTHERN UNIVERSITY 1965-67,  
 1968-69 B.S. 1969  
 UNIVERSITY OF WISCONSIN 1967-68

8-16-74 GENERAL EXAMINATION ON MAJOR  
 IN THE DEPARTMENT OF CHEMISTRY  
 COMPLETED.

8-13-76 #SUBMITTED A THESIS IN THE  
 FIELD OF PHYSICAL CHEMISTRY  
 ENTITLED: "MEASUREMENT OF HYPERFINE  
 STRUCTURE AND ROTATIONAL RELAXATION  
 USING MICROWAVE AND MOLECULAR BEAM  
 MASER SPECTROSCOPY" AND RECEIVED A  
 GRADE OF SATISFACTORY.

8-13-76 FINAL EXAMINATION ON FIELD OF  
 RESEARCH COMPLETED.

9-15-76 AWARDED THE DEGREE OF DOCTOR  
 OF PHILOSOPHY.

Column designated GRADUATE indicates approved subject for  
 graduate degree. G indicates other subject accepted for grad.  
 into degree

School Years: Thirty units exclusive of examinations, divided  
 into two terms and starting in 1971 in January independent  
 admission period.

Subject Units: A unit represents fifteen hours of work. One unit  
 of lecture or recitation credit is equivalent to one semester hour  
 of units of laboratory or thesis credit are equivalent to one  
 semester hour. Prerequisite units are not included in semester  
 hour computations.

EXPLANATION OF GRADES

A: passed with honor.  
 B: passed with credit.  
 C: passed.  
 D: barely passed.  
 F: failed.  
 A grade becomes subject to later  
 form elsewhere.

H: single passing grade. Changed to  
 F in Sept. 1972.  
 I: incomplete.  
 O: absent.  
 X: allowed extension of time.  
 S: credited on basis of work  
 done elsewhere.

Since 1968, all Freshmen have been graded on a Pass/Fail basis.

12/31/90 O. W. Wray  
 Date Issued For the Registrar

Not valid without original signature and impressed seal of "Office  
 of the Registrar."