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March 1997

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An Equal Opportunity College Odessa College does not discriminate on the basis of sex, race, color, national origin, religion, disability or age.

Odessa College Bulletin CATALOG OF COURSES

1997-1998

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1997-98 COLLEGE CALENDAR

SUMMER 1997 (During the summer, Odessa College operates on a four-day week and closes on Friday.)

week and closes on Fi	noay.)
Summer I	
Advance Registration	April 22-24 (Tues-Thurs)
Add/Drop	April 22-24 (Tues-Thurs)
Last Day to Pay for Advance Registration	May 14 (Wed)
College Begins Four-Day Week	May 19 (Mon)
Registration	May 21 (Wed)
Holiday (Memorial Day)	May 26 (Mon)
Classes Begin	May 27 (Tues)
Late Registration/Schedule Changes	May 27 (Tues)
Last Day to Drop With a "W"	June 25 (Wed)
Last Class Day	July 2 (Wed)
Final Exams, End of Term	July 3 (Thurs)
Summer II	, ,
Advance Registration	April 22-24 (Tues-Thurs)
Advance Registration Continues	May 21 (Wed)
Add/Drop	April 22-24 (Tues-Thurs)
Last Day to Pay for Advance Registration	luky 1 (Tuge)
Registration	
Classes Begin	July 6 (Tues)
Late Registratory Schedule Changes	July 8 (Tues)
Last Day to Drop or Withdraw With a "W"	Aug 5 (Tues)
Last Class Day	
Final Exam, End of Term	Aug 13 (Wed)
<u>oc experience — sumi</u>	<u>MER 1997</u>
All students new to Odessa College are en	couraged to participate in
this daylong program. For more informat	tion, contact the Student
Information Center	tion, contact the Student r.
	tion, contact the Student r.
Information Center	tion, contact the Student r(Tues)
Information Center June 10, 17, 24, July 1, 15	tion, contact the Student r(Tues)
June 10, 17, 24, July 1, 15	tion, contact the Student r. (Tues)(Sat)
June 10, 17, 24, July 1, 15	tion, contact the Student v
June 10, 17, 24, July 1, 15	tion, contact the Student r
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June 10, 17, 24, July 1, 15	## Contact the Student
June 10, 17, 24, July 1, 15	## Contact the Student
June 10, 17, 24, July 1, 15	## Contact the Student
June 10, 17, 24, July 1, 15	## Contact the Student
June 10, 17, 24, July 1, 15	## Contact the Student
June 10, 17, 24, July 1, 15	Aug 18 (Mon) Aug 21 (Thus) Aug 25 (Mon) Aug 25 (Mon) Aug 25 (Mon) Aug 25 (Mon) Aug 26 (Fri) Sept 10 (Wed) Sept 26 (Fri) Ses) Nov 26-29 (Wed-Sat)
June 10, 17, 24, July 1, 15	Aug 18 (Mon) Aug 25-Sept 2 (Mon-Tues) Aug 25-Sept 1 (Mon) Aug 25-Sept 1 (Mon) Sept 10 (Wed) Sept 10 (Wed) Sept 10 (Wed) Sept 20 (Trips) Aug 25 (Mon-Tues) Aug 26 (Fri) Aug 26 (Fri) Aug 27 (Mon-Tues) Aug 28 (Fri) Aug 29 (Wed-Sat)
June 10, 17, 24, July 1, 15	Aug 18 (Mon) Aug 25-Sept 2 (Mon-Tues) Aug 25-Sept 1 (Mon) Sept 10 (Wed) Sept 10 (Wed) Mon Sept 26 (Fri) Mon
June 10, 17, 24, July 1, 15 July 26 FALL 1997 Advance Registration for Current OC Students Advance Registration Continues Nine Month Faculty Return/ College Resumes Five-Day Week Registration (M-Z) 8:30 a.m6 p.m. (A-L) 8:30 a.m6 p.m. (All) 1-6 p.m. Classes Begin Late Registration/Schedule Changes Holiday (Labor Day) Twelfth Class Day Deadline for Fall Degree Application Staff Development (Offices Closed/No Class Last Day to Drop or Withdraw with a "W" Thanksgiving Holiday Last Class Day Final Exams End of Semester	Aug 18 (Mon) Aug 25-Sept 2 (Mon-Tues) Aug 25-Sept 1 (Mon) Sept 10 (Wed) Sept 10 (Wed) Mon Sept 26 (Fri) Mon
June 10, 17, 24, July 1, 15 July 26 FALL 1997 Advance Registration for Current OC Students Advance Registration Continues Nine Month Faculty Return/ College Resumes Five-Day Week Registration (M-Z) 8:30 a.m6 p.m. (A-L) 8:30 a.m6 p.m. (All) 1-6 p.m. Classes Begin Late Registration/Schedule Changes Holiday (Labor Day) Twelfth Class Day Deadline for Fall Degree Application Staff Development (Offices Closed/No Class Last Day to Drop or Withdraw with a "W" Thanksglving Holiday Last Class Day Final Exams End of Semester Christmas Holiday for	Aug 18 (Mon) Aug 29 (Wed) Aug 25 (Mon) Aug 25 (Mon) Aug 25 (Mon) Aug 26 (Fri) Sept 10 (Wed) Sept 26 (Fri) Sept 29 (Wed-Sat) Dec 15-18 (Mon-Thurs)
June 10, 17, 24, July 1, 15 July 26 FALL 1997 Advance Registration for Current OC Students Advance Registration Continues Nine Month Faculty Return/ College Resumes Five-Day Week Registration (M-Z) 8:30 a.m6 p.m. (A-L) 8:30 a.m6 p.m. (All) 1-6 p.m. Classes Begin Late Registration/Schedule Changes Holiday (Labor Day) Twelfth Class Day Deadline for Fall Degree Application Staff Development (Offices Closed/No Class Last Day to Drop or Withdraw with a "W" Thanksgiving Holiday Last Class Day Final Exams End of Semester	Aug 18 (Mon) Aug 29 (Wed) Aug 25 (Mon) Aug 25 (Mon) Aug 25 (Mon) Aug 26 (Fri) Sept 10 (Wed) Sept 26 (Fri) Sept 29 (Wed-Sat) Dec 15-18 (Mon-Thurs)

WEEKEND COLLEGE FALL 1997			Jí	anua	arv		
Add/Drop permitted during all of the following registration periods.	1 _				•	_	_
Advance Registration for Current OC Students April 22-24 (Tues-Thurs)	8	M	T	W	T 1	F 2	S
Advance Registration Continues July 22-24 (Tues-Thurs)	4	5	6	7	8		10
Registration Sessions A & B	11	12	13	14	15	16	17
(M-Z) 8:30 a.m6 p.m		19	20		22		24
(A-L) 8:30 a.m6 p.m	25	26	27	26	29	30	31
(All) 1-6 p.m Aug 21 (Thurs)			-	. la wa .			
Registration Sessions A & B Continues Aug 25-Sept. 5 (Mon-Fri)			re	bru	ary		
Session A Classes Begin Sept. 6 (Sat)	8	M	T	W	T	F	8
Session A Final Exams, End of Term Oct. 11 (Sat)	1	2	3		5	6	.7
Registration Session B Only Nov. 3-7 (Mon-Fri)	15	9 16	10 17	11 18			14 21
Session B Classes Begin		23	24				28
ession B Final Exams, End of Term Dec. 13(Sat)					_		
MIDWINTER SESSION 1997-1998			,	Marc	:h		
For Advance Registration dates, consult current class schedule.	S	M	T	W	T	F	8
Registration 8-10 a.m Dec 29 (Mon)	1 8	2	3	4	5 12	6	7
irst Class Day Dec 29 (Mon)		9 16	10 17		12 19		14 21
lolidayJan 1 (Thurs)	22	23	24	25			28
ast Day to Drop or Withdraw With a "W" Jan 6 (Tues)	29	30	31				
Final Exams, End of TermJan 10 (Sat)				Apri	il		
SPRING 1998	s	м	т	m hu	'' T	F	s
For Advance Registration dates, consult the current class echedule.	•		·	1	2	3	4
Offices Open/12-Month Faculty Return Jan 5 (Mon)		6	7				11
line-Month Faculty Return		13	14	15			18
Registration (A-L) 8:30 a.m6 p.m Jan 13 (Tues)		20 27	21 28		23 30	4	25
(M-Z) 8:30 a.m6 p.m Jan 14 (Wed)				_•			
(All) 1-6 p.m Jan 15 (Thurs)	1			May	/		
loliday (Martin Luther King Day) Jan 19 (Mon)	1 _		_			_	_
Classes BeginJan 20 (Tues)	S	M	T	W	T	F 1	S
ate Registration/Schedule Changes Jan 20-27 (Tues-Tues)	3	4	5	6	7	8	9
Peadline for Spring Degree Application Feb 20 (Fri)		11	12				16
Spring Break Mar 9-13 (Mon-Fri)		18 25	19 26		21 28		23 30
foliday (Good Friday) Apr 10 (Fri)	31	43	20	21	20	28	30
ast Day to Drop or Withdraw With a "W" Apr 16 (Thurs)	1						
ast Class Day May 8 (Fri)	1			Jun	e		
Final Exams May 11-14 (Mon-Thurs)			-	14/	_	_	_
Graduation DayMay 15 (Fri)	S	M 1	T 2	W 3	T 4	F 5	S
	7	ė	9	10	•	12	
SUMMER 1998	14	15	16	17			20
Summer I	21 28	22 29	23 30	24	25	26	27
For Advance Registration dates, consult the current class schedule. Registration		-	-	1			
Holiday (Memorial Day)	1			July	7		
Classes Begin May 26 (Tues)	S	M	T	W	T		8
Late Registration/Schedule Changes		_		1			4
Last Day to Drop With a "W"June 24 (Wed)	5	6 13	7	8 15			
ast Class Day	19						25
Final Exams, End of Term		27	28		30		
			A	lugu	ıst		
Summer For Advance Registration dates, consult the current class achedule.	S	м	Ţ	w	T	F	8
Registration	3	-67	•	**	•	•	1
Classes Begin	2	3	4	5	6	7	8
Late Registration/Schedule ChangesJuly 7 (Tues)		10					
Last Day to Drop or Withdraw With a "W"Aug 4 (Tues)		17 24	18 25	19 26		21 28	22
Last Class Day		31	LU				_0
Last Crase Day	1						
Final Exams, End of Term Aug 12 (Wed)							

Campus Directory

Hours are subject to change. Hours vary during registration, special sessions and school holidays. *These offices close during the lunch hour.

Office	Phone	Location	Regular Hours	Summer Hours
Admissions Office	335-6432	SUB 107	M-Th 8 a.m6 p.m. F8 a.m5 p.m.	M-Th 7:30 a.m5:30 p.m.
Adult Basic Education (GED, ESOL & Literacy classes)	332-9477	Noel Center 619 N. Grant	M-Th 8 a.m9 p.m. F 8 a.m5 p.m.	M-Th 7:30 a.m 9 p.m. F 7:30 a.m 5 p.m.
Bookstore	335-6655	SUB 102	M &Th 7:45 a.m5 p.m. T&W 7:45 a.m7 p.m. F7:45 a.m3 p.m.	M-Th 7:30 a.m6 p.m.
Business Incubator	333-7409	Noel Center 619 N. Grant	M-F8 a.m5 p.m.	M-F8 a.m5 p.m.
Business Office (tuition, fees, IDs, parking stickers)	335-6419	ADM 101	M-Th 8 a.m6 p.m. F 8 a.m5 p.m.	M-Th 7:30 a.m5:30 p.m.
Cafeteria	335-6859	SUB 103	M-F 7:30 a.m7 p.m.	M-Th 7:15 a.m1:30 p.m.
Campus Police	335-6666 528-1974 (after hours)	GYM 107	M-F8 a.m5 p.m.	M-Th 7:30 a.m5:30 p.m.
Career Services	335-6890	SUB 205	M-F8a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*
Children's Center	335-6482	SH 121	M-F 7:30 a.m5:30 p.m.	M-F 7:30 a.m5:30 p.m.
Computer Lab	335-6612	LRC 301-303	M-Th 7:45 a.m10 p.m. F7:45 a.m5 p.m. Sun 2-5 p.m.	Call for hours
Continuing Education	335-6580	SUB 213	M-Th 8 a.m6 p.m. F 8 a.m5 p.m.	M-Th 7:30 a.m5:30 p.m.
Continuing Education Drive- Thru Booth	335-6580	Parking Lot	M-Th 8:30 a.m7 p.m. F 8:30 a.m4 p.m.	M-Th 8 a.m7 p.m.
Counseling Center	335-6433	SUB 204	M-Th 8 a.m6 p.m. F 8 a.m5 p.m.	M-Th 7:30 a.m5:30 p.m.
Dean of Arts, Humanities & Distance Education	335-6412	CT 100B	M-F8 a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*
Dean of Learning Resources & Developmental Education	335-6611	LRC 119	M-F8 a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*
Dean of Science & Health	335-6446	CT 100	M-F8 a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*
Dean of Technical Studies	335-6409	ET 152	M-F8 a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*
Director of Intercollegiate Athletics	335-6567	SC 102	M-F8 a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*

Hours are subject to change. Hours vary during registration, special sessions and school holidays. *These offices close during the lunch hour.

Office	Phone	Location	Regular Hours	Summer Hours
Executive Vice President for Instruction	335-6413	ADM 202	M-F8 a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*
General Information	335-6400	ADM	M-Th 8 a.m6 p.m. F 8 a.m5 p.m.	M-Th 7:30 a.m5:30 p.m.
Learning Resources Center	335-6640	LRC	M-Th 7:45 a.m10 p.m. F 7:45 a.m5 p.m. Sun 2-5 p.m.	M-Th 7:30 a.m9 p.m.
Media Relations and Publications (catalogs schedules)	335-6416	ADM 211	M-F8 a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*
Off-Campus Programs	335-6661	CT 122	M-F8a.m5 p.m.	M-Th 7:30 a.m5:30 p.m.
President's Office	335-6410	ADM 201	M-F8a.m5p.m.*	M-Th 7:30 a.m 5:30 p.m.*
Registrer	335-6404	SUB 202	M-Th 8 a.m6 p.m. F 8 a.m5 p.m.	M-Th 7:30 a.m5:30 p.m.
Special Projects	335-6578	SUB 204	M-F8a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*
Sports Center &	335-6348	Sports Center	M-Th 7 a.m9 p.m.	M-Th 7 a.m9 p.m.
Community	l] '	F7a.m7p.m.	F7a.m7p.m.
Recreation			Sat 9 a.m1 p.m.	Sat 9 a.m1 p.m.
Student Activities	335-6403	Student Activity Center- Travis Hall	M-Th 8 a.m8 p.m. F 8 a.m5 p.m.	M-Th 7:30 a.m5:30 p.m.
Student Financial Services (loans, grants, scholarships, jobs for students, veterans)	335-6429	SUB 203	M-Th 8 a.m 6 p.m. F8 a.m 5 p.m.	M-Th 7:30 a.m5:30 p.m.
Student Information Center	335-6432	SUB 107	M-Th 8 a.m6 p.m. F 8 a.m5 p.m.	M-Th 7:30 a.m5:30 p.m.
Telecourses	335-6412	CT 100B	M-F8a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*
Testing Center	335-6620	GYM 200	M-Th 8 a.m6 p.m. F 8 a.m5 p.m.	M-Th 7:30 a.m5:30 p.m.
Tutoring Center	335-6612	LRC 200A	Call for hours	Call for hours
Upward Bound	335-6311	SUB 220	M-Sat 8 a.m5 p.m.*	M-Th 7:30a.m5:30 p.m.* Sun-Th 6-week residential program
Vice President for Business Affairs	335-6415	ADM 203	M-F8 a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*
Vice President for Student Life (housing, insurance)	335-6684	ADM 212	M-F8 a.m5 p.m.*	M-Th 7:30 a.m5:30 p.m.*

ODESSA COLLEGE STATEMENT OF PURPOSE

The Board of Trustees of the Odessa Junior College District (hereinafter called OC), in compliance with the Criteria for Accreditation of the Southern Association of Colleges and Schools, formalizes the beliefs, philosophy, goals, and objectives of OC with approval and publication of this document. This formal Statement of Purpose provides the core around which all institutional programs are built. Institutional planning and evaluation processes demonstrate a commitment from Board members, administration, faculty, and staff to the tenets expressed in this statement.

HISTORICAL BACKGROUND

The past of Odessa College, which celebrated its 50th anniversary during the 1996-97 school year, is interwoven with growth and progress. A review of its history reveals a success story of a public institution that has maintained the community college spirit and has grown by serving the people of Ector County and the Permian Basin, Beginning with 184 students in 1946, OC has grown steadily through the last 50 years. During a long semester, more than 4,700 students are enrolled in university-parallel and occupational/technical credit courses. During a year, more than 7,600 people also enroll in one or more continuing education courses.

Many university-parallel courses are offered for students planning to complete four-year degrees at senior colleges or universities and are freely transferable. Former OC students have a phenomenal record of success in the fields of accounting, law, medicine, music, public administration and teaching.

More than 30 occupational/technical programs also are offered, and additional ones are planned to meet the needs of citizens who want to learn new or improve existing skills. With an average of forty-five percent of our students enrolled in occupational/technical programs, OC continues to fulfill the workforce demands of our community.



Initially housed in temporary quarters in the old Odessa High School, OC's first classes were conducted after public school hours in late afternoons and evenings. Ector County taxpayers purchased a five-acre plot in the 2500 block of the Andrews Highway and in 1949 authorized the building of Baskin Hall, the first permanent structure.

The campus grew to 15 buildings on a 35-acre plot by 1960. Today, the \$55 million campus spreads over 80 acres and includes some 25 buildings that house more than 150 classrooms, laboratories and other facilities.

OC boasts a \$7 million Sports Center with more than 110,000 square feet of floor space that houses athletics, physical education and community recreation activities. The college also is home to public television station KOCV-TV and public radio station KOCV-FM.

Odessa College has not only expanded its facilities, but has also expanded its educational services to much of West Texas. The OC service area now covers over 20,000 square miles, making it the largest service area for any community college in Texas. OC offers extension courses and/or Adult Basic Education courses in thirteen towns as well as offering concurrent classes in six area high schools.

As the college has grown, so has its effectiveness. Quality education and academic excellence have long been its hallmarks. As our community and service area needs change, Odessa College will restructure its programs to better serve its constituents.

VISION

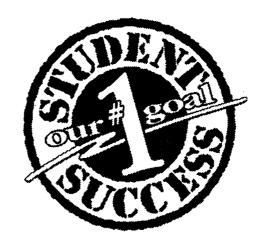
Odessa College will become an institution that is student centered, both in its philosophy and its operation. All components of the institution will focus on how best to serve the needs of the student — traditional, non-traditional, oncampus, or off-campus. The institution will accept a student at whatever level he/she enters and advance him/her as far along the learning spectrum as the student desires.

MISSION AND PURPOSE

Odessa College is a comprehensive community college. Our mission as trustees, administrators, faculty, and staff at Odessa College is to provide the finest educational opportunities possible for all residents of our fourteen-county service area who have the desire and ability to learn.

In accordance with our mission, OC's educational programs and services are designed to help people achieve their individual potential, to enrich their lives, and to become responsible and productive members of society. Thus, Odessa College exists for the following purposes:

- to provide the first two years of higher education and preprofessional programs for those students preparing to transfer for further education;
- to provide occupational/
 technical training for those
 students desiring to obtain the
 comprehensive skills and
 knowledge required in
 specialized fields;



- to provide general and developmental education to prepare students for effective involvement in society;
- to provide continuing education that is a response to various community needs and desires; and
- to provide opportunities for personal enrichment.

PHILOSOPHY

Odessa College exists for students. The college, with its faculty and staff, is committed to excellence in its services, programs, and practices. It affirms equal access to all aspects of the institution for the diverse population it serves. The institution approaches all endeavors with the highest standards of ethics and professionalism.



City of Odessa

Odessa College is located in Odessa, Texas, a progressive West Texas city of more than 100,000 people midway between Fort Worth and El Paso.

Odessa is a cultural, recreational, educational, medical, retail, and wholesale trading center for a region as large as several Eastern Seaboard states combined. Two hospitals provide a wide variety of medical services for the region, and the Texas Tech University Health Sciences Center is adjacent to Medical Center Hospital, providing additional health opportunities.

Odessa boasts a daily newspaper, five television stations, 20 radio stations and more than 150 churches. Numerous cultural, intellectual and recreational activities are available for the area's citizens.

Odessa is a growing, progressive city where friendly people heartily support Odessa College and its efforts. Newcomers find Odessa a good place to live and to raise a family, as well as an enjoyable place to study and to work.

Equal Opportunity at Odessa College

Odessa College is committed to the basic right of all people to have an equal opportunity for education or employment at this institution. Every effort will be made by the Board of Trustees, the administration and the faculty to defend this right and to vigorously seek to promote its implementation in all areas of the institution.

In accordance with its admissions standards, OC will admit as students any persons who can benefit from the instructional programs offered. In addition, OC will strive to meet post-secondary educational needs of its students by restructuring current programs and by creating new programs when these actions will benefit students.

Title IX of the Civil Rights Restoration Act prohibits sex discrimination in all programs of institutions which receive federal funds. Inquiries regarding Title IX should be made to the Title IX compliance person in the OC Human Resources Office, or to the Assistant Secretary for Civil Rights at the Department of Education, Washington, D.C. 20202.

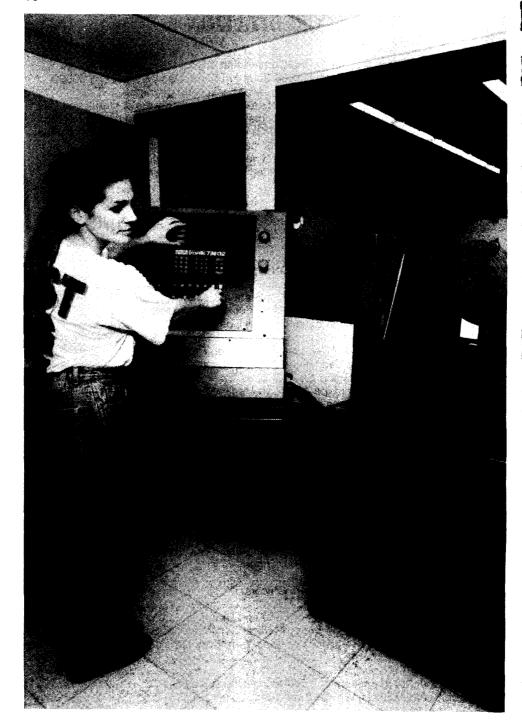
ACCREDITATION

Odessa College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097: Telephone number 404-679-4501) to award associate degrees.

Prospective students and interested parties who wish to view the accreditation documents and/or the institutional self-study may inquire at the circulation desk of the Murry H. Fly Learning Resources Center (LRC) where a copy is available for reference.

The number of agencies and associations that have given accreditation and membership privileges to Odessa College acknowledges the quality of education provided. The college is approved or accredited by the following professional organizations and agencies:

_	A		Date of
ı		ng Agency	<u>Last Review</u>
ļ	America	h Heart Association	July 1995
	America	Nurse Credentialing Center	July 1991
-	America	Physical Therapy Association Commission on Accreditation	
ŀ	for F	hysical Therapy Education	January 1996
		Vocational Nurse Examiners for the State of Texas	1996
		sion on Accreditation of Allied Health Education Programs with	
ı		mmendation of the Accreditation Review Committee for	luna 1005
	Commis	piratory Therapy Educationsion in Accreditation of Allied Health Education Programs with	June 1995
		mmendation of the Accreditation Review Committee for	
		ical Technology Education	October 1995
	Council	on Medical Education of the American Medical Association	OCIODO 1995
	throi	gh the recommendations of the Joint Review Committee for	
		pratory Therapy Education	October 1994
		Aviation Administration	
		view Committee on Education in Radiologic Technology	
l	National	Accrediting Agency for Clinical Laboratory Sciences	
	with	recommendations to the Committee on Allied Health Education	
	and	Accreditation	October 1992
Ī	National	Association of Schools of Music	1991
ľ		Certification Council for Activity Professionals	October 1994
-	National	League for Nursing	November 1994
_	Southern	Association of Colleges and Schools	March 1-4, 1992
Ì		pard of Private Investigators and Private Security Officers	1995
ı		bmmission on Fire Protection Personnel	4005
_		dards and Education	1995
_		ommission on Law Enforcement Officers dards and Education	lanuari 21 1005
ı		dards and Education epartment of Health, Division of Food and Drugs	Echruary 1004
	Toyas D	epartment of Health, Emergency Medical Services Division	rebluary 1994 1005
	Toyas D	ppartment of Health, Emergency Medical Services Division	1995
		cation Aide ProgramN	ovember 9, 1995
6		eal Estate Commission	
į		ate Board of Examiners of Professional Counselors	
		ate Board of Social Worker Examiners	
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SCHOOL YEAR AND LEARNING OPTIONS

SCHOOL YEAR

Fall Semester

Classes for the fall semester begin the middle to latter part of August and conclude before Christmas. Grade and scholastic standing reports are made available to students late in December.

Spring Semester

Classes for the spring semester begin the middle part of January and conclude in early May. Formal graduation ceremonies are held at the end of the spring semester.

Summer Session

The summer session consists of two terms of 5-1/2 weeks each, although some programs may have courses that are shorter or longer, depending upon the need. Classes are held Monday through Thursday, both during day and evening hours. Students may enroll in as many as seven semester hours in each 5-1/2 week session. Credit earned in a course is equivalent to that offered in the same course during a regular semester. Information regarding the summer session can be obtained from the OC Counseling Center.

Midwinter Session

OC offers a special short-term session to accommodate students who want to complete a course during the interim period between regularly-scheduled semesters. A midwinter interim session is held following the end of the fall semester and prior to the beginning of the spring semester. Students may complete a two, three or four-semester hour course during this special session.

Weekend College

In the Weekend College, all courses parallel those offered in the regular term except that they are compressed into a shorter time span. Full academic recognition is given these courses, and the time spent and the credit earned is equivalent to that of a regular session.

LEARNING OPTIONS

Evening Classes

Evening classes represent an extension of curricula offered during the day and are an integral part of the total educational program. Primarily, evening courses accommodate those individuals of the community who want to carry less than a full college course load because they are employed full time during the day. A wide variety of courses is offered for those individuals who want to broaden their educational backgrounds.

Students may complete requirements for an associate degree or certificate plan in most programs during evening hours, although the length of time to complete the programs may be longer than suggested for full-time day students.

Distance Education

Odessa College offers an extensive distance learning program. The college offers traditional instruction at numerous off-campus sites. In addition, instruction is offered using various distance learning technologies. These include an interactive, two-way audio-video network, telecourse instruction broadcast over the college licensed PBS station, KOCV-TV, computer modem and the Internet.

Extension Centers

The Regional Extension Center at Pyote (RECAP) provides many of the college courses offered on the Odessa College campus. Registration for any extension class can be completed at extension sites or at OC. Dates and times will be developed through the Student Services Office at Odessa College. Area newspapers usually carry notices of registration dates, times and a list of course offerings.

OC also offers classes at extension sites located in Andrews, Crane, Kermit, Pecos, Seminole, Wink, McCamey, Imperial and other sites, as well as at Odessa High and Permian High schools.

Information concerning extension centers can be obtained from the director of off-campus programs.

Interactive Two-Way Audio-Video Network (OC Net)

Classes are offered to Pecos, Wink and McCamey through a two-way compressed video system which allows students to see, hear and interact with their instructor via a large TV screen. Students use individual microphones in the classroom to talk with the instructor. Evening extension, dual credit and continuing education courses are offered via the network. Interactive classrooms are located in the high schools at Pecos, Wink and McCamey. Students may register for these classes on the OC campus during registration or at the off-campus sites during extension registration. Local newspapers publish registration dates, times, locations and lists of course offerings.

Modem/Internet Courses

Students may take computer modem courses at OC by using a computer modem to dial into the college's bulletin board system, the Flatlander. Students also may access the bulletin board via the Internet. Communication between teacher and student is done on the computer via electronic mail (e-mail), and students seldom meet face-to-face with their instructor except for orientation, depending on the instructor's syllabus.

These courses may be useful for students who are distant from campus, have work schedules that conflict with class schedules, or for other reasons are unable to come regularly to campus. Modem-access courses are convenient and offer flexibility for students; however, these classes require more self-discipline than traditional classes because they do not physically meet on a regular basis.

Any student registering for this type of course must own or have access to a computer and a modem.

Students may register for online courses during all regularly scheduled registration periods both on campus and at all off-campus sites.

Telecourses

Telecourses, college-credit classes taught with the aid of television, are offered throughout the year. Courses offered vary each semester and are applicable toward several degree plans. All telecourses are identified in class schedules published each semester.

For those students who have work schedules that conflict with on-campus instructional times or who have difficulty commuting to campus, telecourses provide the opportunity to select a class time compatible with almost everyone's obligations. While telecourses are more convenient than on-campus classes, they are not easier than on-campus classes.

Telecourses combine televised lessons with related reading and writing assignments in addition to on-campus sessions for orientation, review and examination.

All course components are supervised by a faculty member available to students by telephone during predetermined hours.

Students may register for the telecourses during all regularly scheduled registration periods both on campus and at all off-campus registration sites.

Radio and Television Stations

Odessa College owns and operates both a public FM radio station and a public television station. KOCV-FM, 91.3, has been on the air since 1963 and serves not only as an alternative listening source for area residents but also is used to train students in the radio field. Since 1989 KOCV-FM has been affiliated with the National Public Radio network. KOCV-TV, Channel 36, is the public television station for the Permian Basin and has been on the air since March 1986.

Technical Programs

Odessa College offers a wide variety of technical programs designed to enable a student to enter his or her chosen career field as a skilled employee after one or two years of college work.

These programs were established only after studies verified that employment opportunities will exist at the time students complete the program. The community's manpower requirements are matched with the ambitions and goals of the student. This realistic approach to technical education is made possible by the excellent cooperation of local industry, businesses and public agencies that look to the community colleges for skilled personnel.

OC maintains continuous liaison with prospective employers to assist in placement of graduates and to keep programs up-to-date with current job requirements. Essential occupational skills are taught in these classes by faculty who have years of working experience, as well as appropriate academic credentials.

Based on community studies that identify additional occupational needs that can be met by OC, recommendations for adding new programs to the college offerings will be

made periodically.

Technical courses carry college credit leading to an associate in applied science degree, a certificate of technology or a certificate of completion.

Continuing Education

Odessa College offers a wide variety of non-credit courses for members of the community who want to broaden their educational experiences but who are not interested in obtaining college credit. These courses may range from a one-day workshop to a full nine-month program, but typically their duration is shorter than the regular semester. Many professionals obtain continuing education units (CEUs) through the program for certification and licensure requirements.

Non-credit courses, seminars, teleconferences and workshops offer a wide range of activities intended to accommodate individuals of all ages. During the year, OC will plan activities in cooperation with business, industry, individuals and organizations in the community. There are no entrance requirements for most continuing education courses; any individual who can benefit from these courses may enroll. Extension classes in area cities also are offered. Any student enrolled for non-credit in a credit course may apply for credit by examination where applicable.

Almost any course that is of public interest can be organized if enough students ask to be enrolled, provided that a competent instructor and suitable facilities are available. A schedule of Continuing Education courses may be obtained from the Continuing Education Office or the Drive-thru Registration Booth or by call ing the Continuing Education

Office.

Training for Business and Industry

Continuing Education works with business and industry to provide education and training for employees. Contracts can range from billing for tuition for an individual enrolling in any course to providing a course for a company's employees on campus or at the business site. Customized training also is available.

Business Incubator

The Odessa College Business Incubator is located at Noel Center, 619 N. Grant Ave., in downtown Odessa. Designed to help small businesses in their start-up phase, the incubator is a flexible program meant to encourage the businesses' development and the enhancement of the local economy by diversifying and broadening the business base.

In general, incubators are facilities in which a number of new and growing businesses operate under one roof with affordable rents, on-site business counseling and advisement, shared services and equipment, and access to a wide range of professional, technical and financial programs.

Those interested in learning more about the OC Business Incubator are invited to call the incubator manager or come to Noel Center for a tour.

Adult Basic Education

Odessa College offers basic education classes for adults who have not completed high school. Classes range from level one instruction to teach adults to read and write to classes that prepare adults to successfully complete the state-administered high school equivalency General Education Development (GED) test. Classes are free, and textbooks are provided. During a typical school year, enrollment in Adult Basic Education classes averages 3,000 students.

The five major subject areas are math, English, social studies, natural science and writing (literature and the arts). Life skills and functional skills relating to careers and personal development also are available. Morning, afternoon and evening classes are available at the Noel Adult Learning Center, 619 N. Grant Ave.; and afternoon

and evening classes are available at numerous sites in Odessa. Adult Basic Education classes are sponsored not only in Ector County but also in Andrews, Brewster, Culberson, Jeff Davis, Pecos, Presidio, Reeves, Terrell, Ward and Winkler counties.

Classes for literacy and English for Speakers of Other Languages are available. Classes are self-paced, and instruction is directed toward individual needs. Odessa College has computerassisted instruction for all levels and subjects taught at Noel Center and at the Fort Stockton and Andrews learning centers.

Assessment, counseling and orientation sessions are scheduled to begin at three-week intervals. The official GED pretest is administered Tuesday through Thursday at no charge to adults to determine if they are prepared to successfully complete the GED test or if they would benefit from classes.

For more information on class locations and times, call Adult Basic Education. Adult Basic Education class schedules also are included in the Continuing Education Schedule.

Community Recreation

Classes offered through the college's Community Recreation program allow people of all ages to learn or improve in a number of lifetime activities. Classes include step and water aerobics, golf, gymnastics, racquetball, scuba, swimming, lifeguard training, country and western dance, and hunter safety.

Community residents also can choose from several types of memberships to the OC Sports Center, one of the finest recreational facilities in the Permian Basin. The facility features a Fitness Center/ Super Circuit, heated in-door swimming pool, indoor track, weightrooms and racquetball courts. To enroll for a course or purchase a membership, come to the Sports Center. You also may register at the Drive-Thru Booth located to the east of the Administrative Wing of the Student Union Building.

Upward Bound

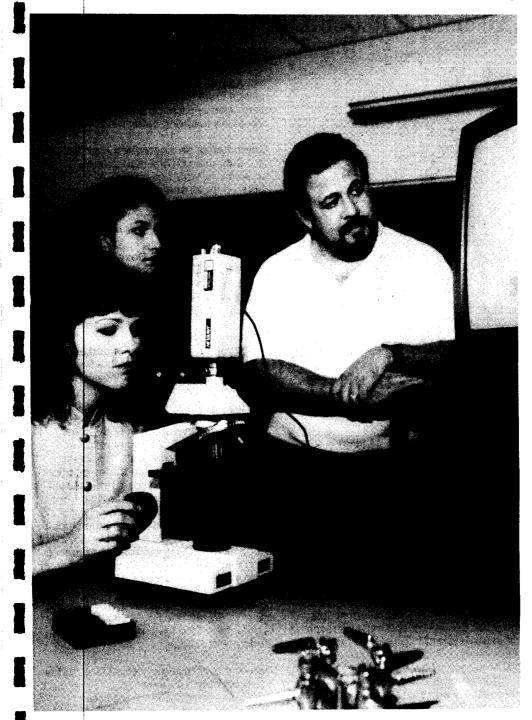
Upward Bound is a federally-funded project for high school students who have the potential to succeed in education beyond high school and need a broad base of support—academics, enrichment, motivation, career counseling and pre-college skills development—to accomplish their goals.

Students served by Upward Bound must meet low income guidelines, potential first generation college criteria and attend a targeted high school in OC's service area.

During the school year, the Upward Bound participants receive academic and career services and come to the OC campus on Saturdays for enrichment classes and field trips.

During the summer, students participate in a six-week residential program. Students live on the OC campus in supervised residence halls and take classes in math, science, foreign language, English composition and literature. They also participate in cultural and other educational activities during the summer session.

For more information, contact Upward Bound.



ADMISSIONS AND REGISTRATION

ADMISSION REQUIREMENTS AND PROCEDURES



Odessa College has an open door admissions policy and accepts applications throughout the year. Entrance examinations are not required; however, tests for appropriate placement may be required. All applications, transcripts and other documentation should be completed and submitted a minimum of two weeks prior to the announced date of advance registration. Individuals may submit applications and other documentation on the day of registration, but they can expect a significant time delay for the processing of the application. All official transcripts and other documentation must be received within 30 days after enrolling in fall and spring classes and 14 days after enrolling in summer sessions.

Admission to the college does not automatically admit students to all programs. Information regarding admission to or continuation in specific programs may be obtained from a counselor or department chair.

Requirements for Admission to the College

Admission to and enrollment in college credit courses is based on a completed application form and criteria in one of the following categories:

Graduates of an Accredited High School

Submit an official high school transcript to the Admissions Office. This is required for all students who have never attended a post-secondary institution. Graduates of a non-accredited high school will be admitted under Individual Approval.

General Educational Development (GED) Test Completers

Submit a copy of the GED certificate or an official report of test results to the Admissions Office.

Transfer Students

Students who have attended another college or university are eligible for admission. Submit to the Admissions Office an official transcript from all colleges or universities previously attended and a report of your Texas Academic Skills Program (TASP) Test scores, if required, prior to enrollment. If, because of time constraints, a student cannot submit a complete transcript prior to admission and enrollment, the student may submit an incomplete transcript or current grade report until an official transcript can be requested by the student.

Students Admitted by Individual Approval

Individuals who are 18 years of age or older and who do not qualify for admission under one of the other admission categories may be admitted on individual approval by the director of admissions if it is determined the person can benefit from study at the college.

Non-accredited High School Graduates Younger than 18 Years

Students who attended a nonaccredited public or private high school or who were schooled in a non-traditional setting may be credited by an examination which demonstrates high school equivaler cy. Such students also are eligible for admission with a recommendation by the principal or superintendent of the last high school attended. These students must present a notarized record of the high school work completed and the date of completion and must agree to limitations or conditions of admission established by OC.

Returning Students

Students in good standing who have attended OC but have not taken classes within the last calendar year must complete a reapplication for admission form in the Registrar's Office.

International Students (F-1 Visa)

Any individual from outside the United States may attend OC by meeting regular admissions standards and special admission requirements and deadlines for international students. Such students must submit:

a. A \$30 (U.S. currency) nonrefundable application fee.

c. An official transcript in English of all previous academic work and a summary of all educational background. Copies are not accepted.

d. Evidence of a minimum score of 500 on the Test of English as a Foreign

Language (TOEFL).

e. A physician's statement showing proof of immunization against diphtheria and tetarius within the last 10 years and evidence of good physical health.

f. A statement of financial ability.
Students should expect to pay a minimum of \$8,000 per calendar year for educational and living expenses (excluding the cost of transportation).

g. Proof of medical insurance. Information about student medical insurance is available from the college.

All of the above materials must be received by the Admissions Office by the following dates:

Summer session March 1
Fall semester June 1
Spring semester October 1

International students wishing to transfer to OC from another U.S. college or university also must present official transcripts of all college work accompanied by a letter of recommendation from the international student advisor at the previously attended institution.

Dual Credit and Early Admissions

High school juniors and seniors have two concurrent program options that allow them to get a jump start on college and save money at the same time: Dual Credit and Early Admissions. Many students find it possible to complete classes equal to one or even two semesters of college while still attending high school.

Dual Credit

The Dual Credit program allows high school junior and senior students to earn both high school and college credit for attending a single college course. High school instructors teach some of the college courses on the high school campus. College instructors teach other Dual Credit classes on the OC campus.

As a participant in the Dual Credit program, a student must have an overall grade point average of 3.0 in the semester immediately preceding enrollment in a college course or have scored above the 90th percentile on the achievement subtest in the content area for which the student wants to enroll. The high school principal or the principal's designee must make any exceptions to this requirement.

To discuss eligibility to participate in the Dual Credit program, students should contact their high school counselor who will assist in course selection and the Dual Credit schedule. High school counselors also will have information regarding classes taught on the high school campus and on the main campus. A student may take a maximum of two classes in any semester.

All Dual Credit students must meet admissions requirements set forth for all OC students and also adhere to special policies regarding Dual Credit classes. All admissions and Dual Credit forms may be obtained from the high school counselor.

Early Admissions

The Early Admissions program allows high school seniors to earn college credit while completing requirements for high school graduation. Credits earned through the Early Admissions program count only toward college credit.

To be eligible for Early Admissions, high school seniors must be within four units or 12 quarter credits of graduation and be recommended by their high school principal or the principal's designee. Students may enroll in a maximum of two classes each semester under the Early Admissions program. Classes are conducted on the OC campus, by telecourse or at one of the college's extension sites.

All Early Admissions students must meet admission requirements set forth for all OC students. Students may obtain applications for admission to OC and Early Admissions forms from their high school counselor or the OC Admissions Office or Counseling Center. Students must submit an official high school transcript to the Admissions Office. Students wishing to participate in the Early Admissions program are strongly encouraged to visit one of the OC counselors for academic advisement and planning.

Please note: Students may participate in Dual Credit and Early Admissions program concurrently (at the same time). However, students may take a maximum of two classes each semester whether they participate in one or both programs.

TASP Requirement for Dual Credit and Early Admissions Students

According to Texas law, a student (including one in Dual Credit or Early Admissions programs) must be tested for reading, writing and mathematics skills the semester the student completes nine college-level credit hours. The test instrument is the Texas Academic Skills Program (TASP) test. High school students may take the TASP once they have completed the exit level TAAS test. As with all college students, each student is required to pay the fee for the test.

Dual Credit and Early Admissions students are admitted and have continued admission on the same basis as all other students except for rules governing the TASP and remediation standards. High school students are not eligible for remediation at the college level. All three sections of the TASP must be taken and passed for a student to remain in the Dual Credit or Early Admissions programs. Students may be exempt from taking the TASP based on ACT, SAT or TAAS scores. Please see one of the OC counselors early in the semester you begin your college classes to determine your individual status. Questions concerning the TASP should be directed to the OC Counseling Center.

Upon high school graduation, all students are required to submit an official high school transcript with date of graduation to the Admissions Office.



Residence Status for **Tuition Purposes**

Assessment of tuition and fees for students is based on the residency classification of the student. At Odessa College, a student's residence status for tuition purposes will fall in one of three categories.

In-district resident: Students who are 18 years or older must have been a resident of the state of Texas for 12 months prior to their enrollment, including six months as a resident in the Odessa Junior College District. In the case of students younger than 18, their parents or legal guardian must meet the above criteria.

Out-of-district resident: Students 18 years and older who have not lived within the Odessa Junior College District six months prior to registration, but who have been a resident of Texas at least 12 months prior to registration, are considered to be outof-district students. In the case of students younger than 18, their parents or legal guardian must meet the above criteria.

Out-of-state resident: United States citizens who are 18 years of age or older and who have not lived in Texas for at least 12 months prior to registration, are considered out-ofstate residents. When students are younger than 18, their family's residence for the prior 12 months determines whether they are out-ofstate residents.

Waiver of residence requirements:

OC will waive the difference in the rate of tuition for resident and non-resident students and their dependents when those individuals own property, including land, homestead and property for business purposes, subject to ad valorem taxation. The student must present the Admissions Office with a certified copy of the warranty deed obtained from the Ector County Clerk's Office. This deed must show a record title of the Ector County property to be in the name of the student, spouse or parents, whichever is applicable.

The determination of a student's legal residence for purposes of establishing the appropriate tuition rates is made at OC according to guidelines pursuant to Title 3,

Texas Education Code: Rules and regulations for determining residence status, effective summer 1992. Students should be aware that these guidelines are subject to further revision. Verification of residence status for tuition purposes is often required. Applicants may be required to submit other forms of documentation.

Copies of these guidelines are available for inspection in the Admissions Office. Questions or disputes regarding interpretation of these guidelines should be directed to this office.

Resident Classification: Student Responsibility

Students are responsible for registering under the proper residence classification. If there is any question regarding their right to classification as a resident of Texas, they should inquire at the Registrar's Office.

Students found to be non-residents will remain in that classification as long as they attend OC or until they petition for and receive

approval for change of status.

Students classified as a resident but who become non-residents at any time by virtue of a change of a legal residence by their own action or by the person controlling their domicile are required to notify the Registrar's Office.

Special Programs and Requirements

Immunizations

Nursing and allied health students: Students enrolled in health related courses (student health care providers) that involve direct patient contact in medical care facilities, regardless of number of courses taken, must produce evidence of: a) one dose of tetanus/diphtheria within the past 10 years: b) rubella immunity; c) hepatitis B/bloodborne pathogen requirements as specified by each department.

Polio: Polio vaccine is not required for students to attend OC but may be required at certain health facilities where students

may have clinical training.

Provisional enrollment: All new and transfer students referred to above may be provisionally enrolled for up to one semester or quarter. The provisional enrollment will allow students to attend

classes while obtaining the required vaccinations and documentation (immunization records) of required vaccinations. Student health care providers cannot be provisionally enrolled without receipt of at least one dose of MMR vaccine, if direct patient contact will occur during provisional enrollment period.

Special Admissions Requirements for Selected Programs

Admission to OC does not automatically include admission to all programs at the college. The following programs have selective admissions criteria. If a student anticipates enrolling in one of these programs, he or she should check with a counselor or department representative about program admission requirements:

Clinical laboratory sciences
Emergency medical technology
(second year)
Law Enforcement Academy
Nursing
Physical therapist assistant
Radiologic technology
Respiratory care
State prison guard
Surgical technology

Tech-Prep Students

Students who come to Odessa College from recognized tech-prep programs should make a counselor aware of that status to insure proper credit and placement.

Orientation Requirement

ORIE 1100. Orientation to Odessa College, is designed to assist those new to college in gaining the knowledge necessary to function effectively in a college environment. The course covers policies, rules and regulations and services provided to students as well as the state-mandated TASP requirement. The student will become acquainted with the OC Bulletin-Catalog of Courses, the Orientation Handbook and the campus. At the initial meetings, students will meet the course instructor for two two-hour periods and then will complete the course by choosing from several additional activities. Course grades will be determined by the

total number of activities completed. Students receive one hour of credit which counts toward total enrollment hours for the semester but does not transfer, count toward graduation requirements or add to TASP liability. First-time students who enroll in nine or more semester hours are required to enroll in Orientation during their first semester of attendance at OC.

OC Experience

All students new to Odessa College are encouraged to participate in OC Experience, a daylong program designed with the new student in mind. Participants will have an opportunity to acquaint themselves with the campus, as well as services available to students once classes begin. OC Experience activities include placement testing (if needed), information sessions, a campus tour, academic advisement and the opportunity to register early. To sign up for OC Experience or for more information, please contact the Student Information Center.

More Information

For more information about Odessa College or becoming a student at OC, contact the Student Information Center, Room 107 of the Student Union Building.

For information about instructional programs and counseling and advising services, contact the Counseling Center, Room 204 of the Student Union Building.

Prospective students interested in enrolling at Odessa College should send their application and transcripts to Director of Admissions, Odessa College, 201 West University, Odessa, Texas 79764.

REGISTRATION PROCESS

Odessa College offers a variety of opportunities for students to register for classes and activities. Individuals registering for credit classes have the following options:

Academic Advising and Scholastic Planning

An important part of the registration process takes place well in advance of actual registration. Each student has a reason for attending Odessa College and should plan his or her course of study accordingly. Counselors and faculty advisors are available to assist students in academic planning. Specifically, these professionals can help with meeting prerequisites for courses, testing requirements, credit by examination, transferring courses, etc. Each student should meet with an appropriate advisor to work out a course of study or degree plan as early as possible. This meeting should be initiated by the student and should occur before the first registration at OC.

Students who have a TASP liability are required to have their schedule of classes approved by an OC counselor each semester. All students must have a final sign off by a counselor or faculty advisor before proceeding to the final data entry point in the registration process.

Advance Registration

The college designates specific dates and times for advance registration for upcoming semesters. For a fall semester, these times occur during the summer months. Advance registration for spring semesters is set for the last of November or the first part of December. For summer sessions, advance registration is in late April or early May. Exact dates and times are published in the schedule of credit classes for each semester.

New students (first time in college or transfer students) and returning students who have not enrolled for classes at OC within the last calendar year should complete the application or reapplication process at least two weeks prior to the beginning of

designated advance registration times.

Students who are enrolled at OC or who have been enrolled within the past calendar year are automatically eligible to participate in advance registration activities. All fees due for advance registration must be paid in full at the time designated for each semester in the class schedule to be maintained.

Regular Registration

Two or three days are designated at the beginning of each semester for student registration for credit classes. Students who have not participated in advance registration or who may not have paid their advance registration bill register alphabetically at the time designated. New students may also register at this time. Faculty advisors, counselors and other OC staff members are available to work with students during these regular registration times.

Late Registration

After the first day of classes, students may still register for credit classes for a specified period of time. Students who register late have the responsibility of making up any work missed prior to their first time to attend. The college reserves the right to limit the class load for students who register late. No late registration is permitted after the 12th class day for fall and spring semesters or after the fourth class day for a summer session. A late registration fee of \$10 is charged.

Extension and Other Off-Campus Registration

Students who attend classes at extension centers or concurrent enrollment classes at area high schools will have an opportunity to register at those sites. Dates and times are designated in the schedule of credit classes for each semester. Students who miss these times may come to campus to register at other designated registration times.

Non-Credit Registration

Students registering for continuing education classes may do so on an ongoing basis. This process takes place at the Continuing Education Office on the

second floor of the Student Union Building. Mail-in registration and telephone registration with a credit card also are available.

OC also offers drive-up registration for non-credit continuing education classes. Please stop at the Drive-thru Booth at the end of the main drive entrance off West University Boulevard.

Sports activity and recreation classes are offered through Community Recreation at the Sports Center. Students may sign up at that facility during regular hours of operation. These opportunities are available both to students and community members.

Audit of Credit Classes

Students who want to register for a regular credit class on an audit basis must adhere to the following regulations:

- A student may not register for an audit until after the first class day.
- Audit permission must be obtained from the appropriate department chair and the Registrar's Office.
- There must be seats available before an auditing student will be permitted to enter a particular class.
- Auditing students are not required to meet course prerequisites listed in the catalog.
- Students auditing a course may not under any circumstances claim credit for the course.
- 6. A student registering for a course may not change from audit to credit or from credit to audit after the 12th class day during a long semester or fourth class day during a summer term. Requests for status change must be made in the Registrar's Office.
- 7. Charges for auditing a course are the same as for regular registration.

Identification Cards

Odessa College requires photo identification cards for all on-campus, credit-hour students. ID cards are used for admission to Student Activities events, athletic events and fine arts presentations, for library privileges. ID card fees are non-refundable in case of withdrawal from the college.

Full information regarding ID cards can be obtained from the Business Office, in the Administrative Wing of the Student Union Building.

Parking on Campus

A permit is required for each vehicle (including motorcycles and mopeds) parked on campus. Students may purchase a permit during registration or at other times during the year. Payments are made at the Business Office during regular office hours. A copy of parking regulations is available at the Business Office or from the Campus Police Office.

Continuing Education students will be provided a courtesy parking sticker when they register for non-credit classes.

Vehicles parked on campus without a permit displayed will be ticketed. Failure to pay fines assessed by tickets will result in holds placed on registration and transcripts.

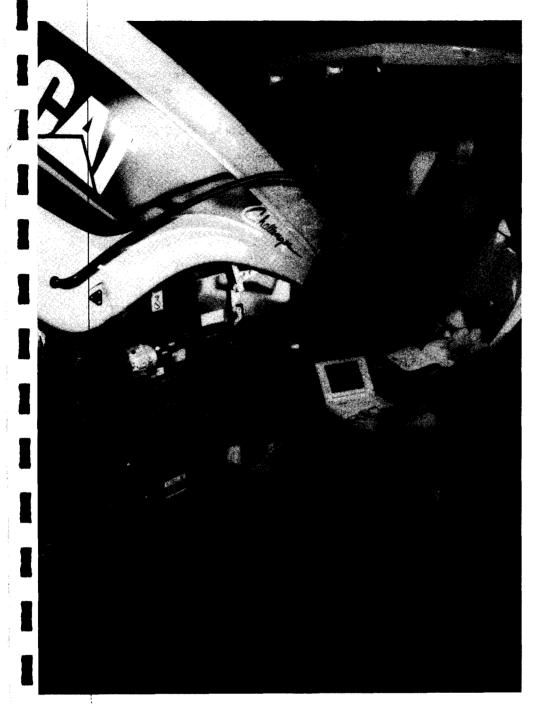
STUDENT RECORDS

Accuracy of Student Records

Each student is responsible for keeping his or her record accurate and up to date. Changes in name, social security number, address, telephone number, etc., must be submitted in writing and signed by the student. The Registrar's Office processes changes.

Directory Information

OC classifies as directory information the following student data: name, address, telephone number, date and place of birth, major field, participation in official activities and sports, weight and height of athletic team members, dates of attendance, degrees and awards received and most recent educational institution attended. Such information is normally released to individuals upon request. Students who do not want this directory information released must file a written statement to that effect each semester with the Registrar's Office.



MONEY MATTERS

TUITION AND FEES

Please note that the following tables reflect the 1996-97 tuition and fee rates adopted by the Odessa College Board of Trustees. The schedule is subject to revision by the Legislature of the state of Texas, the Odessa College Board of Trustees and/or the administration of Odessa College.

These tables reflect only the tuition and fees required of ALL STUDENTS.

Parking fees and other course fees may be applicable.

See: LAB FEES

PRIVATE INSTRUCTION FEES

TRAVEL FEES TESTING FEES

MISCELLANEOUS FEES

on pages 26, 27 for additional charges.

IN-DIS	TRICT TE	XAS RE	SIDENT:				**TOTAL
***************************************				•	ID Fee		BEFORE
Semest	ter	Reg	Building	Activity	Non-	Computer	PARKING &
<u>Hours</u>	<u>Tuition</u>	Fee	<u>Use Fee</u>	Fee	<u>Refundable</u>	Fee	OTHER FEES
1	42.00	15.00	12.00	1.00	1.00	1.00	72.00
2	42.00	15.00	24.00	2.00	1.00	2.00	86.00
3	42.00	15.00	36.00	3.00	1.00	3.00	100.00
4	56.00	15.00	48.00	4.00	1.00	4.00	128.00
5	70.00	15.00	60.00	5.00	1.00	5.00	156.00
6	84.00	15.00	72.00	6.00	1.00	6.00	184.00
7	98.00	15.00	84.00	7.00	1.00	7.00	212.00
8	112.00	15.00	96.00	8.00	1.00	8.00	240.00
9	126.00	15.00	108.00	9.00	1.00	9.00	268.00
10	140.00	15.00	120.00	10.00	1.00	10.00	296.00
11	154.00	15.00	132.00	11.00	1.00	11.00	324.00
12	168.00	15.00	144.00	12.00	1.00	12.00	352.00
13	182.00	15.00	156.00	13.00	1.00	13.00	380.00
14	196.00	15.00	162.00	14.00	1.00	14.00	402.00
15	210.00	15.00	168.00	15.00	1.00	15.00	424.00
16	224.00	15.00	174.00	16.00	1.00	16.00	446.00
17	238.00	15.00	180.00	17.00	1.00	17.00	468.00
18	252.00	15.00	186.00	18.00	1.00	18.00	490.00
19	266.00	15.00	192.00	19.00	1.00	19.00	512.00
20	280.00	15.00	198.00	20.00	1.00	20.00	534.00
21	294.00	15.00	204.00	21.00	1.00	21.00	556.00
22	308.00	15.00	210.00	22.00	1.00	22.00	578.00
23	322.00	15.00	216.00	23.00	1.00	23.00	600.00
24	336.00	15.00	222.00	24.00	1.00	24.00	622.00
25	350.00	15.00	228.00	25.00	1.00	25.00	644.00

I	OUT-0	DF-DISTR	ICT TEX	AS RESIDI	ENT:		,	**TOTAL
-	0			5 22.0	A 41 44	ID Fee		BEFORE
	Semest	er Tuition	Reg	Building	Activity	Non-		PARKING &
	Hours 1	57.00	<u>Fee</u> 15.00	<u>Use Fee</u> 12.00	<u>Fee</u> 1.00	Refundable 1.00	<u>Fee</u> 1.00	OTHER FEES 87.00
s	2	57.00	15.00	24.00	2.00	1.00	2.00	101.00
_	3	57.00	15.00	36.00	3.00	1.00	3.00	115.00
	4	76.00	15.00	48.00	4.00	1.00	4.00	148.00
	5	95.00	15.00	60.00	5.00	1.00	5.00	181.00
	5 6	114.00	15.00	72.00	6.00	1.00	6.00	214.00
_	7	133.00	15.00	84.00	7.00	1.00	7.00	247.00
	8	152.00	15.00	96.00	8.00	1.00	8.00	280.00
	9	171.00	15.00	108.00	9.00	1.00	9.00	313.00
	10	190.00	15.00	120.00	10.00	1.00	10.00	346.00
_	11	209.00	15.00	132.00	11.00	1.00	11.00	379.00
	12	228.00	15.00	144.00	12.00	1.00	12.00	412.00
	13	247.00	15.00	156.00	13.00	1.00	13.00	445.00 472.00
	14 15	266.00 285.00	15.00 15.00	162.00 168.00	14.00 15.00	1.00 1.00	14.00 15.00	472.00 499.00
_	16	304.00	15.00	174.00	16.00	1.00	16.00	526.00
	17	323.00	15.00	180.00	17.00	1.00	17.00	553.00
	18	342.00	15.00	186.00	18.00	1.00	18.00	580.00
H	19	361.00	15.00	192.00	19.00	1.00	19.00	607.00
_	20	380.00	15.00	198.00	20.00	1.00	20.00	634.00
	21	399.00	15.00	204.00	21.00	1.00	21.00	661.00
	22	418.00	15.00	210.00	22.00	1.00	22.00	688.00
	23	437.00	15.00	216.00	23.00	1.00	23.00	715.00
-	24	456.00	15.00	222.00	24.00	1.00	24.00	742.00
	25	475.00	15.00	228.00	25.00	1.00	25.00	769.00
		1						

	OUT-C	FSTATI	E OR FO	***************************************		ID Fee		**TOTAL BEFORE
I	Semest	er	Reg	Building	Activity	Non-		BEFORE PARKING &
=	Semest Hours	er Tuition	Reg <u>Fee</u>	Building <u>Use Fee</u>	Fee	Non- <u>Refundable</u>	Fee '	BEFORE PARKING & OTHER FEES
=	Semest Hours 1	er <u>Tuition</u> 310.00	Reg <u>Fee</u> 15.00	Building <u>Use Fee</u> 12.00	<u>Fee</u> 1.00	Non- <u>Refundable</u> 1.00	Fee 1.00	BEFORE PARKING & OTHER FEES 340.00
1	Semest Hours 1	er <u>Tuition</u> 310.00 310.00	Reg <u>Fee</u> 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00	1.00 2.00	Non- Refundable 1.00 1.00	1.00 2.00	BEFORE PARKING & OTHER FEES 340.00 354.00
1	Semest Hours 1	er Tuition 310.00 310.00 310.00	Reg <u>Fee</u> 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00	Fee 1.00 2.00 3.00	Non- Refundable 1.00 1.00 1.00	1.00 2.00 3.00	BEFORE PARKING & <u>OTHER FEES</u> 340.00 354.00 368.00
	Semeste Hours 1 2 3 4	er Tuition 310.00 310.00 310.00 310.00	Reg <u>Fee</u> 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00	Fee 1.00 2.00 3.00 4.00	Non- Refundable 1.00 1.00 1.00 1.00	1.00 2.00 3.00 4.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00
	Semeste Hours 1 2 3 4	er Tuition 310.00 310.00 310.00 310.00 310.00	Reg <u>Fee</u> 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00	Fee 1.00 2.00 3.00 4.00 5.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00	1.00 2.00 3.00 4.00 5.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00
	Semeste Hours 1 2 3 4 5 6	er Tuition 310.00 310.00 310.00 310.00 310.00 310.00	Reg <u>Fee</u> 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00	1.00 2.00 3.00 4.00 5.00 6.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00
	Semest <u>Hours</u> 1 2 3 4 5 6 7	er Tuition 310.00 310.00 310.00 310.00 310.00 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00
	Semest <u>Hours</u> 1 2 3 4 5 6 7 8	er Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00 438.00
	Semesti Hours 1 2 3 4 5 6 7 8 9	Pr Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00
	Semeste Hours 1 2 3 4 5 6 7 8 9	er Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00
	Semesti Hours 1 2 3 4 5 6 7 8 9	er Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Reg <u>Fee</u> 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00	Non- Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00
	Semesti Hours 1 2 3 4 5 6 7 8 9 10 11 12 13	er Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Reg <u>Fee</u> 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00 508.00
	Semesti Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14	er Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Reg <u>Fee</u> 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 162.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00 508.00 516.00
	Semest Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	er Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Reg <u>Fee</u> 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 162.00 168.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00 508.00 516.00 524.00
	Semest Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	er Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 108.00 120.00 132.00 144.00 156.00 168.00 174.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00 508.00 516.00 524.00 532.00
	Semest Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	er Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 120.00 132.00 144.00 156.00 168.00 174.00 180.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00 508.00 516.00 524.00 532.00 540.00
	Semest Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	er Tuition 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 120.00 132.00 144.00 156.00 168.00 174.00 180.00 186.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00 508.00 516.00 524.00 532.00 540.00 548.00
	Semeste Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	er Tuition 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building <u>Use Fee</u> 12.00 24.00 36.00 48.00 60.00 72.00 84.00 96.00 120.00 132.00 144.00 156.00 162.00 168.00 174.00 180.00 180.00 192.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00 508.00 516.00 524.00 532.00 540.00 548.00 556.00
	Semeste Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	er Tuition 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 120.00 132.00 144.00 156.00 168.00 174.00 180.00 186.00 192.00 198.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00 508.00 516.00 524.00 532.00 540.00 548.00 556.00 564.00
	Semeste Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	er Tuition 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 120.00 132.00 144.00 156.00 168.00 174.00 180.00 180.00 192.00 198.00 204.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00 508.00 516.00 524.00 532.00 540.00 540.00 556.00 556.00 572.00
	Semeste Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	er Tuition 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 120.00 132.00 144.00 156.00 168.00 174.00 186.00 186.00 192.00 198.00 204.00 210.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00 508.00 516.00 524.00 532.00 540.00 548.00 556.00 564.00
	Semeste Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	er Tuition 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 120.00 132.00 144.00 156.00 168.00 174.00 180.00 180.00 192.00 198.00 204.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 19.00 20.00 21.00 22.00 23.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00 23.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00 438.00 452.00 466.00 480.00 494.00 508.00 516.00 524.00 532.00 540.00 540.00 556.00 556.00 564.00 572.00 580.00
	Semeste Hours 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	er Tuition 310.00	Reg Fee 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00 15.00	Building Use Fee 12.00 24.00 36.00 48.00 60.00 72.00 84.00 120.00 132.00 144.00 156.00 168.00 174.00 186.00 198.00 198.00 204.00 216.00 216.00	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00	Non-Refundable 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Fee 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00	BEFORE PARKING & OTHER FEES 340.00 354.00 368.00 382.00 396.00 410.00 424.00 424.00 452.00 466.00 480.00 494.00 508.00 516.00 524.00 532.00 540.00 548.00 556.00 556.00 564.00 572.00 580.00 588.00

LAB FEES

Art - Basic Photography (ARTS 2356, 2357)	10 ሰ	w
Art - Dasic Photography (ARTS 2330, 2337)	10.C	'n
Art - Sculpture (ARTS 2346, 2327)	15 C	'n
Automotive Technology (Except AUTO 1301, 2377)	13.C	'n
Pielem (Event BIOL 1170, 2206)	15 (<i>∞</i>
Biology (Except BIOL 1170, 2306)	13.U	<i>.</i> 00
Building Trades (Except BLDG 2377)	24.L	JU .
Business Computer Info Systems (Except 1200, 2377)	15.	JU
Chemistry (CHEM 1105,1111,1112, 2101, 2123, 2125)	15.0	JU .
Child Development (CHLD 1302, 1305, 1307, 1311, 1408, 2304, 2305, 2306, 2403)	10.0	<i>J</i> U
Clinical Laboratory Science (CLSC 1211, 1212, 1220, 1500, 2211, 2212)		
Computer Science (All Courses)	15.(<i>X</i> 0
Culinary Arts (CULI 2215,2216,2217))	24.(00
Diesel Mechanics (Except DESL 1377, 2377)	24.(00
Drafting (Except DRAF 1401, 2377, 2408, 2418)		
Drafting (DRAF 2408,2418)	24.(00
Elect. & Electronics (Except ELEC 2205, 2302, 2305, 2377, 2414)	24.(00
Elect. & Electronics (ELEC 2414)	15.0	00
English (ENGL 0171, 0172, 0173, 0174 Word Processing)	. 5.(00
English (ENGL 0370,1301, 1312, 2311 Word Processing)	10.0	00
Fire Technology (FIRE 1204, 1402, 1503)	24.(00
Foreign Language (All 1411 and 1412 courses)	10.0	00
Geology (GEOL 1403, 1404)	15.0	00
Health Education (PHED 1171, 2171)	. 5.0	00
Health Education (PHED 1171, 2171)Heating, Vent, Air Conditioning (Except HVAC 2302, 2305, 2377)	24.(00
Law Enforcement/Criminal Justice (CRIJ 2370)	20.(00
_aw Enforcement/Criminal Justice (CRIJ 2471)	24.0	00
Law Enforcement Academy (CRIJ 2475)		
Law Enforcement Academy (CRIJ 2476)		
Machine Technology (Except MACH 2377)		
Maintenance Technology (Except MAIN 1402, 2404)	24 ('n
Mass Communication (COMM 1316, 1318, 1319, 2120, 2121, 2122, 2220, 2324, 2325, 2326)	10 C	'n
Music, Class Instruction (MUSI 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177)		
Nursing (Event NI IRS 1201 1611 2344)	15.C	'n
Nursing (Except NURS 1201, 1611, 2344)	10.C	'n
Office Systems Technology (OFST 1200, 2101)	5.C	ν M
Office Systems Technology (OFST 1200, 2101)	10.U	ν ν
Onice Cystems Technology (Cr. St. Except 1200, 2101, 1324, 1401, 1402, 1313, 2377, 2420)	10.L	N N
Petroleum Technology (PETR 1380)Photography (Except PHOT 2370, 2377, 2390)	10.L	<i>1</i> 0
Physical Education (PHED 1100, 1107, 1306)	10.L	<i>1</i> 0
Physical Education (PHED 1108, 1109, 1117, 1119, 1152)	1U.L	NO.
Physical Education (Except PHED 1100, 1107, 1108, 1109, 1117, 1119, 1136, 1137, 1138, 1141,	24.U	JŲ.
-1150, 1171, 1000, 1001, 1004, 1005, 1007, 1100, 1109, 1117, 1118, 1100, 1107, 1100, 1141, 1150, 1171, 1007, 10070		٠.
1152, 1171, 1238, 1301, 1304, 1306, 1346, 2136, 2137, 2138, 2139, 2141, 2171, 2278, 2376)		
Physics (All Courses)	5. 0	N)
Taulologic recinology (AMAT 1111, 1112, 1314, 1402)	15.0	XU
Reading (All Courses per semester hour)	2.0	Ю
nespiratory Care (MESP 1115, 1301, 1310, 1332, 1400, 1405, 2315, 2320, 2364)	5.0	Ю
Surgical Technology (SURG 1411)		
Welding (Except WELD 2377)	24.0	Ю

Travel Fees Courses which necessitate student BIOL 2470, Marine Ecology, will have instructor or department chair for de	ve additional fees for tr		
Testing Fees			
Course	No. Test	Cost per Test	Total
NURS 1503 NURS 1612 (Kermit Only)	1	8.00	8.00
NURS 1613 (Kermit Only) NURS 1613 (Kermit Only)		8.00	
NURS 1615 (Kermit Only)	I	0.00	
NURS 1630		0.00 0 AA	24.00
NURS 1805			
NURS 1821			
NURS 2534 (spring)			
NURS 2535 (fall)			
NURS 2535 (spring)		0.00	
NURS 2807			
NURS 2808			
RESP 1333			
RESP 2362			
Late Registration Fee Law Enforcement Academy (Equipm Law Enforcement/Criminal Justice - Legal Assistant Access Fee (Except LVN Nursing (Andrews Equipment F LVN Nursing (Andrews State Licens LVN Nursing (Kermit Equipment Fee Red Cross Certification Fee (PHED Respiratory Care (Equipment Fee R	nent and Books, Estim Correction Officer Skill 12377) Fee-NURS 1611) Ee Fee/Review Course B-NURS 1611) 1306)	ated)s (CRIJ 1373) Fee-NURS 1615)	206.00 40.00 15.00 129.00 255.00 110.00 5.00
Schedule Change Fee			5.00
Student Identification Fee (Each Se	mester, Non-Refundat	le)	1.00
Student Liability Insurance (Fall an	d Spring Semester)		8.00
Student Liability Insurance (Summe	er and)		6.00
Student Liability Insurance (Cosme			
Transcript Requested from OC, Offi	cial Copy	•••••	3.00
Transcript From Another Institution			5.00
"Vehicle Registration, Fall and Spri			
"Venicie Hedistration, Summer I an	•	age is required for studen	

Estimated Cost Per Semester

Students must purchase their own textbooks, workbooks and supplies such as paper and pencils. Some courses also require the purchase of special supplies.

Estimated in-District Student Expe	nse		
Semester Hours	3	9	15
Required Tuition and Fees	\$100	\$268	\$424
Parking Fee (optional)	4	4	4
Property Deposit	10	10	10
Lab Fee (average \$15 per course)	15	30	30
Books (based on \$60 per book)	60	180	300
Total per Semester	\$189	\$492	\$768
Estimated Out-of-District Student I (Non-Resident of the College District)			
Semester Hours	′ з	9	15
Required Tuition and Fees	\$115	\$313	\$499
Parking Fee (optional)	4	4	4
Property Deposit	10	10	10
Lab Fee (average \$15 per course)	15	30	30
Books (based on \$60 per book)	60	180	300
Total per Semester			



PAYMENT POLICIES

Refund Policy

Tuition and fees paid directly to the college by a sponsor, donor, grant, loan or scholarship shall be refunded to the source rather than directly to the student.

Class day means the day the session is designated to begin and each consecutive school day on which classes are held thereafter.

To have a refund authorized, a student must present a completed withdrawal request form to the Registrar's Office. Refer to the section in the catalog or Student Handbook on "Withdrawal" for procedures.

Canceled classes: If a class is canceled by the college, all tuition and fees for that course will be refunded.

Dropped courses: Students who drop one or more classes before the first day of class but remain enrolled at Odessa College will have 100 percent of applicable tuition and fees less a drop fee of \$5 refunded.

Courses dropped on or after the first day of class will have tuition and fees refunded according to the following schedule:

Withdrawal from the college: Students who officially withdraw from Odessa College will have their tuition and mandatory fees refunded according to the following schedule:

Summer Semesters

When withdrawal occurs:	
Prior to the first class day	
(less \$15 registration fee)	100%
During the first five class days	70%
During the sixth and seventh	
class days	25%
After the seventh class day	
The same continue or and and a same or and a same or a s	

Payment by check: Positive identification (driver license preferred) is required for any payment to OC. Checks are accepted for the exact amount of tuition and fees only. All checks are to be payable to Odessa College. The college does not accept two-party checks or payroll checks.

Payment by credit card: The college will accept VISA, MasterCard, American Express and Discover for payment of tuition and fees with proper approval.

Returned check policy: Checks for tuition and fees returned by the bank for any reason constitute the student's automatic withdrawal from all classes, unless the tuition and fees are paid within five days of the date notification is mailed to the student. All returned checks are collected through Checks Recovery and Verification. A returned check fee of \$25 plus tax is charged per check by Checks Recovery and Verification. OC reserves the right to require payment in cash from individuals with a history of returned checks. Stop payments will be considered the same as returned checks.

Schedule change fee: A schedule change fee of \$5 will be charged for classes added during the first 12 class days of a regular semester or during the first four class days of a summer session except when the change is for the convenience of the college, a change in class time, a departmental request, etc.

All exceptions to the assessed schedule change fee will be made in the Registrar's Office. No schedule change will be processed until all fees associated with the change are paid.

STUDENT FINANCIAL SERVICES



Odessa College is firmly committed to the philosophy of assisting those students who do not have the financial resources to pay for higher education but who wish to attend college. Of equal importance is the awarding of academic scholarships to recognize those students who exhibit superior scholastic abilities.

The Student Financial Services Office administers four broad program areas: grants, employment, scholarships and loans. An institutional application and a Free Application for Federal Student Aid (FAFSA) are required for all need-based financial aid programs; only an institutional application is required for scholarships. Both the institutional application and the FAFSA are available from OC Student Financial Services. Most high school counselors also have the FAFSA.

When requesting information about financial aid programs, students should ask for an application packet and the Financial Aid Bulletin. The bulletin provides detailed information about aid programs, including general eligibility requirements and satisfactory academic progress.

Types of Student Financial Aid

Grants

The Federal Pell Grant Program provides the foundation of student financial aid and thus serves as the starting point in the aid process. A number of factors including a student's range of eligibility, cost of education and enrollment status determine the award. Pell Grants are awarded in four student-load categories: (1) enrollment in 12 or more semester hours for a full-time award; (2) enrollment in nine to 11 semester hours for three-fourths of a full-time award; (3) enrollment in six to eight semester hours for one-half of a full-time award; and (4) enrollment in less than six hours.

Application for a Pell Grant is made by completing a FAFSA. Students will receive a Student Aid Report (SAR) from the Pell Grant processing center as a result of their application.

The Federal Supplemental Educational Opportunity Grant (SEOG) is for students with high financial need who are enrolled in at least six semester hours. It is usually combined with other forms of assistance to help students meet their cost of education. Application is made by completing a FAFSA.

The Texas Public Education Grant (TPEG) is also for students with financial need. These students should be enrolled in at least six credit hours. It is designed to assist students in enrolling and remaining in college. The FAFSA serves as the application.

The State Student Incentive Grant (SSIG) is a combination Texas-federal grant for students with financial need. The FAFSA serves as the application.

Loans

The Federal Family Education Loan Program (FFELP) (formerly Texas Guaranteed Student Loan Program) is a long-term loan program which allows a student to borrow directly from a bank, savings and loan, credit union or other

lending institution. Because not all financial institutions participate in the program, students may not be able to use their regular banking institution. The Student Financial Services Office will assist in trying to locate a lender if the student is unable to find one.

Application requirements include a FAFSA and an institutional aid application because the FFELP is completely needbased. This program is fully described in the Financial Aid Bulletin.

Federal Stafford Loans are available to dependent, independent and graduate students. Recipients should be enrolled in at least six credit hours and demonstrate financial need as indicated by the FAFSA. Interest rates and payment schedules are available in the Student Financial Services Office.

The Unsubsidized Federal Stafford Loan Program is intended to provide loans primarily to independent students who do not qualify for a subsidized Federal Stafford Loan or who qualify for a subsidized Federal Stafford Loan in an amount less than the annual Federal Stafford limit. The application procedure is the same as for the Federal Stafford Loan Program.

Dependent students who cannot qualify for a Stafford Loan may have their parents borrow for them under the PLUS program. It is not subsidized, the interest rate is variable, and monthly payments usually begin 60 days after disbursement. Parents do not have to fill out the FAFSA.

Short-term institutional loans are made by OC to assist students with registration costs. A student attempting to enroll at OC is eligible to apply if the student has at least a 2.00 GPA, is 18 years or older and does not have an existing short-term loan. The amount of the loan is for tuition and fees for the current semester. These loans are processed on a first-come, first-served basis. Book loans are not available.

Campus Employment

The Federal College Work-Study Program (FCWS) provides employment opportunities to students who have established financial need. Students work in a wide variety of jobs compatible with

their interests and abilities and are paid at least the prevailing minimum wage. Although need determines the amount of total allowable earnings, students generally do not work more than 20 hours per week and arrange their working hours so as not to conflict with classes. Application for the program is made by completing a FAFSA.

The Texas College Work Study
Program provides employment
opportunities to students who have
established financial need. Funds are
limited and athletes are not eligible for the
program. Application for the program is
made by completing the FAFSA.

Non-Work-Study Jobs are available in some departments. These part-time jobs are not need related and the employing department has considerable flexibility in meeting employment needs. Applications may be made to the department in which the student is interested in working.

Scholarships

Odessa College annually awards more than \$150,000 in academic scholarships to recognize scholastic merit. Some scholarships have no residency requirements. Others are designated for individuals from Ector County and 14 other West Texas counties: Andrews, Brewster, Crane, Culberson, Gaines, Jeff Davis, Loving, Pecos, Presidio, Reeves, Terrell, Upton, Winkler and Ward. These scholarships are awarded based on varying levels of academic achievement.

Please note: A list of scholarships, amounts of each, number awarded each year and requirements is available from OC Student Financial Services.

Scholarships awarded by Student Financial Services: April 15 is the deadline to apply for academic scholarships awarded by OC for the fall semester. These include the Half Century, Leland Croft, L.M. Adair, Odessa College Academic, Parker Endowment, Property Deposit, Davidson, Mary and Travis Simpson, Slaton-Bassett, and Trigger Vance Phillips scholarships. Students apply to the Student Financial Services Office.

Departmental scholarships are offered each year through the art and music departments and are awarded based on performance, merit, skill and ability. Among these is the recently established Larry Gatlin Scholarship, which will be awarded to a second year music student. Other departments that award scholarships are cosmetology, nursing, petroleum, photography and social sciences. Specific information and application requirements may be obtained by contacting the particular department chair of the scholarship area in which the student is interested.

The Permian Honor Scholarship Foundation invites graduating high school seniors who rank in the top 25 percent of their class to apply for a Permian Honor Scholarship. If selected, a student is granted \$250 per semester for eight consecutive, full-time semesters; four semesters are applicable at OC while the remaining four semesters are available at the University of Texas of the Permian Basin. Students must complete each semester with a minimum of 12 credit hours and with a 3.0 grade point average to maintain their eligibility. Applications are available from the foundation or from area high school counselors.

Other scholarships: In addition to the scholarships described above, others are available to students attending Odessa College. Many individuals and organizations cooperate with OC in their search for scholarship recipients. These awards are not controlled by, nor are selections made by the college, but every attempt is made to provide applications to these parties within the framework of applicable restrictions. Since some organizations do not contribute annually and other contributors are not known at print time, it is not possible to catalog and list each donor.

Valedictorians

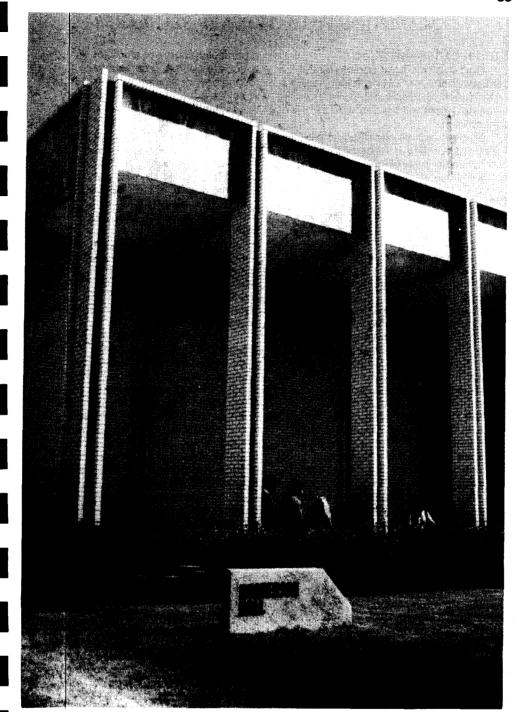
Valedictorians of Texas high schools are eligible for exemption from payment of tuition during both regular semesters at Odessa College following their graduation from high school. Since this is only a

tuition exemption, valedictorians are encouraged to apply for other scholarships because their top-ranking status is certainly worthy of consideration for other awards.

Veterans

Veterans interested in taking advantage of their benefits to pursue or further their education are encouraged to contact the veteran's officer at Odessa College. As with the other programs described previously, students are strongly encouraged to inquire into the possible benefits of the Department of Veterans Affairs as far in advance of the semester of planned attendance as possible. This procedure facilitates the coordination of educational claims for benefits between OC and the regional VA office and avoids delays that could occur in the award cycle. The Veteran's Office is a component of the Student Financial Services Office located in Room 203 of the Student Union Building. Veteran students are responsible for following all regulations of the VA and for notifying both the regional VA office in Waco and the OC Veteran's Office of any change in enrollment that may affect their educational benefits.





ACADEMIC AND CLASS INFORMATION

ACADEMIC INFORMATION AND STANDARDS

Student Classification

Students who have completed 29 semester hours or fewer will be classified as freshmen. Students with more than 29 semester hours will be classified as sophomores.

Students will be classified as full-time if they are enrolled in 12 or more semester hours. Students enrolled in fewer than 12 hours will be classified as part-time.

Class Attendance

Students are expected regularly to attend all classes in which they are enrolled. Records of student absences are kept by instructors; when students are absent from class, they are responsible for consulting with the instructor regarding the absence.

Students who plan to be absent to observe religious holy days must submit such notification in writing and either personally give it to the instructor of each class or mail it to each instructor. Each instructor will date and sign an acknowledgment of receipt of the notification. The procedure may be handled in writing, in person or by certified mail with return receipt requested. Such notification to instructors must be made no later than the 15th day after the first day of the semester in which the absence is expected to occur. Within a reasonable time after students return to class following observance of religious holy days, they will be allowed to make up examinations or to complete assignments scheduled during their absence.

Class Load

The normal class load that full-time students may carry during a regular semester will vary with the particular courses for which they have enrolled. Students are classified as full-time when they are enrolled in 12 or more semester hours, but students will normally enroll in 15 to 18 hours each semester as outlined in their course of study or degree plan. Students will not be permitted to take more than six classes of three or more semester hours in one semester without written approval from the Registrar's Office unless

a particular course of study for an associate degree, a certificate of technology, or a certificate of completion specifies a total semester-hour load exceeding 18 hours.

A normal load during each term of the summer session will vary from three to seven semester hours. Generally, the maximum credit that a student may earn during the entire summer sessions is 14 semester hours. In the midwinter session, one course may be taken for the normal amount of credit derived during a regular semester.

The maximum course load for students enrolled in evening classes depends on individual circumstances and ability of the students. The normal load for evening students who have full-time employment is six semester hours or two courses.

Students who are employed while attending classes or who have experienced difficulty previously in academic work should plan course loads in such a way that ample time can be given to all these demands. Usually, three hours of preparation time are needed for each hour of classroom time. Therefore, an average student should plan on investing nine hours of preparation time outside of class each week for each three-hour course taken. Students are encouraged to consult a college counselor or faculty advisor to determine the best program possible.

Schedule Changes

At the beginning of each semester, the college designates a time for students to change their schedules by adding and/ or dropping classes. These dates and times are specified in the credit class schedule for the semester. A schedule change fee of \$5 will be charged for all changes except those caused by the college or those in which a student is only adding hours to the existing schedule.

Withdrawal

So that all records are left in proper order, students who leave OC before the end of a semester or before the end of a

class for which they are registered must follow the official withdrawal procedure, which students themselves initiate in the Registrar's Office. Students who wish to withdraw should appear in person unless there are extenuating circumstances. When an individual other than the student initiates a withdrawal, that individual must be identified and verified for the student's protection. Students who stop attending class without officially dropping will receive an "F" in the class for the semester.

Students who drop classes or withdraw prior to the official census day for the semester will not be assigned a grade for the class or classes dropped. No record of the class will appear on their permanent academic records.

Grades of "W" will be assigned to all students who withdraw or drop semester-length classes during the official withdrawal period of any semester. Students who withdraw or drop classes will be responsible for contacting their instructors as a routine part of the withdrawal process. The instructor will assign a grade of "W" and sign the withdrawal form. Students will then return the form to the Registrar's Office. A grade of "W" is assigned through the official withdrawal period for any semester.

The college reserves the right to withdraw students from any one or all of their classes if, in the judgment of college officials, such withdrawal is in the best interests of the students or the student body.

Advanced Standing and Credit by Examination

Odessa College is an open testing center for College Level Examination Program (CLEP) and will administer those examinations to anyone making application, subject only to restrictions established by the Educational Testing Service and the College Entrance Examination Board. Advanced standing and/or credit may be awarded in some areas by Advanced Placement (AP) exams taken at the high school level. Departmental examinations are administered in most areas in which CLEP examinations are not used at OC. Specific information about CLEP examinations may

be obtained in the Testing Center.
Department chairs should be contacted regarding applications for advanced standing examinations, credit by departmental exam, or advanced standing and/or credit through AP exams.

Odessa College will accept a total of 15 semester hours of advanced standing credit awarded either by the College Level **Examination Program subject** examinations, through credit awarded through Advanced Placement (AP) exams, or by approved OC departmental examinations. (Exceptions for additional hours may be granted in some specialized programs such as law enforcement, nursing and cosmetology, or special circumstances which have been approved by the appropriate division dean.) Students must complete in-residence credits equal to the number received by examination before credit by CLEP, AP or departmental examination will be noted on the student's permanent record card. (Exceptions may be granted in law enforcement or special circumstances which have been approved by the appropriate division dean.)

Students who do not pass a departmental advanced standing examination may retake the test after a period of six months has elapsed, but they must receive permission from the respective department chair in order to do so. No departmental examination may be repeated more than once.

Students who receive advanced standing credit in a course may not apply for advanced standing in prerequisite courses or courses otherwise considered lower in level than the one for which they currently have credit or are currently enrolled. Exceptions would be approved by the respective division dean.

Examinees should check with senior institutions of their choice concerning the acceptance of credit earned by advanced standing examinations. Transcripts will record credit given by examination but will not list a specific grade. Hours earned by examination will not be included in computing grade point averages, scholastic hours, residence requirements for graduation, or credit load requirements for Social Security or Veterans Affairs benefits.

Honor Roll

Students enrolled in 12 semester hours or more during a long semester and making a grade of "A" in all courses are listed on the summa cum laude honor roll. Full-time students who make no grade lower than "B" are listed on the cum laude honor roll.

Part-time and summer session students enrolled in two courses for a total of six semester hours or more and make a grade of "A" in all courses are listed on the part-time student or summer session summa cum laude honor roll. Part-time students enrolled in two or more courses totaling six semester hours or more with no grade lower than "B" are listed on the part-time cum laude honor roll.

Graduation with Honors

A candidate for the associate degree who has completed at least 30 semester hours in residence at Odessa College will be eligible for graduation with honors. A student with a grade point average of 3.5 to 3.699 will be graduated cum laude, a student with a grade point average of 3.7 to 3.899 will be graduated magna cum laude, and a student with a grade point average of 3.90 to 4.0 will be graduated summa cum laude.

Grades

calculations:

Grading measures the ability of students to master specific objectives within a given course. A grade is based upon the level of performance in examinations, term papers, reports, class discussion and the final examination in the course or project. Odessa College uses the following grade and grade point system:

		Points Per
		Semester
Grade	Description	<u>Hour</u>
_ A	Excellent	4
В	Above average	

Grade

 Grade Description
PA Passing
I Incomplete

P In Progress

Z No grade assessed; requires re-enrollment.

Restricted to developmental courses.

N Audit

W Withdrawn

S Advanced Standing (credit by examination)

T Transfer credit

Note: If a course is repeated, the latest grade will be computed in the GPA if the student requests this option in the Registrar's Office. Some schools to which the student might transfer may not exclude the first grade when calculating the student's GPA.

Students are obligated to know their standing and rating in college classes during the semester and to secure these ratings before registering for the next semester. Students are expected to be familiar with their scholastic status at all times. Advisors and counselors are available and will confer with students during and at the end of the semester concerning unsatisfactory work. Such conferences should help determine the cause of unsatisfactory work, and the counseling staff will advise students on ways to improve their performance and will offer any assistance which the faculty and staff can provide.

Grade Point Average and Semester Hours

There are two bases for computing the grade point average (GPA): the semester grade point average and the cumulative grade point average. The GPA for any semester is determined by multiplying the number of semester hours for each course by the number of grade points corresponding to the final grade for the course. The total of all such products for the semester is then divided by the number of semester hours attempted for that period. When the course is completed and a grade is assigned by the instructor, the grade point average is correspondingly

recalculated. Grades of "W" are not included in the GPA calculation.

The cumulative grade point average is calculated by dividing the total number of grade points by the total number of semester hours attempted by the student in all semesters.

Scholastic Standards

Odessa College is dedicated to providing students with opportunities for success in their course work and with support services. The college recognizes, however, that some students may encounter scholastic difficulties.

Consequently, the college has designed a system of scholastic probation and scholastic suspension to identify students with scholastic problems and to provide a mechanism to aid them in recognizing and solving such problems.

All OC degree and certificate plans require that students have a GPA of 2.0 or higher for graduation; therefore, students are considered to be in good standing as long as they maintain a GPA of 2.0 or higher on a semester or cumulative basis.

Scholastic Probation

At the end of each long semester, academic records of all students will be evaluated according to the following criteria:

I. The grade point average for the semester will be computed. If the GPA is 2.0 or higher, the student is considered to be in good standing.

2. If the GPA is less than 2.0, the cumulative GPA will be examined. If the cumulative GPA is 2.0 or higher, the student is still considered to be in good standing. If the cumulative GPA is less than 2.0, the student will be put on scholastic probation.

Scholastic probation warns students that they need to pay careful attention to academic progress. They will be given the opportunity to take advantage of special study-skills counseling through the OC Counseling Center and appropriate assistance from the developmental education program.

Removal from Scholastic Probation

Students on scholastic probation return to good standing status by earning a GPA of 2.0 or higher the next long semester of enrollment at OC or by having a cumulative GPA of 2.0 or higher at the end of the next semester. A GPA of 2.0 for either the semester or on a cumulative basis will remove students from scholastic probation.

Scholastic Suspension

Students who are on scholastic probation and who do not earn a GPA of 2.0 for the next long semester of enrollment at Odessa College or who do not earn a cumulative GPA of 2.0 by the end of the semester will be placed on scholastic suspension. Students in this category will not be allowed to enroll at OC the next long semester.

Appeal of Scholastic Suspension

Students placed on scholastic suspension may appeal their status to the director of admissions. Extenuating circumstances may allow such students to enroll under continued scholastic probation with specified conditions. Students not in good standing at the end of the continued probation semester must withdraw for the next long semester.

Enrollment After Scholastic Suspension

Students who serve the designated semester of scholastic suspension may enroll for the next long semester. They are, however, still on scholastic probation. At the end of the semester, their GPA will be examined both on a semester and a cumulative basis to determine whether they have returned to good standing.

If their GPA meets minimum requirements, students may continue to enroll without special conditions. If, however, students do not meet minimum GPA requirements, they will again be placed on scholastic suspension. When scholastic suspension occurs a second time, the period of enforced withdrawal will be two long semesters. Following a two-semester enforced withdrawal, students must make a request in writing to the director of admissions for readmission on scholastic probation.

Special Conditions

Students on scholastic probation who enroll in summer school at Odessa College will not have their academic status altered as a result of summer school grades. Students on scholastic suspension who enroll in summer school at OC, who earn a summer GPA of 2.0 or higher, and who pass a minimum of nine semester hours for both sessions may petition the director of admissions for permission to enroll for the fall semester on a continued scholastic probation basis.

Transfer students who are on scholastic probation or the equivalent from the last institution attended and who apply for admission to Odessa College will be required to submit an official transcript for evaluation by the director of admissions. Students who would be eligible to enroll according to OC standards will be admitted and enrolled on scholastic probation for the first semester. Their future academic standing will be determined in the same manner as for other OC students.

Repetition of Courses

All courses, including repeated courses, in which a student is registered on the official day of record will be listed on the official transcript and will appear on the student's permanent academic record. If a course is repeated, the last grade earned will be the grade calculated in the cumulative grade point average when requested by the student in the Registrar's Office. Withdrawals and incompletes, however, may not be used to replace an earned grade. This is not an automatic process. A student must request the change to be made in the Registrar's Office.

Incomplete Grades

The conditional grade of "I" means that students have not completed required work for a course, except in flexible entry classes. The grade may not be given unless students (1) have passed all work completed and (2) have completed a minimum of three-fourths of the required course work.

An "I" grade will not be assigned until conditions for completion of the course work are agreed upon by both the instructor and the student. Whenever possible, such an agreement should be in writing and should be signed by both the instructor and the student. The final decision as to whether a grade of "I" will be assigned rests with the instructor. When an "I" grade is assigned, incomplete work must be completed in the long semester immediately following the one in which the grade was assigned.

Grade Changes

All grade changes must be made by the end of the long semester following the one in which the original grade was assigned. For example, students requesting a change of grade to "W" for an "F" received in the fall semester must make the request during the spring semester immediately following. Students wanting a grade change in a course taken during a summer session have until the end of the fall semester to effect the change. Any "I" grade not completed by the end of the long semester immediately following the one in which the grade was assigned automatically will be changed to a grade of "F" by the college. All grade changes are at the discretion of the instructor or, if the instructor is no longer available, the department chair.

Students are not routinely notified by the college when a grade change has been processed. Students should contact the instructor for the information or should request a new copy of their college transcript.

Transferring Credit

Transfer Credit from Another Institution

Previous course work satisfactorily completed at regionally accredited institutions of higher education will be evaluated for transfer and may be applied toward a degree program at Odessa College.

A transcript will be evaluated after a student has registered for OC credit classes, and it will be evaluated only upon the request of the student. An official transcript is required from each college attended. The request for an evaluation should be made through the Registrar's Office, Room 202 of the Student Union Building.

When the evaluation is complete, the number of transferred hours will be recorded for degree audit purposes only and will be posted to the OC transcript at graduation when the student has satisfied all degree requirements. Only those transfer courses accepted and listed on the student's degree plan will be posted to the OC transcript.

if Odessa College does not accept lower division, academic course credit earned by a student at another Texas public institution of higher education, OC shall give written notice to the student and the other institution that the transfer of the academic course credit is denied. The two institutions and the student shall attempt to resolve the transfer of the academic course credit in accordance with Texas High Education Coordinating Board rules and/or guidelines. If the transfer dispute is not resolved to the satisfaction of the student or the institution at which the credit was earned within 45 days after the date the student received written notice of the denial, the party who is not satisfied shall notify the Commissioner of Higher Education or the commissioner's designee, who shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions. Students shall be aware that this provision was intended to apply to general academic courses such as English, biology, history, government, math and other such courses intended for transfer among Texas public institutions of higher education and may not apply to occupational or technical courses which often vary greatly in content.

Transfer of Odessa College Credit to Another Institution

With the adoption of the Common Course Numbering System, transferring among Texas colleges and universities has become easier. This system allows students to take courses at OC that are numbered the same at many Texas public colleges and universities.

Courses taken at OC normally transfer to all other accredited institutions at face value. Grades earned at one

college cannot be lowered by another college or university. However, courses taken that are not required for graduation at the senior college or university will not apply, and, therefore, should not be taken at this institution. Before registering, students should contact a counselor or advisor at OC for maximum assistance in planning a program.

Senior colleges vary in their recognition of a grade of "D" in a course. Some senior institutions accept a grade of "D" if the student's overall average is "C" or better. Certain senior colleges may require that the student repeat any course in which a "D" has been made.

When enrolling at OC, or before if possible, students should select the senior institution to which they want to transfer after leaving Odessa College. They should become familiar with transfer requirements by contacting the senior institution and then design a suitable course of study to follow while at OC. Counselors and advisors will assist.

Generally speaking, senior institutions will not accept more than 66 semester credit hours in transfer. Students should avoid exceeding this number of hours. Senior colleges vary greatly in their practices regarding allowance of credit for courses pursued at junior or community colleges.

When students at Odessa College transfer to another institution, no transcripts will be released until all records at OC have been cleared.

If another Texas public institution of higher education does not accept lower division academic course credit earned by a student at OC, that institution is obligated by the Texas Higher Education Coordinating Board to give written notice to the student and OC that the transfer of the academic course credit is denied. The two institutions and the student shall attempt to resolve the transfer of the academic course credit in accordance with **Texas Higher Education Coordinating** Board rules and/or guidelines. If the transfer dispute is not resolved to the satisfaction of the student or Odessa College within 45 days after the date the student received written notice of the denial, the party or parties who is/are not satisfied shall notify the Commissioner of

Higher Education or the commissioner's designee who shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions. Students should be aware that this provision was intended to apply to general academic courses such as English, biology, history, government, math and other such courses intended for transfer among Texas public institutions of high education and may not apply to occupational or technical courses which often vary greatly in content.

Military Experience and College Credit

Odessa College does not routinely give academic credit for military experience. If individuals have acquired skills normally learned in a course or in courses in their degree plan, they are encouraged to utilize the credit by examination option. OC does award credit for physical education activity courses when a DD-214 is properly submitted to the Registrar's Office.

Students who have passed military CLEP examinations may have those results evaluated as if the testing were done under OC guidelines. Credit will be awarded only if credit would be awarded on the basis of examinations taken at OC.

If military credit has been awarded on an official transfer transcript from an institution accredited by the appropriate regional accrediting association, that credit will be evaluated in the same manner as any other transfer work.

Articulation with Area High Schools

Articulation agreements between Odessa College and area school districts provide the opportunity for advanced placement in Odessa College for students enrolled in technical programs offered at Odessa College.

These agreements permit students to move directly into advanced courses upon presentation of evidence of skill mastery determined by appropriate documentation.

Information regarding these articulation agreements can be obtained from the Odessa College Admissions Office, Odessa College counselors or high school counselors.

Tech-Prep Programs

Odessa College is an active participant in tech-prep activities at the national, state and local levels. Designed primarily to insure that high school students are prepared to meet the challenges of today's technology in the work environment, tech-prep programs offer students the work place skills and technical training to place them into good jobs in their selected field or to go on to additional education.

Local public schools and Odessa
College work closely together in tech-prep
programs to be sure that students are
prepared for high level classes and to be
certain that students do not have to repeat
work they have mastered in high school
when they enter college. OC awards
college credit to tech-prep students for
courses (approved in each program) they
have taken in high school.

Approved tech-prep programs are available in the following areas: child development, law enforcement, nursing and office systems technology. Other programs are being developed. Students who are interested in tech-prep programs should contact their high school counselor or an OC counselor for more information.

Transcript of Record

The transcript of record is an official copy of the student's permanent record. Copies will be supplied upon written request. Students may instruct the Registrar's Office to mail official transcripts to colleges or universities to which they are applying or to prospective employers, etc. A \$3 charge will be made for all copies. Transcripts become the property of OC and cannot be returned to the student. Transcripts will be kept on file for one year and will be destroyed if the student has not enrolled.

A transcript of continuing education units earned in a non-credit course is available through the Continuing Education Office.

To protect student records, Odessa College adheres to the conditions by which information about students can be released as set forth in The Family Educational Rights and Privacy Act of 1974, as amended.

PLANNING AND APPLYING FOR DEGREES AND CERTIFICATES

Students working toward a degree or certificate should consult a counselor or faculty advisor early in their academic career to ensure that all required courses are being completed. Students should complete written degree/certificate plans well in advance of anticipated graduation with the assistance of the appropriate department chair, division dean or with an OC counselor. The student will file a written, signed copy of the plan with the Registrar's Office.

Preparation for Degree Study

The Texas Higher Education Coordinating Board recommends that high school students who plan to seek a fouryear college degree follow the advanced or the advanced honors diploma option. Students who plan on earning a technical degree (A.A.S.) should follow a tech-prep plan when possible. If a tech-prep program does not exist in the desired field, a student should follow the advanced or advanced honors diploma option and take electives in the field of interest. Students who graduate with the regular high school diploma are still admitted to OC but may find themselves needing to take courses that are not in the degree plan in order to prepare them for the higher-level courses or degree study.

Adults who have been out of the educational system for a period of time or who may not have earned a high school diploma or GED are encouraged to pursue degree options. Career exploration opportunities are available and placement tests may be given to help determine what preparation, if any, a student may need in order to succeed in degree courses.

Graduate Guarantee

In April of 1992, the Odessa College Board of Trustees adopted a resolution which guarantees, with certain limitations, the associate degrees and certificates awarded by OC. The guarantee refers to the transferability of academic credits and technical job skills. Specific details concerning this guarantee may be obtained through the Office of the Executive Vice President for Instruction.

Catalog Applicability

Students may graduate under the catalog in effect when they first entered OC so long as no more than seven years have elapsed since their initial registration. If the time limit has passed and students still wish to be certified on the basis of the requirements of the catalog under which they first entered, they must petition for such certification to the appropriate department chair.

Graduating students also have the option of graduating under the catalog in effect at the time of completion. The decision as to which catalog will apply for graduation should be made only after consultation with the appropriate academic advisor.

Applying for Graduation

Students completing degree requirements during the summer or in December are encouraged to participate in spring graduation ceremonies. Students who complete requirements at the end of the spring semester will be expected to participate unless unusual circumstances prevent such participation.

To receive an associate degree from Odessa College, students must complete degree requirements as set forth in the catalog and complete a degree application in the Registrar's Office by the deadline specified in the official college calendar. Summer graduates should observe the deadline for fall graduates.

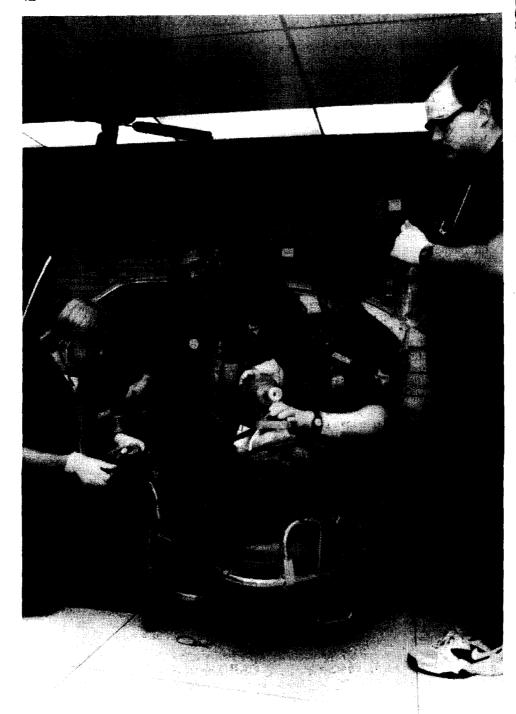
OC charges a \$15 graduation fee. Students also pay fees for caps and gowns and invitations.

Second Degrees

Students who have earned a degree at Odessa College may apply for a second degree after all stated requirements for the second degree have been completed, including a minimum of 15 semester hours taken in residence at OC after the initial degree has been awarded.

Deadline for Degree and Certificate Applications

Students must complete a degree or certificate application within 12 months after completion of their degree or certificate requirements. Applications received after the designated time limit will be reviewed and evaluated by the director of admissions and registrar.



INSTRUCTIONAL SUPPORT SERVICES

Odessa College makes available to students and community members a variety of programs and services. These offerings support the instructional mission of the college and offer enrichment opportunities to participants.

Student Information Center

Every new student who attends Odessa College begins the admission process in the Student Information Center, which is the hub of the Enrollment Management division. The Student Information Center provides information about getting started in college. The center also sponsors lectures, workshops, facilitates the admissions process, provides general OC information and offers campus tours. The Student Information Center staff is available to help potential, current and existing students with college forms, questions and information about college in general.

Counseling and Academic Advising

The Counseling Center exists to help students make decisions and solve problems. Some of the services available to students are academic advisement, admissions/transfer information, crisis intervention, individual or group counseling and vocational guidance.

Assistance is free and confidential.

Any problem or concern that interferes with the attainment of academic, vocational or personal goals can be discussed with a counselor of the student's choice. Students who have visited the Counseling Center have received help in clarifying educational and personal goals, selecting careers and college courses, reducing stress and worry, improving family and other relationships and improving communications and decision-making skills.

Counseling at Odessa College includes many programs designed to promote the success and well-being of students. The staff also welcomes requests for help or information from community members.

The center is located in Room 204 of the Student Union Building. Students may drop by or schedule an appointment to see a counselor. Periodically, special activities, programs and structured group experiences will be offered as well.

TASP — Texas Academic Skills Program Requirements

The Texas State Education Code requires that all students "who enter public institutions of higher education in the fall of 1989 and thereafter must be tested for reading, writing and mathematics skills." This includes all full-time and part-time freshmen enrolled in a TASP-liable certificate or degree program, any non-degree students prior to the "accumulation of nine or more [college] credit hours or the equivalent," and "any transfer students with less than a bachelor's degree who have not previously taken the tests."

Performance on the test will not be used as a condition of admission. The test fee will be paid by the student. If the student does not take the TASP before the accumulation of nine college-level credits, he or she will be blocked from taking any courses other than remedial or Level I certificate courses until the TASP is taken.

Some students may be exempt from taking the TASP. A list of exemptions for TASP can be found in the TASP registration bulletin available in the OC Testing Center or Counseling Center. Vocational/technical students may be able to temporarily avoid taking the TASP if they are enrolled in an approved TASP-waived certificate program. Students should check with an OC counselor if they think they may be exempt or temporarily waived from the TASP requirements.

If a student has failed one or more portions of the TASP, Texas state law requires a student to be enrolled in and regularly attending some form of remediation continuously until he or she passes all portions of the test. State law requires that the student who is enrolled in remediation as a result of a TASP failure must satisfactorily participate in that remedial program. OC defines the student's satisfactory participation in remediation as consistent attendance coupled with continuous progress through the content of the remedial program.

The following policies apply to any student placed in a remedial program as a result of his or her failing a portion of the TASP:

- In a three-hour credit course, if the student is absent for six (6) or more consecutive hours of the course's scheduled instruction, he or she is subject to complete withdrawal from the college. If the student is absent for a total of nine (9) hours of instruction throughout the course, he or she is subject to complete withdrawal from the college.
- In a flexible-entry remedial course or program, if the student fails to meet with the instructor within one (1) week following registration or fails to meet with the instructor at least once every two (2) weeks thereafter, he or she is subject to complete withdrawal from the college.

Learning Assistance

Students who come to Odessa College with diagnosed conditions which may interfere with learning can receive special assistance. Accommodations for learning disabilities and/or ADD/ADHD may be provided when a student requests them. A Request for Accommodations form and guidelines for beginning the request process are available in the Counseling Center.

Disabled Students

In accordance with federal laws and regulations, Odessa College does not discriminate on the basis of disability in the recruitment and admission of students, the employment of faculty and staff and the operation of any of its programs and activities. The vice president for Student Life is designated coordinator for college compliance with Section 504 of Rehabilitation Act of 1973 and with the Americans with Disabilities Act of 1990.

Disabled students should contact the Odessa College Counseling Center or the Office of the Vice President for Student Life for information regarding services available.

The college strives to provide a complete range of services for students with special needs such as class arrangement, tutoring, personal counseling, health services and reserved parking.

Special Projects

The Special Projects Office provides services to technical-vocational students who meet project guidelines. Assistance may include textbook loans, child care, transportation, financial aid referrals, advisement and workshops for eligible single parents, displaced homemakers or participants in designated non-traditional programs. Services are contingent on available federal funds.

Career Services

The Career Services Center is located in Room 205 of the Student Union Building. Career-related services are available to credit and non-credit students and graduates. Occupational information, career counseling and degree planning are available as well as computerized career assessments and referral for traditional career testing. Seminars on interviewing skills, resume writing, career and college choices and job hunting skills are offered throughout the year. The center maintains a career resource library for student use.

The center also maintains a job bank of both part-time and full-time employment. Information on local, state and national job openings is available. OC sponsors a career/job fair each year during the spring semester.

Students who have not yet decided on a major, need career information, referral to other services, college transfer information or job placement assistance should contact the Career Services Center.

Testing Center

The Testing Center, located in Room 200 of the Gymnasium, offers a variety of testing and assessment services designed to help students set and meet educational and career goals. Placement testing for students enrolling in English, math and/or biology is scheduled during registration periods and on a regular monthly basis. The Testing Center also schedules entrance examinations for specific programs such as nursing, surgical technology, physical therapy assistant and the law enforcement academy.

Ability, career interest and interpersonal inventories are offered to students who are seeking increased self-awareness for career and educational decisions. A small fee is charged for these tests. The center is the testing site for telecourse students or those who are in special testing situations. Students who use the services of the Testing Center must provide picture identification.

OC is an approved testing site for standardized state and national exams such as TASP, ACT, SAT and GED, which are associated with college admissions and placement. Registration booklets and schedules of fees for these exams are available on campus or from local high school counselors. Students also may take CLEP exams through the OC Testing Center.

Learning Resources Center

The Murry H. Fly Learning Resources Center (LRC) supports the college's curriculum resulting in a primary emphasis on each student's individual study and research needs. The faculty and staff work with the LRC's Technical Services and Public Services Departments in choosing materials to support all college programs. More than 76,936 books, 460 current periodicals, eight daily, weekly and national newspapers, and 5,162 media holdings are available to enhance the educational process.

Students can take advantage of research services by attending orientations or instructional class tours. Emphasis is placed on identification of sources, retrieval of information, quality judgment and use of research tools such as the on-line public access catalog and

CD-ROM and First Search Internet databases. Brochures and handouts are available for more complete information. In addition, there is a large reserve collection for specific assignments which provides supplemental materials for students.

The LRC's Media Services
Department delivers and maintains audiovisual equipment for classroom instruction as well as campus functions. Graphic design also is offered to assist classroom and campus needs.

The LRC seeks to provide the finest informational services possible.

Suggestions and comments to improve all areas of the LRC are continually and seriously are invited.

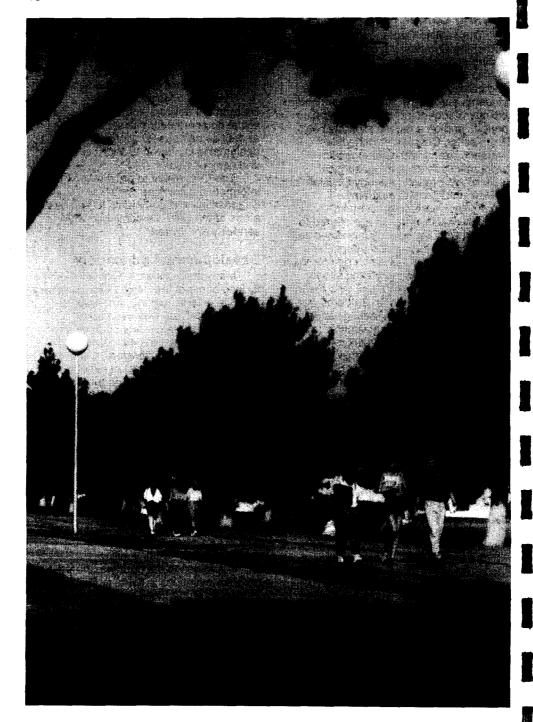
Developmental Education

Many students enter Odessa College lacking some of the basic skills necessary for college level reading, writing and mathematics. The Developmental Education program offers courses and activities designed to help students overcome such deficiencies.

To discover the level of his or her abilities, the student may go the Testing Center where diagnostic and placement tests are used to identify which basic skills the student needs to acquire and determine which courses he or she needs to take.

Developmental education courses and activities are available in basic English, basic mathematics, reading and study skills improvement. All courses listed in this program grant from one- to threecredit hours, but these credit hours do not satisfy the requirements of any degree plan at OC, nor will they transfer to another college or university.

In addition to the courses offered, the program maintains a Tutoring Center where any student can receive assistance with course work or skill development from peer tutors. The student who needs help with coursework or study skills should come to the center and request assistance at any time it is open. The Tutoring Center is located in the Learning Resources Center, Room 200A.



CAMPUS FACILITIES AND LIFE

CAMPUS FACILITIES

Bookstore

The Odessa College Bookstore is an auxiliary enterprise owned by operated by the college as a service to students, faculty, staff and the community. The Bookstore's objective is to provide all the necessary and supplementary materials needed for student success. Textbooks, school supplies and novelty items are among the items sold. Profits generated by the Bookstore are used to provide scholarships for OC students.

Student Housing

Students who compete for OC in intercollegiate athletics are required to live in on-campus housing facilities if they are unmarried and are not living with their parent or legal guardian. Priority also is given to other students on competitive scholarships for on-campus housing. If space is available after all student athletes and other competitive scholarship students are accommodated, the spaces may be reserved by other students. A \$100 deposit is required before a student is placed on a priority list for a room in an OC resident hall. Contact the Office of the Vice President for Student Life for information.

Cafeteria

The college cafeteria is located on the first floor of the Student Union Building. Students who live in campus residence halls participate in a meal plan, and food service is also available to all students, faculty and staff on a cash basis. Non-resident students may purchase a meal plan or a cash card for meals. Contact the food service director or the OC Business Office for more information.

Children's Center

The Odessa College Children's Center provides daytime care for some 50 to 60 children of community residents and students and operates a Head Start satellite center for 36 children. The Children's Center accepts children from birth to 6 years. It is open year-round from 7:30 a.m. to 5:30 p.m. Monday through Friday, except on regular college holidays.

While providing a child care service for the community, the Children's Center also serves as a learning laboratory for students in the Odessa College child development program and in child psychology classes.

Sports Center

This 110,000 square-foot recreational complex located on the Odessa College campus is home to the OC Wrangler and Lady Wrangler basketball teams. In addition there are racquetball courts, two gymnasiums (one for competition and one for community activities), indoor and outdoor tracks, weight training facilities, a Fitness Center/Super Circuit training room, a dance room and an indoor pool.

Students and community members all benefit from the classes and activities centralized at the Sports Center. Students who present a valid identification card have access to the facility and recreational equipment. Use of the Super Circuit is limited to individuals who are enrolled for use of that area.

The public is invited to be a part of the Sports Center. Activity cards may be purchased by non-students, and a variety of activity membership options are available. Individuals or groups also may rent the facility for special events or parties.

Meeting Facilities

Odessa College has meeting rooms available to both non-profit clubs and organizations and to businesses on a space-available basis. There is no charge for non-profit organizations. Businesses may pay a fee depending on the type of event scheduled. Food service is also available through the OC Cafeteria. Also available for community organizations is the recently renovated 750-seat Deaderick Auditorium. Contact the following offices for more information about booking these facilities:

- Community Room, Special Events Room, Electronics Technology Building Room 130—Vice President for Business Affairs
- •Fine Arts Auditorium—Lonnie Clark, Instructor of Music
- Deaderick Auditorium—Dean of Arts, Humanities and Distance Education
- Continuing Education Annex B or C— Continuing Education Office

Campus Police

The Odessa College Campus Police Office serves the student body of the college by helping to maintain the safety and security of all students and their possessions while they are on campus. Campus Police personnel are available to assist students and visitors with problems, such as vehicles with dead batteries and cars with keys locked inside. Police officers may be contacted on a 24-hour basis for emergencies on campus. The office is located on the westside of the Gymnasium, Room 107.

Emergency Messages

Students should notify their parents, spouses and friends that the college staff will not interrupt classes to deliver a message unless there is a medical emergency (as deemed by college officials) or a death in the family.

Under federal law students' schedules cannot be given to a third party in either verbal or written form without the students' written permission.

Between 8 a.m.-5 p.m. weekdays, emergency messages for students should be directed to the Office of the Vice President for Student Life.

CAMPUS LIFE

Student Activities

Odessa College maintains the philosophy that classroom learning is only one part of its students' education. Almost all students feel some need to learn more about themselves. The opportunity for them to grow as individuals is made possible through social and personal experiences, as well as through academic pursuits. Student Activities contributes to personal development through educational and social programming and through student organizations.

The interactions of students with each other and with the faculty on an informal basis can provide students with insights and understanding about their society and can enrich the quality of students' lives. Information about a wide range of student extracurricular opportunities may be obtained from the Student Activities Office.

Student Activities provides a full schedule of campus-based events designed to be both educational and entertaining. These events are available to the student free or for a minimal charge through the student activity fee. Information regarding specific events is available from the Student Activities Office.

The Student Activities Office is located in the Student Activity Center—Travis Hall. The Student Activity Center offers free pool, ping-pong and other games to students with a current OC ID. Student Activities also offers pool and ping-pong in the Sports Center.

Opportunities for students to participate in student activities include the following:

Clubs and Organizations

A number of diverse student organizations are active on campus. Many of these groups are service organizations that relate to academic pursuits, such as nursing or chemistry, while others are honorary societies or special interest groups. A list of currently active student organizations may be found in the Student Activities Office.

Student Government Association

The Student Government Association (SGA) is designed to provide student input for information and decision making. It is a

diverse body composed of current students selected from all components of the college. Student input groups provide a variety of perspectives to the administration as it makes decisions related to the welfare and interests of the student body. In addition, students are involved in the public relations and recruitment functions of the college. The composition, selection and direction of SGA will be determined by the Student Life administration of the college.

Intramurais

A program of intramural activities is offered each semester at Odessa College. The program is a function of Student Activities and operates out of the OC Sports Center. Room 204.

Choir and band

Odessa College's A Cappella Choir and Vocal Ensemble have gained international recognition for their musical abilities. Recent performances for the OC Choir have included ones for the Texas Music Educators Association in 1995 and tours to New York City, Austria and Switzerland. The college also has an active jazz band that performs regularly on campus and in the community. The jazz band has traveled to various locations in the United States and Mexico. The Music Department also sponsors a community band as well as a community choir for area citizens who maintain an interest in performing.

Art shows

A function of the Art Department is to provide students with the opportunity to exhibit their own work and to see work of professional artists each year through student and traveling art exhibits.

Athletics

Odessa College athletic teams hold 43 national titles. The institution has earned a national reputation for its outstanding athletic programs. More than 500 athletes from OC have won National Junior College All-American honors. The athletic program includes teams in women's basketball, cross country, track and rodeo. Men's teams compete in baseball, basketball, golf and rodeo.

The Wranglers are members of the National Junior College Athletic Association and the Western Junior College Athletic Conference. Each sport has a full schedule, and the athletic teams compete in National Junior College Athletic Association tournaments every year. Some of the honors and titles won by OC athletic teams include:

Men's Basketball: The Wranglers have had an active basketball program since 1952. The cagers were runners-up in the Region V Tournament in 1958, and conference co-champions in 1979, conference champions in 1989, 1993 and 1994, and regional champions in 1988, 1989, 1990 and 1993. The 1993 team also won the state championship. Since 1992 four players have been designated All-American.

Women's Basketball: The LadyWranglers have won the conference championship six times, in 1980, 1984, 1985, 1986, 1989 and 1991; and the regional championship five times, in 1980, 1985, 1986, 1989 and 1991. They finished second in the 1985 national tournament and won the NJCAA national championship in 1986 and 1991. They have produced 17 All-Americans, more than 50 All-Conference players and more than 40 All-Region players. For 16 consecutive years, they were nationally ranked. Four times they were ranked No. 1 in the nation. From 1984-86, the Ladv Wranglers recorded 79 regular season games without a loss

Golf: In 1959, OC hosted the first National Junior College Golf Championship. OC won the national title in 1959, 1960, 1961, 1962, 1963 and 1965. The Wranglers have captured the conference title 17 times and have had 37 All-Americans in golf. OC won regional championships in 1988 and 1990 and finished eighth in the national tournament in 1991. The 1995 team finished seventh at nationals.

Rodeo: For the first two years, OC had only a men's team; in 1986, a women's team was added. Members of the men's teams qualified for the college national finals in 1985, 1986, 1987, 1989, 1990, 1991 and 1994. Members of the women's team also qualified for the national finals in 1993 and 1994. The men's teams have won 12 regional event titles, two regional team championships, nine national event titles and the National Intercollegiate Rodeo Association national team championship in 1989. Members of the men's team brought home a first place in national competition in bull riding in 1986 and first place in calf roping in 1989 and 1990. OC is recognized as a power rodeo school in the NIRA's Southwest Region.

Women's Track: In 1989, a women's track team was added to the OC athletic program and the team won the NJCAA national outdoor championship its first year out. The 1991 team finished third at the NJCAA national indoor meet and fourth at the NJCAA national outdoor meet. The 1994 team captured the NJCAA indoor national championship. The 1995 team finished fourth at both the indoor and outdoor meets. The women's cross country team finished sixth in the 1996 NJCAA national meet.

Men's Baseball: OC began competing in baseball in 1990 for the first time since 1969. The team advanced to the state tournament its first year and was both conference and regional champion in 1992. It had 12 players either drafted or signed to professional contracts in its first two years. The team's two-year record was 86-42, the best two-year start for a new program for the NJCAA. The baseball team had the school's first All-American in baseball in 1992 and another All-American in 1994. A team member also was named an Academic All-American in 1994. The Wranglers were the conference champions in 1993 and the conference and regional runner-ups in 1994. In 1995 the Wranglers finished third in the nation in the JUCO World Series, with several team members winning national honors.



DEGREES AND INSTRUCTIONAL PROGRAMS

DEGREES AND CERTIFICATES

In fulfilling its commitment to provide a high quality educational program to the citizens of the Ector County area, Odessa College is authorized by the state of Texas to provide instruction leading to a variety of degrees and certificates. The college also offers courses in some subject areas—accounting, anthropology, earth science, economics, engineering, geography, philosophy, religion, etc.—as an enhancement to the general education requirements for other disciplines.

Associate in Arts*

The Associate in Arts Degree is awarded to students who complete curriculum requirements of the first two years of study of a standard baccalaureate program, primarily in the liberal arts, fine arts or business fields. Known as the A.A., the degree is not designed to provide students with specific vocational skills. The Associate in Arts is available in the following areas:

Business Administration (leading to a B.B.A. in Accounting, Finance, Personnel, Management and Marketing) Education (Elementary/Secondary Options) English Foreign Language **Humanities (Art Option)** Legal Assistant Mass Communication (Broadcasting/ Mass Communication Options) Music **Psychology** Sociology Social Science (Economics/Government/ **History Options**) Speech

*Please refer to page 55 of this catalog for degree requirements.

Associate in Science*

The Associate in Science Degree is awarded to students who complete curriculum requirements of the first two years of study of a standard baccalaureate program, primarily in the fields of mathematics or science. Known as the A.S., the degree is not designed to provide

students with specific job skills. The Associate in Science is available in the following disciplines:

Agriculture
Biology
Chemistry
Computer Science
Geology
Mathematics
Physical Education
(Exercise and Sport Science/
Athletic Training Options)
Physics
Psychology
Sociology

*Please refer to page 55 of this catalog for degree requirements.

Associate in Science in General Studies*

The Associate in Science in General Studies Degree, known as the A.S.G.S., is designed to allow the student to select from a wide range of courses that fulfill the requirement of a generalized education.

This degree will have most, if not all, courses that will transfer to senior institutions. The student should check the requirements of the senior institution before planning a course of study. See your counselor or faculty advisor for more information.

*Please refer to page 56 of this catalog for degree requirements.

Pre-Professional Courses of Study

In those areas classified as preprofessional—dentistry, engineering, medicine, optometry, pharmacy, veterinary medicine—students are advised to pursue the degree plan for the Associate in Science without a declared major. Pre-law students should follow the general degree plan for the Associate in Arts. Courses not specifically required should be selected according to the requirements of the institution that will eventually grant the degree.

Associate in Applied Science*

The Associate in Applied Science degree is awarded to students who complete the prescribed degree plan in a designated technical studies area. Known as the A.A.S.. this degree is designed to provide students with comprehensive skills and knowledge in a specialized field, with the goal of employment in that field. While the degree is usually job oriented, all A.A.S. degrees will have at least some, if not most, courses transfer to senior institutions through the general education requirements in the degree and/or inverted baccalaureate degree plans. The student should check the requirements of the senior institution before planning a course of study. See your counselor or faculty advisor for more information. OC awards the A.A.S. degree in the following areas:

Automotive Technology Building Trades Child and Parent Development Clinical Laboratory Sciences (Medical Laboratory Technology) Computer Information Systems (Business Programming/PC

Support Specialist Options) Cosmetology (Operator/Instructor Options) **Culinary Arts**

Diesel Technology Drafting Technology

Electrical and Electronics Technology **Emergency Medical Technology**

Fire Technology

Heating, Ventilation and Air Conditioning Human Services (Alcohol and Drug Abuse)

Law Enforcement/Criminal Justice (Law Enforcement/Criminal Justice and Law Enforcement/Corrections Options)

Legal Assistant

Maintenance Technology Management

Metal Trades Technologies

(Industrial Machinist/ Industrial Welding Options)

Nursing (RN)

Occupational Safety and Health

Technology

Office Systems Technology

(Office Systems/Medical Emphasis/Legal

Emphasis Options) Petroleum Technology

Photography

Physical Therapist Assistant

Radiologic Technology

Respiratory Therapy

Surgical Technology

*Please refer to page 57 of this catalog for degree requirements.

Certificate of Technology*

In the technology fields, it is not uncommon for a student to want to learn the skills necessary for employment without earning the A.A.S. To indicate both completion and technical competency, OC awards a Certificate of Technology in the following fields (refer to individual departmental sections for specific course and semester hour requirements):

Automotive Technology

Air Conditioning and Heating

Chassis

Drivability

Automotive Electronics

Service Technician Manager

Diesel Technology

Heavy Equipment Specialist Diesel Truck Specialist

Service Manager

Diesel Technician

Building Maintenance

Basic Carpenter Helper

Basic Construction Technician

Basic Cabinetmaker Technician

Advanced Construction Technician

Construction Estimator

Drafting Technology

Architectural Detailer

Machine Drafting Detailer

Structural Drafting Detailer

Pipe Drafting Detailer

Technical Illustrator

Electrical/Electronics Technology

(Technician/Advanced Technician

Options)

following vocational fields (refer to individual Fire Technology departmental sections for specific course **Fire Protection** and semester hour requirements): Fire Technology Child and Parent Development Heating, Ventilation and Air Conditioning HVAC Technician (Basic/Advanced Child Care/Preschool Assistant Teacher Options) Child Development Associate (CDA) Sheet Metal Technician Child Care Management Commercial Refrigeration **Child Care Aide** Maintenance Technician Cosmetology **HVAC Shop Manager** Instructor Management Operator General Management (General **Culinary Arts** Management/Marketing/ Food Preparation Cook **Food Production Cook Small Business Options)** Industrial Supervision **Emergency Medical Technician** Management Advanced Skills Basic/Intermediate/Advanced Options **Metal Trades Technologies** Human Services (Drug and Alcohol Abuse) Machinist Law Enforcement/Criminal Justice Machine Shop Foreman **County Correctional Officer** Computerized Numerical Control State Prison Guard Programmer Emergency Telecommunications/ Milling Machine Operator Dispatcher **Engine Lathe Operator** Texas Peace Officer General Welder Basic Law Enforcement Academy Fitter Welder Advanced Peace Officer Skills Certified Welder Legal Assistant Pipe Welding Foreman (Legal Assistant/Advanced Legal Welding Machine Operator Assistant Options) Occupational Safety and Health Technology **Phlebotomy** Office Systems Technology **Photography** Office Clerk **Photo Lab Assistant** Office Assistant Commercial Studio Assistant Office Management Specialist Portrait Studio Assistant Medical Office Clerk Respiratory Therapy Technician Medical Office Assistant Surgical Technology Legal Office Clerk Vocational Nursing (LVN) Legal Office Assistant Please refer to page 58 of this catalog for Legal Office Specialist certificate requirements. Medical Office Technology Specialist Petroleum Technology Safety and Environmental Technician Well Head Pumper

Please refer to page 57 of this catalog for certificate requirements.

Certificate of Completion*

Gas Compressor Operator Gas Plant Operator Refinery Panel Operator

The Certificate of Completion is given by Odessa College after completion of a designated course of study that concentrates on specific job skills, licensure requirements or subject matter mastery. OC awards a Certificate of Completion in the

DEGREE REQUIREMENTS

Residency Requirements: Associate Degree

To receive an associate degree, a student must meet one of the following residency options:

Option 1: Complete a minimum of 48 semester credit hours at Odessa College; and, if the degree is in a technical or vocational program, complete at least 12 semester hours in the major field at Odessa College.

Option 2: Complete a minimum of 15 semester credit hours at Odessa College, at least 12 of which must be the last hours taken before the degree is granted; and, if the degree is in a technical or vocational program, complete at least 12 semester hours in the major field at Odessa College.

Residency Requirements: Certificates of Technology or Certificates of Completion

To receive a certificate of technology or a certificate of completion, a student must meet the following residency requirements:

Over 50 percent of the total certificate hours must have been completed in residence at Odessa College. Also, over 50 percent of the technical/vocational program courses required for the certificate must have been completed in residence at Odessa OC.

Residency Requirements: Award of Institutional Recognition

An award of institutional recognition that consists of less than 15 semester credit hours may be given in certain technical or vocational programs. To be eligible to receive an award of institutional recognition, the student must complete all courses required for that award of recognition in residence at OC.

Associate in Arts Degree

To qualify for the associate in arts degree (A.A.), students must complete the following requirements:

- English: ENGL 1301 and ENGL 1302 and six hours of sophomore English.
- Speech: Three semester hours.
- Foreign Language or Mathematics or Science: One year (six to eight semester hours in same discipline).
- Computer Science: A three-semesterhour minimum from COSC 1301, COSC 1415 or BCIS 1401.
- Government: GOVT 2301 and 2302
- History: HIST 1301 and 1302 (HIST 2301 may be substituted for either course).
- Physical Education: Two one-hour activity classes. Veterans who have one year active service credit may satisfy the PHED requirement by submitting a copy of Form DD-214 to the Registrar's Office.
- A minimum of 63 semester hours.
- A minimum average of "C" (2.0) in all work. Transfer students must also have an average of "C" (2.0) in all work taken at Odessa College.
- A minimum of 15 semester hours of sophomore courses, six semester hours of which must be in the same discipline.
- Either (1) a minimum of 48 semester hours completed at Odessa College or (2) a minimum of 15 semester hours with at least 12 semester hours completed immediately prior to the granting of the degree.
- Students who are not exempt from the provisions of TASP must pass all three sections and have scores reported to Odessa College.
- Discharge of all financial obligations to Odessa College prior to graduation.

Associate in Science Degree

To qualify for the associate in science degree (A.S.), students must complete the following requirements:

- English: ENGL 1301 and 1302 and three hours of sophomore English.
- Speech: Three semester hours.
- Government: GOVT 2301 and 2302
- History: 1301 and 1302 (HIST 2301 may be substituted for either course).

- Mathematics: One year (six semester hours).
- Physical Education: Two one-hour activity classes.
 Veterans who have one year active service credit may satisfy the PHED requirement by submitting a copy of Form DD-214 to the registrar's office.
- Science: A minimum of 12 semester hours.
- Computer Science: A three-semesterhour minimum from COSC 1301, COSC 1415 or BCIS 1401.
- A minimum of 63 semester hours.
- A minimum average of "C" (2.0) in all work. Transfer students must also have an average of "C" (2.0) in all work taken at Odessa College.
- A minimum of 15 semester hours of sophomore courses, six semester hours of which must be in the same discipline.
- Either (1) a minimum of 48 semester hours completed at Odessa College or (2) a minimum of 15 semester hours with at least 12 semester hours completed immediately prior to the granting of the degree.
- Students who are not exempt from the provisions of TASP must pass all three sections and have scores reported to Odessa College.
- Discharge of all financial obligations to Odessa College prior to graduation.

Associate in Science in General Studies Degree

To qualify for the associate of science in general studies degree (A.S.G.S.), students must complete the following requirements:

- A minimum of 63 semester hours and meet residency requirements.
- A minimum average of "C" (2.0) in all work taken at Odessa College.
- A minimum of 15 semester hours of sophomore courses.
- Students who are not TASP exempt must pass all three sections and have scores reported to Odessa College.
- Discharge of all financial obligations to Odessa College prior to graduation.
- Complete the following requirements:
 Semester
 Hrs
 - Math and Science* 9
 (See Course Selection List that follows.)

- Social and Behavioral Science* ... 9 (See Course Selection List that follows.)
- Communication Science* 12 (See Course Selection List that follows.)
- Life Enrichment Electives* 9 (See Course Selection List that follows.)
- Other electives* 24 (See Course Selection List that follows.)

Total Semester Hours Required 63

* Course Selection List for Associate in Science in General Studies Degree

- Math and Science (nine semester hours required)
- Mathematics (three semester hours required): 1314, 1316, 1332, 1333, 1342, 1348, 2313, 2314, 2315, 2318, 2320
- Chemistry: 1311, 1312, 2301, 2323, 2325
- Biology: 1406, 1407, 1408, 2306
- Geology: 1403, 1404
 Physics: 1401, 1402
- Agriculture: 1407, 1413, 1415, 1419, 2317
- Social and Behavioral Science (nine semester hours required)
- History (three semester hours required): 1301, 1302
- Government (three semester hours required): 2301, 2302
- History: 2301, 2311, 2312, 2381
- Psychology: 2301, 2302, 2308, 2315, 2319
- Sociology: 1301, 1306, 2301, 2306, 2319, 2326, 2339, 2371*
- Anthropology: 2301, 2351
- Geography: 1301, 1302
- Communication Science (12 semester hours required)
- English (six semester hours required):
 1301, 1302, 1312, 2307, 2311, 2322,
 2323, 2327, 2328, 2332, 2333
- Speech (three semester hours required): 1311, 1315, 1321, 2341
- Spanish: 1300, 1310, 1411, 1412, 2311, 2312, 2321, 2322
- French: 1411, 1412, 2311, 2312
- German: 1411, 1412, 2311, 2312
- Mass Communication: 1307, 1335, 1336, 2303, 2331
- Life Enrichment Electives (nine semester hours required)
- Computer Science (three semester hours required): COSC 1301 or COSC 1415, BCIS 1200*, BCIS 1401*, COSC 1418, COSC 2418
- Arts 1301, 1303, 1304
- Business Administration: 2301

- Child Development: 1302*, 1308*, 1310*, 1311*
- Culinary Arts: 1201*, 1202*, 1203*, 1206*
- Engineering: 1304
- Management: 1301*, 1321*, 2322*, 2330*
- Music: 1301 (1370),1306, 1308
- Philosophy: 1301, 2306
 - Office Systems Technology: 1100*, 1402*, 1404*, 1406*, 1424*, 1421* (1321), 1422* (1322), 2304*, 2430*
- Physical Education: (all courses)
- Mass Communication: 1316, 1318, 1319, and Photography: 2370*
- Other Electives (24 semester hours required) Any 24 semester hours from the preceding options with no more than 12 semester hours permitted from each option.

*Students should consult the catalog of the college or university they wish to transfer to prior to selecting courses from the preceding categories.

Associate in Applied Science Degree

To qualify for the associate in applied science degree (A.A.S.), students must complete the following requirements:

- English: ENGL 1301
- Speech: SPCH 1315 or SPCH 1321 as specified in each program.
- Government: GOVT 2301 or GOVT 2302 as specified in each program.
- Computer Science: COSC 1301 or BCIS 1401 as specified in each program.*
- Mathematics: Three semester hours of college-level math as specified in each program.
- Physical Education: Two one-hour activity classes.
 - Veterans who have one year active service credit may satisfy the PHED requirement by submitting a copy of Form DD-214 to the Registrar's Office.
 - Philosophy/Fine Arts: Three hours as specified in each program. The Texas Higher Education Coordinating Board has determined that ENGL 1302 or courses with the course prefixes ARTS, COMM, FREN, GERM, LATI,

- MUAP, MUSI, PHIL, SPAN, or SPCH will satisfy this requirement
- Science: As specified in each program.
- Major concentration and electives: As specified in each program.
- A minimum of 63 semester hours.
- A minimum average of "C" (2.0) in all work. Transfer students must also have an average of "C" (2.0) in all work taken at Odessa College.
- A minimum of 15 semester hours of sophomore courses, six semester hours of which must be in the same discipline.
- Either (1) a minimum of 48 semester hours completed at Odessa College or (2) a minimum of 15 semester hours with at least 12 semester hours completed immediately prior to the granting of the degree.
- A minimum of 12 semester hours in the major field must be completed at Odessa College.
- Students who are not exempt from the provisions of TASP must pass all three sections and have scores reported to Odessa College.
- Discharge of all financial obligations to Odessa College prior to graduation.

*Completion of the clinical laboratory sciences program or a passing score on the COSC 1301 competency-skills test, given by the computer science department, will satisfy this requirement.

Certificates of Technology

Certificates of technology are awarded for completion of program requirements with a minimum average of "C" (2.0) in all work in certain occupational and technical curricula as prescribed in the Odessa College catalog or as approved by the respective division dean.

Over 50 percent of the total certificate hours must have been completed in residence at Odessa College. Also, over 50 percent of the technical/ vocational program courses required for the certificate must have been completed in residence at Odessa College.

- Students who are not exempt from the provisions of TASP or not in a TASP-waived certificate program must pass all three sections and have scores reported to Odessa College.
- Discharge of all financial obligations to Odessa College prior to graduation.
- Veterans who have one year active service credit may satisfy PHED requirement, if any, by submitting a copy of Form DD-214 to the Registrar's Office.

Certificates of Completion

Certificates of completion are awarded for completion of program requirements with a minimum average of "C" (2.0) in all work in certain occupational and technical curricula that concentrate on a specific job skill, licensure requirement or subject matter mastery as prescribed in the Odessa College catalog or as approved by the respective division dean. Check with the respective program or department chair for information on these certificates.

(See requirements under "Certificates of Technology.")

Institutional Recognition

Awards of institutional recognition that consist of 15 or fewer semester credit hours may be given in certain technical or vocational programs. To be eligible for an institutional award of recognition, the student must complete all courses required for that award at Odessa College.

Key To Course DescriptionSCANS Numbers

The word "SCANS" comes from the U.S. Department of Labor's "Secretary's Commission on Achieving Necessary Skills." The numbers found in the Odessa College course descriptions refer to the list of 11 skill areas below. Three of the 11 skill areas refer to the foundation skills of reading, writing and mathematics. The other eight areas refer to workplace skills. such as working with clients and coworkers, that courses develop as a part of the teaching-learning process. The OC faculty have evaluated all of their courses and written the following course descriptions, keyed to SCANS, to help communicate to students and other members of the public the educational and

work place foundation that courses will help students attain as they successfully complete their course of study at Odessa College.

(SCANS 1, 2, 3 = FOUNDATION SKILLS)

- 1. READING
- 2. WRITING
- 3. MATHEMATICS

(SCANS 4-11 = WORKPLACE SKILLS)

- RESOURCE USE AND DEVELOPMENT (such as time, materials, money, and facilities)
- INTERPERSONAL DEVELOPMENT (such as working as member of a team, serving clients and customers, negotiation, leadership, and working with diversity)
- INFORMATIÓN SKILLS (such as acquiring, evaluating, organizing, maintaining, interpreting, communicating, and using computers to process information)
- SYSTEMS AND OTHER COMPLEX INTERRELATIONSHIPS (such as understanding organizational systems, working within social and technological groups, distinguishing and improving the systems design)
- 8. SELECTING, APPLYING, AND MAINTAINING A VARIETY OF TECHNOLOGIES
- CREATIVE THINKING, PROBLEM SOLVING, AND DECISION MAKING
- DEVELOPING PERSONAL QUALITIES (such as responsibility, self-esteem, sociability, selfmanagement, integrity and honesty)
- 11. LISTENING AND SPEAKING

NOTE: Students enrolling in courses with a SCANS rating of 1, 2 or 3 should have a competency at the high school diploma or equivalency level or satisfactory placement score on an appropriate placement exam. Dual credit and early admission students in high school must have the approval of their high school principal or designee. Additional course prerequisites/corequisites may be found at the end of each course desription.

Accounting (see Business Administration)

Agriculture

Faculty: Rebecca Hennig.

Courses offered in the agriculture department are directed toward providing the student majoring in an agriculture science or a related field with a broad and sound foundation for advanced study at an upper-level institution or pre-professional preparation in veterinary medicine or wildlife management.

Course of Study for Associate in Science Degree Agriculture

	Semesters Hrs
General Education Requirements	48
BIOL 1406 General Biology I	4
BIOL 1407 General Biology II	
CHEM 1311/1111 Gen. Inorganic Chemistry/Fundamentals	s of Chem Lab I 4
CHEM 1312/1112 Gen. Inorganic Chemistry/Fundamentals	
ENGL 1301 Composition and Rhetoric	
ENGL 1302 Composition and Literature	
ENGL (sophomore Level)	2
GOVT 2301 U.S. and Texas Government	٠
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877HIST 1302 U.S. History from 1877	
MATH 1314 College Algebra or More Advanced	د
MATH 1314 College Algebra or More Advanced	
MATH 1316 Plane Trigonometry or More Advanced	
*PHED (any two one-hour activity courses)	
SPCH 1315 Public Speaking	
Major Requirements	15-17
AGRI 1131 The Agricultural Industry	
AGRI 1419 Animal Science	4
AGRI 1407 Agronomy	4
**AGRI Elective	3 or 4
**AGRI Elective	3 or 4
Total Semester Hours	63-65

*PHED 1100 should be the first course taken in physical education.

**Second-year requirements for agriculture electives may be fulfilled by taking any combination of the following courses: AGRI 1413, AGRI 1415, and AGRI 2317. Choice of any elective may depend upon the students' plans for future study. Students should consult with the agriculture faculty for information regarding these courses.

Agriculture Courses

AGRi 1131 The Agriculture Industry (01.0103.5121) An introductory course to the field of agriculture to aid in the understanding of the relationship of sciences and other fields of agriculture. Students will be required toread and comprehend extensive agricultural terminology. (SCANS 1) Prerequisite: None. **AGRI 1407 Agronomy (02.0402.5121)** (3-3) 4 hours A basic study of the classification and distribution of farm crops. Students will be required to evaluate and interpret information as it pertains to the study of the importance of good varieties and good seed, crop improvement, seed bed preparation, soils, soil erosion and conservation techniques, commercial fertilizers, crop rotation, crop tillage, harvesting, meadow and pasture management, pesticides, weeds and grasses, and irrigation systems. Decision-making and reasoning skills will be used in the proper application of agronomy principles. (SCANS 6,9) Prerequisite: None. AGRI 1413 Economic Entomology (02.0408.5121) A study of the principal insects and pests of crops and livestock, including life history, methods of attack, damage and control. Students will be required to evaluate and interpret information as it pertains to integrated pest management, and biological controls. Collection and mounting of insects is required. Decisionmaking and reasoning skills will be used in the proper application of agronomy principles. (SCANS 1,6,9) Prerequisite: None. **AGRI 1415 Horticulture (01.0601.5121)** This course familiarizes the student with the fields of horticulture and the place of horticulture in American agriculture. Students will be required to evaluate and interpret information as it pertains to the study of the structure, growth and development of horticulture plants. Reasoning skills will be used in decisions concerning control of environment and plant growth with considerations of biological competition and progressive improvement of crops. Principles of propagation, greenhouse production of horticultural crops, pruning, pest control and landscaping are included. (SCANS 6,9) Prerequisite: None. AGRI 1419 Animal Science (02.0201.5121) An introduction to the importance of the livestock industry in the United States, with emphasis in the state of Texas. Students will be required to read and comprehend extensive terminology including the study of the types and breeds of livestock and the market classes as well as grades of beef cattle, dairy cattle, sheep, swine and horses. Decision-making and reasoning skills will be used in determining principles involving heredity and breeding for improvement, judging, care and management. (SCANS 1,6,9) Prerequisite: None. AGRI 2317 Agriculture Economics (01.0103.5121) A study of the basic concepts and theory of the present economic system through a process of interpretation of written information. Includes an analysis and mathematical calculations of profit margin of farm and ranch enterprises as well as

commercial industry, their organization and management, the structure and operation of the marketing system, and political economic policy setting. Functional and institutional aspects of agricultural finance and state and federal farm programs

are covered. (SCANS 1,3,6,7) Prerequisite: None.

Anthropology (see Geology, Anthropology, and Geography)

Art

Faculty: Barry Phillips, III, chair; Barry Phillips, Steve Goff.

The Odessa College art department exists to provide quality art education for all members of the community. A professionally active faculty maintains labs for design, drawing, painting, printmaking, photography, sculpture, and pottery. Art students learn to create and evaluate visual images in order to develop a critical awareness of the visual environment. The department welcomes all students who are interested in learning about visual art and sponsors scholarships for students considering art as a major.

The following curriculum has been designed as a guide for those students wishing to prepare for a bachelor's degree in art education, studio art, or commercial art.

Course of Study for Associate in Arts Degree

Art	
	Semester Hrs
General Education Requirements	38-40
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL (sophomore level)	6
**Foreign Language, Math, or Science	6-8
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	3
HIST 1301 U.S. History to 1877	
HIST 1302 U.S. History from 1877	3
*PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	3
·	
	Semester Hrs
Major Requirements	27
ARTS 1303 Art History I	3
ARTS 1304 Art History II	3
ARTS 1311 Design I	3
ARTS 1312 Design II	3
ARTS 1316 Drawing I	3
ARTS 1317 Drawing II	3
Approved electives ***	9
Total Semester Hours	65-67
*PHED 1100 chould be the first course taken in physical education	

^{*}PHED 1100 should be the first course taken in physical education.

^{**}Six to eight semester hours in same discipline.

^{***}Any three sophomore level ARTS courses .

Art Courses

ARTS 1301 Art Appreciation (50.0703.5130)
(3-0)
basic art theory, forms, and history. (Gornico e, e) i forequience. Hone.
ARTS 1303 Art History I (50.0703.5230)
(3-0)
ARTS 1304 Art History II (50.0703.5230)
(3-0)
Builds knowledge of the world's great civilizations, their art and artists, and the relationship of art to culture from the 1300s to the present. Develops the ability to identify, describe and interpret major works in the history of visual art. (SCANS 6, 9) Prerequisites: None.
ARTS 1311 Design I (50.0401.5330)
(2-4)
Develops the skill to create two-dimensional designs using drawing, painting collage, and photographic media. Introduces the principles/elements of two dimensional design,
plus basic art concepts, techniques, and media essential to the organization and
understanding of visual information. (SCANS 6, 9) Prerequisites: None.
ARTS 1312 Design II (50.0401.5330)
(2-4)
Develops the skill to create three-dimensional designs using wood, clay, and metals, including lost-wax plaster investment bronze casting. Introduces the principles/
elements of three-dimensional design, plus basic art concepts, techniques, and
media essential to the understanding and organization of visual information.
(SCANS 6, 9) Prerequisites: None.
ARTS 1316 Drawing I (50.0704.5230)
(2-4)
Develops the skill to create drawings from careful observation of the visual environment. Emphasizes line and value drawings in pencil, charcoal, and ink.
Introduces basic art concepts, techniques, and media essential to the organization
and understanding of visual information. (SCANS 6, 9) Prerequisites: None.
ARTS 1317 Drawing II (50.0705.5230)
(2-4) 3 hours
Develops the skill to create expressive drawings. Emphasizes the use of color pencil and pastels. Requires creative thinking in order to develop original images.
Presents basic art concepts, techniques, and media essential to the organization
and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 1316.
ARTS 2316 Painting I (50.0708.5330)
(2-4)
Develops the skill to create expressive paintings. Emphasizes use of acrylic paint
and proper preparation of canvas and wooden supports. Presents advanced art concepts, techniques, and media essential to the organization and understanding
of visual information. (SCANS 6, 9) Prerequisites: ARTS 1316 and ARTS 1311 or
instructor approval

ARTS 2317 Painting II (50.0708.5230) (2-4) 3 hours Develops the skill to create a series of paintings emphasizing individual expression. Requires creative thinking in order to develop original images. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 2316. ARTS 2323 Figure Drawing I (50.0705.5330) Develops skill in drawing the human figure. Emphasizes handling of gesture, volume, anatomy and proportion using a variety of media. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 1316 or instructor approval. ARTS 2324 Figure Drawing II (50.0705.5330) (2-4) 3 hours Develops the skill to create a series of figure drawings emphasizing individual expression. Requires creative thinking in order to develop original images. Presents advanced art concepts, techniques, and media essential to the organization and . understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 2323. ARTS 2326 Sculpture I (50.0709.5130) (2-4) 3 hours Develops the skill to create expressive sculpture using clay, wood, and metals, including lost-wax plaster investment bronze casting. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. Lab fee required. (SCANS 6, 9) Prerequisites: ARTS 1312 or instructor approval. ARTS 2327 Sculpture II (50.0709.5130) Develops the skill to create a sculpture series emphasizing individual expression in a particular sculpture medium and technique. Requires creative thinking in order to develop original images. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. Lab fee required. (SCANS 6, 9) Prerequisites: ARTS 2326. ARTS 2333 Printmaking I (50.0710.5130) Develops the skill to create original prints using relief, intaglio, and screen techniques. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 1316 or instructor approval. ARTS 2334 Printmaking II (50.0710.5130) particular printmaking medium and technique. Requires creative thinking in order to develop original images. Presents advanced art concepts, techniques, and media essential to the organization and understanding of visual information. (SCANS 6, 9) Prerequisites: ARTS 2333. ARTS 2346 Pottery I (50.0711.5130) Develops the skill to create original pottery using coil, slab, and wheel techniques.

Includes bisque, glaze, sawdust, and raku firings. Presents advanced art concepts,

technique, and media essential to the organization and understanding of visual information. Lab fee required. (SCANS 6, 9) Prerequisites: None.

ARTS 2347 Pottery II (50.0711.5130)

ARTS 2356 Photography I (50.0605.5130)

ARTS 2357 Photography II (50.0605.5230)

ARTS 2366 Watercolor I (50.0708.5330)

ARTS 2367 Watercolor II (50.0708.5330)

Automotive Technology

Faculty: Jurl Davis, chair.

Maintaining and servicing automobiles and equipment is a thriving business and a very important activity in the American economy. The automotive service field is so widespread and fast growing that many excellent career opportunities are open to the person with proper qualifications. While a certificate of technology with an emphasis in automotive technology will prepare the student to be an effective employee, the associate in applied science degree provides the necessary educational background for advancing to positions of even greater responsibility in the industry.

Course of Study for Associate in Applied Science Degree Automotive Technology

Automotive recimology	
	Semester Hrs
General Education Requirements	
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government	3

	MATH 1314 College Algebra or MATH 1372 Technical College Algebra
	SPCH 1321 Business and Professional Speech
	Major Requirements
	AUTO 1504 The Automotive Chassis
	AUTO 2505 Automotive/Diesel Electronics II
	Total Semester Hours63
	*PHED 1100 should be the first course taken in physical education **AUTO 1301 Specialized Electronics Mathematics or AUTO 1505 Automotive Diesel
	Certificates of technology are available in the following job-specific fields. See the program chair for course requirements and Permian Basin job opportunities. Level I certificates are TASP-waived.
	Automotive Technology Certificates of Technology
	Level I - Air Conditioning and Heating
	AUTO 2501 Automotive Electrical Systems
	AUTO 2502 Heating and Air Conditioning5
-	COSC 1301 Introduction to Computer Systems
=	ENGL 1301 Introduction to Computer Systems
	ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing
	ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing
	ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing
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	ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing

AUTO 2505 Automotive/Diesel Electronics II or AUTO 2377 Cooperative Work Experience plus 2 hrs approved credit COSC 1301 Introduction to Computer Systems	5 3 3
Total Semester Hours24	4
Course of Study for Advanced Skills Certificate (Level III Level III - Service Manager Certificate)
May only be awarded along with or following completion of Associate or higher-level degree. Semeste	a Ll
General Education Requirements	9 3 3
Automotive Courses	
AUTO 1301 Specialized Electronics Mathematics	
(3-0)	ngs d fo
AUTO 1502 Introduction to Automotive Engine Maintenance and Rebuilding (4-4)	nd als
AUTO 1503 Transmissions and Power Trains (4-4)	e nd
AUTO 1504 The Automotive Chassis	
(4-4)	arn ns. iter nd

technical materials is required. Lab fee required. (SCANS 3,5,6,7,9,10,11) Prerequisite: None.

AUTO 1505 Automotive Diesel

AUTO 2377 Cooperative Work Experience

A capstone course designed to interrelate academic and vocational course lectures and labs with business and industry work experiences. Under supervision of college faculty and a workplace supervisor, the student will achieve agreed upon workplace goals and objectives that will enhance the student's competency attainment in the areas of personal, interpersonal, and problem-solving skills. Weekly lectures will address key workplace competencies to enhance the employability of a technically competent graduate. The reading of technical materials is required. (SCANS 5,7,9,10,11) Prerequisite: Sophomore standing and consent of the department chair.

AUTO 2501 Automotive Electrical Systems

AUTO 2502 Heating and Air Conditioning

AUTO 2503 Automotive Fuel and Emissions

AUTO 2504 Automotive/Diesel Electronics I

principles. The lab exercises will improve reasoning and decision-making abilities. A scientific calculator is required. The reading of technical materials is required. Lab fee required. (SCANS 1,3,4,5,6,7,8,9,10) Prerequisite: Fundamental knowledge of mathematics required. College Algebra or more advanced preferred or consent of the department chair.

AUTO 2505 Automotive/Diesel Electronics II

Bible (see Social Sciences)

Biology

Faculty: Rebecca Hennig, interim chair; Carolyn Amiet, Dr. Sudhir Kudesia, Steve Sofge, Dr. TG Thomas.

Courses offered in the biology department are directed toward two objectives. First, they provide the student majoring in a biological science with a broad and sound foundation for advanced study at an upper-level institution or a professional school. The second objective provides the non-science major with information and concepts about himself and the living world around him to help him become a well-rounded citizen.

Courses of Study for Associate in Science Degree

Semester Hrs
ducation Requirements60
/ 1311/1111 General Inorganic Chemistry i/
undamentals of Chemistry Laboratory I 4
1 1312/1112 General Inorganic Chemistry II/
undamentals of Chemistry Laboratory II4
/l 2323/2123 Organic Chemistry I/
rganic Chemistry Lab I4
A 2325/2125 Organic Chemistry II/
rganic Chemistry Lab II4
2 1415 Introduction to Computer Science 4
. 1301 Composition and Rhetoric3
. 1302 Composition and Literature
. (Sophomore Level)
2301 U.S. and Texas Government
2302 American National Government3
1301 U.S. History to 18773
1302 U.S. History from 1877
l 1314 College Algebra or More Advanced
I 1316 Plane Trigonometry or More Advanced

_	
	*PHED (any two one-hour activity courses)
	Major Requirements
	Total Semester Hours71-73
	*PHED 1100 should be the first course taken in physical education. **Requirements for biology electives may be fulfilled by taking any combination of the following courses: BIOL 2306 General Ecology; BIOL 2470 Marine Ecology; BIOL 2420 Microbiology or BIOL 2428 Comparative Anatomy. Choice of an elective may depend upon students' plans for future study. Students should consult with the biology faculty for information regarding these courses.
	Biology Courses
-	BIOL 0371 Developmental Science (32.0101.5139) (3-3)
	This is a compensatory, non-transferable science course designed to improve basic knowledge of the biological sciences, develop critical thinking skills and teach students how to interpret data related to biological concepts. Students learn and use biological terminology and mathematical calculations involved in converting between the English and metric systems of measurement and basic chemical calculations. Students also learn specific information about the basic chemistry of life processes, cells, tissue, organs and systems with emphasis on human biology and anatomy. Lab fee required. (SCANS 1,3,6,9) Prerequisite: None.
I	BIOL 1170 Medical Terminology
	(1-0)
	BIOL 1406 General Biology I (26.0101.5124)
	(3-3)
	of principles underlying the observations including cause and effect relationships. Lab fee required. (SCANS 1,3,6,9) Prerequisite: None
	BIOL 1407 General Biology II (26.0101.5124) (3-3)

dissection of a mammal with reasoning to the relationships between form and function and make decisions relative to cause and effect relationships. Lab fee required. (SCANS 1,3,6,9) Prerequisite: BIOL 1406.

BIOL 1408 Principles of Biology (26.0101.5124)

BIOL 2306 General Ecology (03.0102.5124)

BIOL 2401 Anatomy & Physiology I (26.0706.5124)

BIOL 2402 Anatomy & Physiology II (26.0706.5124)

BIOL 2404 Human Anatomy & Physiology (26.0706.5124)

BIOL 2420 Microbiology (26.0501.5124)

BIOL 2428 Comparative Anatomy (26.0706.5124)

BIOL 2470 Marine Ecology (03.0102.7139)

Building Trades

Faculty: Jim Bates.

The building trades program at Odessa College is designed to train students for entry-level jobs in the building and construction industry. Specific areas of training include on-site experience in carpentry, concrete forming, plumbing, roofing, and exterior and interior finishing. A home is constructed from start to finish. Further instruction includes blueprint reading, study of building codes and specifications, and cabinet making.

Course of Study for Associate in Applied Science Degree Building Trades

General Education Requirements	Semester 20	Hrs
COSC 1301 Introduction to Computer Systems	3	
ENGL 1301 Composition and Rhetoric or		
ENGL 1312 Report Writing	3	
GOVT 2301 U.S. and Texas Government		
MATH 1372 Technical College Algebra		
*PHED (any two one-hour activity courses)		
FILD (any two one-note activity courses)	6-	

72	
PSYC 2302 Applied Psychology	
Elective	贖
	ě.
Technical Core	
Building Maintenance Specialist Option	
Total Semester Hours	
Building Maintenance Certificates of Technology	
Certificates of technology are available in the following job-specific fields. See the program chair for course requirements and Permian Basin job opportunities. Level I certificates are TASP -waived.	
	_
Level Basic Carpenter Helper	
Semester Hrs	· •
Semester Hrs BLDG 1601 Construction Principles I	· •
BLDG 1601 Construction Principles I	,
Semester Hrs Semester Hrs	
BLDG 1601 Construction Principles I	
Semester Hrs Semester Hrs BLDG 1601 Construction Principles	
Semester Hrs Semester Hrs BLDG 1601 Construction Principles	
Semester Hrs Semester Hrs BLDG 1601 Construction Principles	
Semester Hrs BLDG 1601 Construction Principles	
Semester Hrs BLDG 1601 Construction Principles	
Semester Hrs BLDG 1601 Construction Principles	
Semester Hrs BLDG 1601 Construction Principles	
BLDG 1601 Construction Principles I	
Semester Hrs BLDG 1601 Construction Principles 6	
Semester Hrs BLDG 1601 Construction Principles 6 BLDG 1602 Carpentry 6 6 BLDG 1604 Carpentry 6 6 PSYC 2302 Applied Psychology 3 3 Approved Elective (See department chair for options) 3 3 Total Semester Hours 24	
Semester Hrs BLDG 1601 Construction Principles	
Semester Hrs BLDG 1601 Construction Principles	

Level I Advanced Construction Technician
Semester Hr
BLDG 1601 Construction Principles I6
BLDG 1602 Carpentry I6
BLDG 1603 Construction Principles II6
BLDG 1604 Carpentry II
ELEC 2410 National Electrical Code4
MAIN 1402 Plumbing Fundamentals4
PSYC 2302 Applied Psychology 3
Approved Elective (See department chair for options)
Total Semester Hours38
Level II Construction Estimator
Semester Hr
BLDG 1601 Construction Principles I
BLDG 1602 Carpentry I
BLDG 1603 Construction Principles II
BLDG 1604 Carpentry II
BLDG 2603 Cabinet Making I
COSC 1301 Introduction to Computer Systems
Approved Elective (See department chair for options)
Approved Elective (See department chair for options)
Total Semester Hours45
Building Trades Courses BLDG 1601 Construction Principles I
(4-6)
BLDG 1602 Carpentry I
(4-6)
BLDG 1603 Construction Principles II (4-6)
A continuation of BLDG 1601. Competencies emphasize roof framing, sheathing, roofing, exterior trim, and interior trim. Continues blueprint and specification understanding, material and time estimation, including a basic study of light commercial construction. Lab fee required. (SCANS 1,3,4,6,8) Prerequisite: BLDG 1601. Corequisite: BLDG 1604.
BLDG 1604 Carpentry II
(4-6)

interior trim. Working as a team member on a project house, adaptability, and politeness are emphasized. Lab fee required. (SCANS 3,5,8,10) Prerequisite: BLDG 1602 or consent of the department chair.

BLDG 2377 Cooperative Work Experience

BLDG 2601 Construction Principles III

BLDG 2603 Cabinet Making I

BLDG 2607 Cabinet Making II

Broadcasting (See Mass Communication)

Business Administration

Faculty: Robert Muñoz, chair; Jack Felts, Dan Neagle.

Business administration is a broad field of study and contains many possible majors. Courses offered include those required by senior colleges at the freshman and sophomore levels to obtain the degree of bachelor of science of business administration or a bachelor of business administration (B.B.A.) in a specific undergraduate study, such as accounting. A business major should be aware of the opportunities, requirements and obligations in various majors of specialization so that a proper choice for study can be made. Students should reserve the decision of choosing an area of emphasis depending on their own abilities and interests. Suggested fields of study include accounting,

advertising, banking, finance, business, teaching, various phases of management, insurance, retailing, marketing and statistical analysis.

The department also offers courses that may be directly applicable to those who already are employed but wish to upgrade their job skills or to meet certification requirements for their particular vocation.

Course of Study for Associate in Arts Degree Business Administration

Dualines Administration	
	Semester H
General Education Requirements	56
ECON 2301 Principles of Economics I (Macro)	3
ECON 2302 Principles of Economics II (Micro)	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL (sophomore Level)	6
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	3
HIST 1301 U.S History to 1877	3
HIST 1302 U.S. History from 1877	3
*PHED (any two one-hour activity courses)	2
Science (two sequential semesters of a lab science in	
Biology, Chemistry, Geology or Physics)	8
SPCH 1321 Business and Professional Speech	
BCIS 1401 Introduction to Computer Information Systems or	
a more advanced BCIS course or	
COSC 1301 Introduction to Computer Systems	3
MATH 1324 Mathematical Analysis for Business I	
MATH 1325 Mathematical Analysis for Business II	
MATH 1442 Business Statistics	4
Major Requirements	12
ACCT 2301 Principles of Accounting I	
ACCT 2302 Principles of Accounting II	3
BUSI 1301 Introduction to Business	
+BUSI 2301 Business Law I	
Total Semester Hours	
	-
*PHED 1100 should be the first course taken in physical education.	

+May not be accepted by all four-year or upper-level institutions because of the level at which those institutions offer the course. The student and the department advisor may then agree on a substitution.

Business Administration core curriculum leading to degrees in Accounting, Finance, Personnel, Management, Marketing, etc.

Core courses leading to the degrees listed above from four-year institutions are the same as those listed for the associate in arts degree (business administration) at Odessa College. The courses listed for the associate in arts degree from Odessa College are transferable between Texas institutions of higher education, except as noted for BUSI 2301, Business Law I. SOCI 1301, Principles of Sociology; and PSYC 2301, Introduction to Psychology are also core courses for business administration and may be selected electives in the associate in arts degree plan.

Business Administration Courses

BUSI 1301 Introduction to Business (52.0101.5125) Presents an overview of various components of business and industry. Emphasizes integration of text material with current and local business operations and decisionmaking processes. Learning activities include background reading and applications from text materials, current events, class discussions, written reports, quest speakers and occasional work-site visits. Also aids students in career planning by emphasizing aptitudes and skills expected in various fields of business specializations. (SCANS 6,7,10,11) Prerequisite: None. **BUSI 2301 Business Law I** (22.0101.5125) Provides information about the legal system and its impact on business operations and decisions. Learning activities provide students opportunities to acquire factual information about designated topics as well as to apply and relate that knowledge to simulated and current business situations. Topics covered include the legal environment of business; the nature and source of legal systems; law of contracts; agency; government regulation of business; and property. Ethical perspectives are integrated throughout the course. (SCANS 6,7,9,11) Prerequisite: Passed TASP English, reading. **BUSI 2302 Business Law II** (22.0101.5125) A continuation of BUSI 2301. Learning activities provide opportunities for students to acquire factual information about specific areas of law as well as opportunities for students to apply and relate that knowledge to simulated and current business situations. Topics covered include legal principles of sales; commercial paper; secured transactions; bankruptcy; and business organization. Ethical perspectives are integrated throughout the course. (SCANS 6,7,9,11) Prerequisite: TASP English, reading. **BUSI 2379 Spreadsheet Applications for Decision Making** Use of microcomputer spreadsheet software as a tool for analysis and decision making is introduced. Learning activities and materials provide opportunities for students to apply principles of accounting using both spreadsheets and related graphics. Applications include both pre-programmed problem-solving and modelbuilding problems for more complex cases. Lotus 1-2-3 is the primary spreadsheet utilized, but similarities to other spreadsheet programs (Quattro Pro, Microsoft Excel, etc.) are included. Specific applications incorporate budgeting, financial planning, preparation of financial statements, reports, graphs, depreciation schedules, inventory control, statistical analysis, tax planning and performance of "what-if" analysis. (SCANS 2,3,4,6,8,9) Prerequisites: ACCT 1370 or ACCT 2301. **Accounting Courses** ACCT 1370 Introduction to College Accounting (52.0301.5125) (3-0) 3 hours For business and non-business majors. Designed for students with no course background or experience in bookkeeping or accounting. Introduces basic theory of

double-entry accounting for sole proprietorships. Uses both manual and

technological means to emphasize the complete accounting cycle, including accrual and deferral adjustments. Other topics include financial statement preparation, accounting for cash, merchandising, payroll, receivables and payables. Practice set

may be required. (SCANS 3,4,6,8,9) Prerequisite: Math competency based on TASP.

ACCT 2301 Principles of Accounting I (52.0301.5125)

ACCT 2302 Principles of Accounting II (52.0301.5125)

Chemistry

Faculty: Dr. E. Don Taylor, chair; Darren Shelton, paraprofessional.

The objectives of the chemistry department are to prepare pre-professional chemists, chemical engineers, and chemical education majors, and to give an effective background in chemistry for work in biology, physics, home economics, agriculture, premedicine, and elementary education. A co-objective is to prepare students for careers in chemical technology, where emphasis is placed on applied chemistry for modern laboratory instrumentation.

The chemistry curriculum is intended to be general enough to fulfill these objectives for the major or the non-major's requirements for the first two years of college chemistry. Students are responsible for checking the catalog of the senior college to which they plan to transfer to determine which courses are compatible with the senior college degree program.

Course of Study for Associate in Science Degree Chemistry

	Semester Hrs
General Education Requirements	44
COSC 1415 Introduction to Computer Science	4
ENGL 1301 Composition and Rhetoric	
ENGL 1302 Composition and Literature	
ENGL (sophomore level)	3
GOVT 2301 U.S. and Texas Government	
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877	

70
HIST 1302 U.S. History from 1877
Major Requirements 18
CHEM 1311/1111 General Inorganic Chemistry I/
Fundamentals of Chemistry Lab I
CHEM 2323/2123 Organic Chemistry I/Organic Chemistry Lab I
CHEM 2325/2125 Organic Chemistry II/Organic Chemistry Lab II
***Approved Electives
• •
Total Semester Hours 65-66
*PHED 1100 should be the first course taken in physical education.
**PHYS 1401 and PHYS 1402 satisfy the Odessa College requirement for an associate degree for premedical students, but only PHYS 2425 and PHYS 2426 will transfer to satisfy a science requirement.
***Approved electives: CHEM 1207, CHEM 2301 and CHEM 2101; FREN 1411 and FREN 1412; GERM 1411 and GERM 1412; MATH 2314.
Chemistry Courses
CHEM 1105 Introductory Chemistry Laboratory (40.0501.5139)
CHEM 1105 Introductory Chemistry Laboratory (40.0501.5139) (0-3)
(0-3)
(0-3)
(0-3)
(0-3)
(0-3)
(0-3)

CHEM 1305 Introductory Chemistry (40.0501.5139)

CHEM 1311 General Inorganic Chemistry I (40.0501.5239)

CHEM 1312 General Inorganic Chemistry II (40.0501.5239)

CHEM 2101 Analytical Chemistry Laboratory I (40.0502.5139)

CHEM 2123 Organic Chemistry Laboratory I (40.0504.5239)

CHEM 2125 Organic Chemistry Laboratory II (40.0504.5239)

CHEM 2271 Organic Nomenclature (40.0504.7239)

CHEM 2301 Analytical Chemistry (40.0502.5139)

CHEM 2323 Organic Chemistry I (40.0504.5239)

CHEM 2325 Organic Chemistry II (40.0504.5239)

Child and Parent Development/Tech Prep

Faculty: Lucinda Hurlbut, chair; Mary Hanson.

The field of child and parent development is a rapidly growing area with a wide range of employment possibilities. An increasing number of job opportunities are available in the community for those who work with children. Public and private schools, federal agencies, day care centers, industry and community agencies need professionally-trained people who understand children and who can give them love, guidance and leadership.

The associate degree program in child and parent development will provide an opportunity for an in-depth study of the whole child. In the certificate program, the specialization is in child development or child care management. In all programs, the child development lab courses will include an actual experience with the children. Students enrolled in child development lab classes must meet Texas Department of Regulatory and Protective Services staff requirements for day-care centers.

Student liability insurance is required for all child development lab classes. See your high school counselor or the Odessa College department chair for information on tech-prep options.

Course of Study for Associate in Applied Science Degree Child and Parent Development

Citing and Farent Development
Semester Hrs
General Education Requirements
*COSC 1301 Introduction to Computer Systems
ENGL 1301 Composition and Rhetoric or
ENGL 1312 Report Writing
GOVT 2301 U.S. and Texas Government or
GOVT 2302 American National Government
MATH 1332 Structures of College Mathematics I or higher level math
**PHED (any two one-hour activity courses)
SPCH 1321 Business and Professional Speech or
SPCH 1315 Public Speaking 3
, -
Major Requirements 47
*CHLD 1150 Family and Parenting Issues
*CHLD 1250 Parent and Community Interaction 2
*CHLD 1302 Introduction to Child Development
CHLD 1304 The Abused and Neglected Child
*CHLD 1305 Creative Activities for Children
CHLD 1307 Discipline and Classroom Management 3
*CHLD 1311 Child Health Care and Nutrition
CHLD 1408 Child Growth and Development of Infants and Toddlers 4
CHLD 2301 Personal and Family Management 3
CHLD 2303 School Age Growth and Development
CHLD 2304 The Special Child 3
CHLD 2305 Children's Language and Literature Development
CHLD 2306 Science and Math Activities for Children 3
CHLD 2310 Effective Parenting
CHLD 2377 Cooperative Work Experience
CHLD 2403 Planning and Teaching Methods in Early Childhood 4
Related Requirements 6
PHED 1306 First Aid
PSYC 2308 Child Psychology 3
Total Semester Hours 70

*Indicates courses which may be articulated by tech-prep agreement with high school.
**PHED 1100 should be the first course taken in physical education.

Certificates of completion are available in the following fields. Level I certificates are TASP -waived.

Level I Certificate - Child Care Aide

Semester Hrs
General Education Requirements 3
*COSC 1301 Introduction to Computer Systems
Major Paguiremente 12
*CHLD 1150 Family and Parenting Issues
*CHLD 1250 Parent and Community Interaction
*CHLD 1302 Introduction to Child Development
*CHLD 1305 Creative Activities for Children 3
*CHLD 1311 Child Health Care and Nutrition
Related Requirements 3
PHED 1306 First Aid 3
Total Semester Hours 18
*Indicates courses which may be articulated by tech-prep agreement with high school.
nuitates courses what may be altocated by teen prop agreement with inglification.
Level I Certificate — Child Development Associate (CDA)
Sampetar Hre
General Education Requirements 3
*COSC 1301 Introduction to Computer Systems
COSC 1007 INCOSCIONAL COMPANY CONTRACTOR CON
Major Requirements 16
*CHLD 1150 Family and Parenting Issues
*CHLD 1250 Parent and Community Interaction
*CHLD 1302 Introduction to Child Development
*CHLD 1305 Creative Activities for Children
CHLD 1307 Discipline and Classroom Management
*CHLD 1311 Child Health Care and Nutrition
CHLD 2115 Managing Day Care Dollars 1
Of ILD 2110 Managing Day Oard Donard
Related Requirements 3
PHED 1306 First Aid
Total Semester Hours
*Indicates courses which may be articulated by tech-prep agreement with high school.
, , , , , , , , , , , , , , , , , , , ,
Level II Certificate - Child Care/Preschool Assistant Teacher
Semester Hrs
General Education Requirements9
*COSC 1301 Introduction to Computer Systems 3
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing
MATH 1332 Structures of College Mathematics I or higher level math 3
Major Requirements
*CHLD 1150 Family and Parenting Issues
*CHLD 1250 Parent and Community Interaction
*CHLD 1302 Introduction to Child Development
CHLD 1304 The Abused and Neglected Child
CHLD 1305 Creative Activities for Children
CHED 1307 Discipline and Classroom Management

creating newsletters, and utilizing various resources. Emphasis will be placed upon working with multicultural diversity, conducting successful parent/teacher conferences and exercising parent involvement. (SCANS 2.5.6.9.10.11) Prerequisite: None.

CHLD 1302 Introduction to Child Development

children, safety, health, first aid, child abuse and nutrition with emphasis on interpreting the Texas licensing standards. Presents the development theorists, the four areas of development, the ages and stages of development as well as how to choose and implement appropriate activities. Introduces interviewing and resume writing skills needed for securing a child care career. Lab assignments are designed to allow students to use their reasoning ability to solve problems, make decisions and interpret observational forms. Lab fee required. (SCANS 1,4,9) Prerequisite: None.

CHLD 1304 The Abused and Neglected Child

CHLD 1305 Creative Activities for Children

CHLD 1307 Discipline and Classroom Management

CHLD 1311 Child Health Care and Nutrition

CHLD 1408 Child Growth and Development of Infants and Toddlers

CHLD 2111 Legal Aspects and Minimum Standards

CHLD 2115 Managing Day Care Dollars

CHLD 2120 Communication and Discipline in the Child Care Program

CHLD 2125 Food and Meal Management for Child Care

CHLD 2130 Staff Management

CHLD 2135 Program Planning and Evaluation

of supplies and equipment for implementing a child care program. A variety of procedures for on-going and periodic evaluation of a child care program will be presented. (SCANS 2,4,5,9) Prerequisite: None.

CHLD 2301 Personal and Family Management

CHLD 2303 School Age Growth and Development

CHLD 2304 The Special Child

CHLD 2305 Children's Language and Literature Development

CHLD 2306 Science and Math Activities for Children

CHLD 2310 Effective Parenting

emotional growth of children and parents will be taught as well as learning how to develop strategies for managing stressful situations. (SCANS 2,4,5,7,9,10,11) Prerequisites: None.

CHLD 2377 Cooperative Work Experience

CHLD 2403 Planning and Teaching Methods in Early Childhood

Clinical Laboratory Sciences

Faculty: Joel Smith, chair; Annette McMinn, education coordinator; Eloisa Corbell, paraprofessional; Dr. Kris Challapalli, medical advisor.

Medical Laboratory Technology

Medical laboratory technology is a special two-year program of combined academic and clinical training which prepares students with entry skills in medical laboratory techniques, completes prerequisites for certification by examination in the category of medical laboratory technician and leads to an associate in applied science degree. The Odessa College MLT program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (next programmatic review: April 1998). Laboratory practicums are under the full-time supervision of a qualified education coordinator at affiliated clinical laboratories. The entire program is supervised by a pathologist certified by the American Society of Clinical Pathologists and the College of American Pathologists.

Because practicum space is limited, students will be admitted on a selected basis. To be admitted to the program, students must be a high school graduate or equivalent, must achieve a satisfactory score on selected placement examinations and must show evidence of good physical and mental health. Applicants must submit their applications and fulfill admission requirements no later than two weeks prior to the start of the second summer term.

Students must maintain an average grade of "C" or better for all courses taken and attain no grade lower than "C" in any clinical laboratory science course to continue the program.

Students seeking additional information should contact the chair, clinical laboratory sciences department. Applications for the associate degree program may be obtained from the counseling center.

Student liability and health insurance are required for all laboratories and clinical practicums.

Course of Study for Associate in Applied Science Degree Medical Laboratory Technology

First Year

i not roui	Semester	Hre
Summer Session II CLSC 1304 Urinalysis and Body Fluids	3	
Fall Semester CHEM 1111 Fundamentals of Chemistry Laboratory I	3 2 6	
Spring Semester BIOL 1407 General Biology CLSC 1212 Immunology & Immunohematology Lab CLSC 1602 Immunology & Immunohematology SPCH 1321 Business and Professional Speech	2 6	
Summer Session I COSC 1301 Introduction to Computer Systems HIST 1301 United States History to 1877 or HIST 1302 United States History from 1877		
Second Year		
	Semester	Hrs
Summer Session II GOVT 2301 U.S. and Texas Government or GOVT 2302 American National Government	3	Ì
Fall Semester		
CLSC 2211 Clinical Microbiology Laboratory	2	l
CLSC 2321 Clinical Practicum		
PHED 1100 Health Assesment		1
Spring Semester		
CLSC 2212 Clinical Chemistry Laboratory	2	
CLSC 2322 Clinical Practicum	3	1
*PHED one-hour activity course	1	
*PHED 1100 should be the first course taken in physical education.		

Phlebotomy

Phlebotomy is a special 10-week program of combined classroom instruction and clinical experience in affiliated medical laboratories which prepares students with career entry skills in phlebotomy, completes requirements for a certificate of completion in phlebotomy and completes prerequisites for certification by examination in the category of phlebotomy technician. The Odessa College phlebotomy program is approved by the National Accrediting Agency for Clinical Laboratory Sciences (next programmatic review: April 1997). The clinicals are under the full-time supervision of a certified medical technologist, certified medical laboratory technician or certified phlebotomist.

Because clinical space is limited, students will be admitted on a selected basis. To be admitted to the phlebotomy program, students must be a high school graduate or equivalent and must show evidence of good physical and mental health. Applications must be submitted no later than two weeks prior to the start of the published date for the start of the next class.

Students must attain no grade lower than "C" in any phlebotomy course to complete the course of study. The student must have a grade no lower than "C" in CLSC 1500 to enroll in CLSC 1220.

The phlebotomy program is offered throughout the year as applicants become sufficient for the formation of a class. Classes are tentatively scheduled for the fall, spring and summer terms. Interested parties should contact the clinical laboratory sciences department for projected class offerings. Phlebotomy courses are offered on a credit and non-credit basis.

Students seeking additional information should contact the chair, clinical laboratory sciences department. Applications for the phlebotomy program may be obtained from the counseling center.

Student liability and health insurance are required for all laboratories and clinical practicums.

Course Of Study For Certificate of Completion

	Semester Hr	8
CLSC 1220 Phlebotomy Clinical	2	
CLSC 1500 Phlebotomy	5	

Clinical Laboratory Science Courses

CLSC 1211 Urinalysis, Hematology & Hemostasis Lab

CLSC 1212 Immunology and Immunohematology Lab

for transfusion. Laboratory safety is stressed. Lab fee and liability insurance required. (SCANS 1,2,3,6,7,8,9) Prerequisite: CLSC 1211 and consent of the department chair. Corequisite: CLSC 1602.

CLSC 1220 Phiebotomy Clinical

CLSC 1304 Urinalysis and Body Fluids

CLSC 1500 Phlebotomy

CLSC 1601 Hematology and Hemostasis

CLSC 1602 immunology and immunohematology

CLSC 2211 Clinical Microbiology Lab

principles and procedures of selected techniques employed in clinical microbiology for the isolation and identification of microorganisms pathogenic to man. Laboratory exercises are performed following written procedures and require selection, performance and interpretation of stains and biochemical tests appropriate for the identification of a microorganism; compilation and correlation of generated data; and submission of narrative and form reports. Laboratory safety is stressed. Lab fee required. (SCANS 1,2,3,4,6,7,8,9,10) Prerequisite: Consent of department chair. Corequisite: CLSC 2601.

CLSC 2212 Clinical Chemistry Lab

CLSC 2321 Clinical Practicum

CLSC 2322 Clinical Practicum

CLSC 2601 Clinical Microbiology

CLSC 2602 Clinical Chemistry

Computer Information Systems

Faculty: Linda Fry, chair; Ray Cone, Bobby Davis, James Jordan, Mitch Slusher.

The computer information systems curriculum provides students with practical, jobrelated computer experience. Courses offered provide background terminology and concepts needed to understand and communicate; provide experience with programming languages, operating systems and software products; develop good programming and system design techniques; and encourage students to develop the ability to continue to grow and mature as knowledgeable computer professionals in a rapidly changing field.

Course of Study for Associate in Applied Science Degree Computer Information Systems

	Semester I
General Education Requirements	23
ENGL 1301 Composition and Rhetoric	
ENGL 1302 Composition and Literature	3
GOVT 2301 U.S. and Texas Government or	
GOVT 2302 American National Government	3
HIST 1301 U.S. History to 1877 or	
HIST 1302 U.S. History from 1877	3
MATH 1324 Mathematical Analysis for Business I	
*PHED (any two one-hour activity courses)	
PSYC 2302 Applied Psychology	3
SPCH 1321 Business and Professional Speech	3
Elective	3
Major Requirements	15
BCIS 1200 Programming Logic	2
BCIS 1302 PC Operating Systems	3
BCIS 1401 Introduction to Computer Information Systems	4
BCIS 2305 Systems Analysis Methods	3
BCIS 2377 Cooperative Work Experience	3
**Major Emphasis (Select either option I or II below)	24
Total Semester Hours	65
*PHED 1100 should be the first course taken in physical education.	
**Major Emphasis Options:	

*Major Emphasis Options:

Option I - Business Programming*

Semester Hrs

	ACCT 1370 Introduction to College Accounting	
	OFST 1100 Basic Keyboarding Skills	
	BCIS 1403 COBOL Programming	
	BCIS 2320 AS/400 Operating Systems	
	Option II - PC Support Specialist*	
	Semester Hou BCIS 1303 PC Hardware/Software	urs
	BCIS 1303 PC Hardware/Software	
	BCIS 2215 Word Processing	
	BCIS 2302 Network Operating Systems	
-	Total Semester Hours24	
	*Minimal Entry Requirements: Keyboarding Skills, College Level Reading/Writing	
	Course of Study for Certificate of Technology	
	Level I certificates are TASP -waived.	
	Levei I - Business Programming	
	Semester Hou General Education Requirements12	urs
•	General Education Requirements	urs
	General Education Requirements	urs
	General Education Requirements	urs
	General Education Requirements12ACCT 1370 Introduction to College Accounting3ENGL 1301 Composition and Rhetoric3MATH 1324 Mathematical Analysis for Business I3SPCH 1321 Business and Professional Speech3	urs
	General Education Requirements	urs
	General Education Requirements12ACCT 1370 Introduction to College Accounting3ENGL 1301 Composition and Rhetoric3MATH 1324 Mathematical Analysis for Business I3SPCH 1321 Business and Professional Speech3Major Requirements23BCIS 1200 Programming Logic2BCIS 1320 AS/400 File Processing3	urs
	General Education Requirements12ACCT 1370 Introduction to College Accounting3ENGL 1301 Composition and Rhetoric3MATH 1324 Mathematical Analysis for Business I3SPCH 1321 Business and Professional Speech3Major Requirements23BCIS 1200 Programming Logic2BCIS 1320 AS/400 File Processing3BCIS 1401 Introduction to Computer Information Systems4	urs
	General Education Requirements 12 ACCT 1370 Introduction to College Accounting 3 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3 Major Requirements 23 BCIS 1200 Programming Logic 2 BCIS 1320 AS/400 File Processing 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1419 RPG/400 Programming 4	urs
	General Education Requirements 12 ACCT 1370 Introduction to College Accounting 3 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3 Major Requirements 23 BCIS 1200 Programming Logic 2 BCIS 1320 AS/400 File Processing 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1419 RPG/400 Programming 4 BCIS 2305 Systems Analysis Methods 3	urs
	General Education Requirements 12 ACCT 1370 Introduction to College Accounting 3 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3 Major Requirements 23 BCIS 1200 Programming Logic 2 BCIS 1320 AS/400 File Processing 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1419 RPG/400 Programming 4	urs
	General Education Requirements 12 ACCT 1370 Introduction to College Accounting 3 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3 Major Requirements 23 BCIS 1200 Programming Logic 2 BCIS 1320 AS/400 File Processing 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1419 RPG/400 Programming 4 BCIS 2305 Systems Analysis Methods 3 BCIS 2320 AS/400 Operating Systems 3	urs
	General Education Requirements 12 ACCT 1370 Introduction to College Accounting 3 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3 Major Requirements 23 BCIS 1200 Programming Logic 2 BCIS 1320 AS/400 File Processing 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1419 RPG/400 Programming 4 BCIS 2305 Systems Analysis Methods 3 BCIS 2320 AS/400 Operating Systems 3 BCIS 2419 Advanced RPG/400 Programming 4 Total Semester Hours 35	
	General Education Requirements 12 ACCT 1370 Introduction to College Accounting 3 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3 Major Requirements 23 BCIS 1200 Programming Logic 2 BCIS 1320 AS/400 File Processing 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1419 RPG/400 Programming 4 BCIS 2305 Systems Analysis Methods 3 BCIS 2320 AS/400 Operating Systems 3 BCIS 2419 Advanced RPG/400 Programming 4 Total Semester Hours 35	
	General Education Requirements 12 ACCT 1370 Introduction to College Accounting 3 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3 Major Requirements 23 BCIS 1200 Programming Logic 2 BCIS 1320 AS/400 File Processing 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1419 RPG/400 Programming 4 BCIS 2305 Systems Analysis Methods 3 BCIS 2320 AS/400 Operating Systems 3 BCIS 2419 Advanced RPG/400 Programming 4 Total Semester Hours 35 Level I - PC Support Specialist Semester Hours General Education Requirements 9	
	General Education Requirements 12 ACCT 1370 Introduction to College Accounting 3 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3 Major Requirements 23 BCIS 1200 Programming Logic 2 BCIS 1320 AS/400 File Processing 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1419 RPG/400 Programming 4 BCIS 2305 Systems Analysis Methods 3 BCIS 2320 AS/400 Operating Systems 3 BCIS 2419 Advanced RPG/400 Programming 4 Total Semester Hours 35 Level I - PC Support Specialist Semester Hours General Education Requirements 9 ENGL 1301 Composition and Rhetoric 3	
	General Education Requirements 12 ACCT 1370 Introduction to College Accounting 3 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3 Major Requirements 23 BCIS 1200 Programming Logic 2 BCIS 1320 AS/400 File Processing 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1419 RPG/400 Programming 4 BCIS 2305 Systems Analysis Methods 3 BCIS 2320 AS/400 Operating Systems 3 BCIS 2419 Advanced RPG/400 Programming 4 Total Semester Hours 35 Level I - PC Support Specialist Semester Hours General Education Requirements 9 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3	
	General Education Requirements 12 ACCT 1370 Introduction to College Accounting 3 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3 Major Requirements 23 BCIS 1200 Programming Logic 2 BCIS 1320 AS/400 File Processing 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1419 RPG/400 Programming 4 BCIS 2320 AS/400 Operating Systems 3 BCIS 2419 Advanced RPG/400 Programming 4 Total Semester Hours Semester Hours Level I - PC Support Specialist Semester Hours General Education Requirements 9 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3	
	General Education Requirements 12 ACCT 1370 Introduction to College Accounting 3 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3 SPCH 1321 Business and Professional Speech 3 Major Requirements 23 BCIS 1200 Programming Logic 2 BCIS 1320 AS/400 File Processing 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1419 RPG/400 Programming 4 BCIS 2305 Systems Analysis Methods 3 BCIS 2320 AS/400 Operating Systems 3 BCIS 2419 Advanced RPG/400 Programming 4 Total Semester Hours 35 Level I - PC Support Specialist Semester Hours General Education Requirements 9 ENGL 1301 Composition and Rhetoric 3 MATH 1324 Mathematical Analysis for Business I 3	

BCIS 1303 PC Hardware/Software 3 BCIS 1310 Database Management Systems I 3 BCIS 1401 Introduction to Computer Information Systems 4 BCIS 1404 Programming in Pascal 4 BCIS 2215 Word Processing 2 BCIS 2220 Spreadsheets 2 BCIS 2302 Network Operating Systems 3 BCIS 2310 Database Management Systems II 3 Total Semester Hours 38
Computer Information Systems Courses
BCIS 1200 Programming Logic (2-0)
(3-0)
BCIS 1303 Hardware and Software (3-0)
BCIS 1310 Database Management Systems I (3-0)
BCIS 1320 AS/400 File Processing (2-3)

reports and design and improve application software. Students will learn how to choose the correct procedures and use their creativity/problem-solving skills to create a useful and informational database system. Spring only. Lab Fee Required. (SCANS 2,3,6,7,8,9) Prerequisite: BCIS 1200 and BCIS 1401 or instructor approval.

BCIS 1401 Introduction to Computer Information Systems (52.1202.5227)

BCIS 1403 COBOL Programming

BCIS 1404 Pascal Programming

BCIS 1419 RPG/400 Programming

BCIS 2215 Word Processing

BCIS 2220 Spreadsheets

Excel. Topics covered include formulas, range commands, formatting, printing, proper spreadsheet design, statistical and financial functions, data management, graphs, table lookup functions, spreadsheet security and macros. Lab fee required. (SCANS 3,4,6,7,8,9) Prerequisite: College math or instructor approval.

BCIS 2302 Network Operating Systems

BCIS 2305 Systems Analysis Methods

BCIS 2310 Database Management Systems II

BCIS 2320 AS/400 Operating Systems

BCIS 2377 Cooperative Work Experience

BCIS 2415 Advanced Pascal/Data Structures

BCIS 2419 Advanced RPG/400 Programming

Computer Science

Faculty: Linda Fry, chair; Ray Cone, Mitch Slusher.

The computer science curriculum provides students with course work comparable to the first two years for a bachelor's degree in computer science. The ACM curricula recommendations for computer science (1983) serve as the basis for this area of study.

Course work introduces students to the concept of a program and techniques of good program design, to internal data representations and common data structures, to elementary mathematics associated with computer systems and to a working knowledge of Pascal, C, and assembly programming languages.

The following curriculum in computer science has been designed as a guide for those students wishing to prepare for a bachelor's degree in computer science.

Course of Study for Associate in Science Degree Computer Science

One and Education Demokratical	Semester Hrs	3
General Education Requirements		
ENGL 1301 Composition and Rhetoric	3	
ENGL 1302 Composition and Literature	3	
ENGL (any sophomore level literature)	3	
GOVT 2301 U.S. and Texas Government	3	
GOVT 2302 American National Government	3	
HIST 1301 U.S. History to 1877	3	
HIST 1302 U.S. History from 1877	3	
Lab Science Sequence in Chemistry or Engineering Physics	8	
Lab Science Elective	4	
*MATH 1314 College Algebra	3	
*MATH 1316 Trigonometry	3	
**PHED (any two one-hour activity courses)	2	
SPCH 1321 Business and Professional Speech	3	

98
Elective (must be outside the major area)3
Major Requirements
Total Semester hours 67
* MATH 1348, MATH 2313 or MATH 2314 may be substituted. Because upper level institutions require advanced math courses, taking additional math courses in your degree plan is recommended.
** PHED 1100 should be the first course taken in physical education.
NOTE: Computer science majors should consult the degree requirements of the university which they plan to attend before selecting electives or specific general education courses.
Computer Science Courses
COSC 1301 Introduction to Computer Systems (11.0101.5227) (3-0)
Presents extensive vocabulary, concepts and techniques needed to begin study of computers. Covers hardware/software fundamentals, history, information systems concepts and societal trends. Emphasis is placed on using the computer to process text and numeric information. By using software packages including a word processor, electronic spreadsheet, database management system and MS-DOS/Windows, the student is able to identify and select the correct hardware/software to apply to a given problem. Lab exercises are designed to allow students to use their reasoning ability to solve problems and make decisions. Not for computer science majors or BCIS majors. Lab fee required. (SCANS 1, 2,3,6,8,9) Prerequisite: None.
(3-3)
(3-3)
COSC 2418 Programming Concepts II (11.0201.5327)
(3-3)

advanced file handling techniques. Students will design, code, test, debug and document programs. Programming techniques will involve arrays of record structures, both singly and doubly-linked dynamic record lists, binary tree dynamic record maintenance with recursive algorithms and both internally and externally indexed files. Fall only. Lab fee required. (SCANS 5,6,7,8,9) Prerequisite: COSC 1418 or BCIS 1404 or instructor approval.

COSC 2420 Programming Structures in "C" (11.0201.5327)

COSC 2425 Computer Organization and Assembly Language (11.0201.5427)

Cosmetology

Faculty: Linda Sullivan, chair; Sylvia Blain, Lou Ann Hitt, Johnnie Luttrell, Theresa Vaughn.

Cosmetology courses at Odessa College seek to provide students with the skill and knowledge required to pass the Texas Cosmetology Commission examination for licensing in Texas and for successful entry into the cosmetology profession. All aspects of the beauty profession are presented, and training also is available for the cosmetologist seeking an instructor's license.

Requirements for admission to the cosmetology program, in addition to the Odessa College admission requirements, are having a personal interview with the department chair, and sending a \$25 fee and one 1 1/2-inch-square picture to the Texas Cosmetology Commission for a student permit. Students also are required to purchase a cosmetology kit. For admission, applicants should apply to Odessa College and to the chair of the cosmetology department.

The program is designed around an open-entry and -exit concept. New students may start cosmetology classes any Monday instead of waiting for the beginning of the term or semester. Because of limited enrollment, students are urged to apply as early as possible before the date of proposed admission.

An advanced standing procedure is available for those individuals who hold a valid Texas cosmetology license which did not result from completion of a program at Odessa College. People in this category who wish to pursue an associate degree may satisfy cosmetology requirements outlined in the associate degree course of study in the following manner: (1) by providing proof of licensure to the college registrar and/or to the director of the cosmetology program; (2) by successfully completing COSM 2601 and COSM 2603 for a total of 12 semester hours credit; (3) by successfully completing a comprehensive examination for 24 of the 36 required hours of cosmetology listed in the course of study, the examination to be administered and evaluated by the department of cosmetology; and (4) by satisfying all other requirements in the course of study for an

associate in applied science degree in cosmetology. Any deviation from these stipulations must be petitioned for in writing and approval must be received in advance from the cosmetology department chair and the division dean.

Student liability insurance is required for students enrolled in cosmetology.

Course of Study for Associate in Applied Science Degree
Cosmetology

General Education Requirements for all Cosmetology Degrees	General Education Requirements for all Cosmetology Degrees	Semester Hrs
*PHED (any two one-hour activity courses)	ENGL 1301 Composition and Rhetoric	3 3 3
Cosmetology Operator Option Semester Hrs	*PHED (any two one-hour activity courses)PSYC 2302 Applied PsychologySPCH 1315 Public Speaking or	2 3
Semester Hrs Seme	In addition to the 20 hours listed, students must select one of the follow	ing options.
Semester Hrs Seme	Cosmetology Operator Option	
COSM 2601 Introduction to Cosmetology	Major Requirements (1500 Clock Hours)	Semester Hrs
COSM 2603 Cosmetology Procedures I 6 COSM 2604 Cosmetology Procedures II 6 COSM 2605 Cosmetology Procedures IV 6 COSM 2606 Cosmetology Procedures IV 6 Elective (must be outside the major area) 3 Related Required Courses 9 BUSI 2301 Business Law I 3 MGMT 2304 Personnel and Human Relations 3 MGMT 1321 Principles of Marketing or MGMT 2331 Introduction to Small Business Management 3 Total Semester Hours 68 Note: Student not desiring the associate in applied science degree may receive a certificate of completion operator option. Semester Hrs Major Requirements (750 Clock Hours) 32 COSM 2811 Lesson Plan Development and Supervision 8 COSM 2812 Management and Assessment Skills 8 COSM 2814 State Licensure Exam Skills 8 COSM 2814 State Licensure Exam Skills 8 Elective 3 Related Required Courses 9 BUSI 2301 Business Law I 3 MGMT 2304 Personnel and Human Relations 3 MGMT 1321 Principles of Marketing or MGMT 2331 Introduction to Small Business Management 3	COSM 2601 Introduction to Cosmetology	6
COSM 2604 Cosmetology Procedures II	COSM 2602 Cosmetology Skills Development	6
COSM 2605 Cosmetology Procedures IV 6 COSM 2606 Cosmetology Procedures IV 6 Elective (must be outside the major area) 3 Related Required Courses 9 BUSI 2301 Business Law I 3 MGMT 2304 Personnel and Human Relations 3 MGMT 1321 Principles of Marketing or 3 MGMT 2331 Introduction to Small Business Management 3 Total Semester Hours 68 Note: Student not desiring the associate in applied science degree may receive a certificate of completion operator option. Semester Hrs Major Requirements (750 Clock Hours) 32 COSM 2811 Lesson Plan Development and Supervision 8 COSM 2812 Management and Assessment Skills 8 COSM 2813 Classroom Teaching Skills 8 COSM 2814 State Licensure Exam Skills 8 Elective 3 Related Required Courses 9 BUSI 2301 Business Law I 3 MGMT 2304 Personnel and Human Relations 3 MGMT 2331 Introduction to Small Business Management 3		
COSM 2606 Cosmetology Procedures IV		
Blective (must be outside the major area)	COSM 2606 Cosmetology Procedures IV	6
Semester Hrs Semester Hrs		
BUSI 2301 Business Law I	•	
MGMT 2304 Personnel and Human Relations	RUSI 2201 Puoingga Low I	9
MGMT 1321 Principles of Marketing or MGMT 2331 Introduction to Small Business Management	MGMT 2304 Personnel and Human Relations	3 2
Note: Student not desiring the associate in applied science degree may receive a certificate of completion operator option. Cosmetology Instructor Option Semester Hrs Major Requirements (750 Clock Hours) COSM 2811 Lesson Plan Development and Supervision COSM 2812 Management and Assessment Skills COSM 2813 Classroom Teaching Skills COSM 2814 State Licensure Exam Skills BELECTIVE BUSI 2301 Business Law I MGMT 2304 Personnel and Human Relations MGMT 2331 Introduction to Small Business Management 3 MGMT 2331 Introduction to Small Business Management 3	MGMT 1321 Principles of Marketing or	-
Note: Student not desiring the associate in applied science degree may receive a certificate of completion operator option. Cosmetology Instructor Option Semester Hrs Major Requirements (750 Clock Hours) 32 COSM 2811 Lesson Plan Development and Supervision 8 COSM 2812 Management and Assessment Skills 8 COSM 2813 Classroom Teaching Skills 8 COSM 2814 State Licensure Exam Skills 8 Elective 3 Related Required Courses 9 BUSI 2301 Business Law I 3 MGMT 2304 Personnel and Human Relations 3 MGMT 1321 Principles of Marketing or MGMT 2331 Introduction to Small Business Management 3	•	
Cosmpletion operator option. Cosmetology Instructor Option Semester Hrs	Total Semester Hours	68
Semester Hrs Major Requirements (750 Clock Hours) 32 COSM 2811 Lesson Plan Development and Supervision 8 COSM 2812 Management and Assessment Skills 8 COSM 2813 Classroom Teaching Skills 8 COSM 2814 State Licensure Exam Skills 8 Elective 3 Related Required Courses 9 BUSI 2301 Business Law I 3 MGMT 2304 Personnel and Human Relations 3 MGMT 1321 Principles of Marketing or 3 MGMT 2331 Introduction to Small Business Management 3	Note: Student not desiring the associate in applied science degree may re-	ceive a <i>certificate</i>
Major Requirements (750 Clock Hours) 32 COSM 2811 Lesson Plan Development and Supervision 8 COSM 2812 Management and Assessment Skills 8 COSM 2813 Classroom Teaching Skills 8 COSM 2814 State Licensure Exam Skills 8 Elective 3 Related Required Courses 9 BUSI 2301 Business Law I 3 MGMT 2304 Personnel and Human Relations 3 MGMT 1321 Principles of Marketing or MGMT 2331 Introduction to Small Business Management 3		
COSM 2811 Lesson Plan Development and Supervision 8 COSM 2812 Management and Assessment Skills 8 COSM 2813 Classroom Teaching Skills 8 COSM 2814 State Licensure Exam Skills 8 Elective 3 Related Required Courses 9 BUSI 2301 Business Law I 3 MGMT 2304 Personnel and Human Relations 3 MGMT 1321 Principles of Marketing or MGMT 2331 Introduction to Small Business Management 3	Cosmetology Instructor Option	Samaetar Hre
COSM 2813 Classroom Teaching Skills 8 COSM 2814 State Licensure Exam Skills 8 Elective 3 Related Required Courses 9 BUSI 2301 Business Law I 3 MGMT 2304 Personnel and Human Relations 3 MGMT 1321 Principles of Marketing or MGMT 2331 Introduction to Small Business Management 3	Cosmetology Instructor Option Major Requirements (750 Clock Hours)	32
COSM 2814 State Licensure Exam Skills	Cosmetology Instructor Option Major Requirements (750 Clock Hours) COSM 2811 Lesson Plan Development and Supervision	32
Blective	Major Requirements (750 Clock Hours)	8
Related Required Courses	Cosmetology Instructor Option Major Requirements (750 Clock Hours)	8 8
BUSI 2301 Business Law I	Cosmetology Instructor Option Major Requirements (750 Clock Hours)	
MGMT 2304 Personnel and Human Relations	Cosmetology Instructor Option Major Requirements (750 Clock Hours)	
MGMT 1321 Principles of Marketing <u>or</u> MGMT 2331 Introduction to Small Business Management	Major Requirements (750 Clock Hours)	
MGMT 2331 Introduction to Small Business Management 3	Cosmetology Instructor Option Major Requirements (750 Clock Hours)	
•	Major Requirements (750 Clock Hours)	
Total Semester Hours64	Major Requirements (750 Clock Hours)	
	Major Requirements (750 Clock Hours)	

Note: Student not desiring the associate in applied science degree may receive a *certificate* of *completion* instructor option.

*PHED 1100 should be the first course taken in physical education.

Course of Study for Certificate Options

Level I certificates are TASP -waived.

Level I - Certificate of Completion - Operator Option	Semester	Hrs
Major Requirements (1500 Clock Hours)		
General Education Requirements	3	
Total Semester Hours	42	
Level I - Certificate of Completion – Instructor Option	Semester	Hrs
Major Requirements (750 Clock Hours)	8 8	
General Education Requirements	3	
Total Semester Hours	38	
Cosmetology Courses		
COSM 2601 Introduction to Cosmetology	6 hours	
(2-14)	and techniqu	ues
COSM 2602 Cosmetology Skills Development (2-14) Develops fundamental knowledge and understanding of related scien mathematics relevant to cosmetology. Teaches time management, s systematic procedures. (SCANS 3,4,8) Prerequisite or corequisite: C	afetv and	
COSM 2603 Cosmetology Procedures I (2-14)	ation skills to paration for t	the

COSM 2604 Cosmetology Procedures II Emphasizes select care and proper use of commercial products and equipment. (SCANS 4,8,9) Prerequisite: COSM 2603. **COSM 2605 Cosmetology Procedures III** Presents basic chemical characteristics of cosmetics used in beauty salons. Stresses basic principles of chemistry essential to straighten, curl, color and bleach hair. Teaches customer relations, time management and decision making. (SCANS 4,5,8,9) Prerequisite or corequisite: COSM 2604. COSM 2606 Cosmetology Procedures IV Introduces principles used in designing and planning a salon. Stresses location, space allotment and installation costs as well as financial aspects of salon operation. Includes insurance needs and legal requirements regarding wages, working hours, working conditions and customer relations as well as writing an employee guideline manual. (SCANS 2,3,4,5) Prerequisite or corequisite: COSM 2605, COSC 1301 and **PSYC 2302.** COSM 2811 Lesson Plan Development and Supervision Develops teaching skills, methods and techniques. Emphasizes basic unit planning and daily lesson development. (SCANS 9,10) Prerequisite: Current Texas cosmetology operator's license. COSM 2812 Management and Assessment Skills Develops practical clinic management techniques. Includes supervision of students in classroom situations, allocation of student load pertaining to facilities and materials as well as development of assessment tools. (SCANS 4, 5,8.9). Prerequisite or corequisite: COSM 2811. COSM 2813 Classroom Teaching Skills Develops methods and techniques of teaching informational theory and resource allocation. Emphasizes self-management, oral and written communication, creative thinking and leadership skills. (SCANS 2,4,6,5,9,11) Prerequisite or corequisite: COSM 2812. COSM 2814 State Licensure Exam Skills (6-6) 8 hours Designed to prepare students to pass Texas Cosmetology Commission examination for licensure of cosmetology instructors. Emphasizes organization of information for developing and presenting a lesson plan. (SCANS 2,5,6,11) Prerequisite or corequisite: COSM 2813, PSYC 2302 and COSC 1301. **Specialization Programs** Facial Specialist Program A licensed facial specialist is authorized to practice facials, which entail application of facial cosmetics and facial manipulations. Includes licensed salon work such as eve tabs, arches, lash and brow tints and temporary removal of facial hair. COSM 1703 Facial Specialization I

Prepares student to pass exam for state licensure with knowledge and skills needed

as a facial specialist. Furnishes students with knowledge to allocate and follow a time schedule which coincides with the student/customer relationship. Emphasizes related technology selection necessary for application of cosmetics and facial manipulations. Includes eye tabs, arches, lash and brow tints and temporary removal of facial hair. (SCANS 4,5,8) Prerequisite: None.

COSM 1704 Facial Specialization II

Shampoo-Conditioning Specialist Program

A licensed shampoo specialist is authorized to render shampoos, scalp manipulations and scalp treatments. Also authorizes the application of conditioners, rinses and shampoos in a licensed beauty salon.

COSM 1302 Shampoo and Conditioning Specialist

Criminal Justice (see Law Enforcement/Criminal Justice)

Culinary Arts

Faculty: Peter Lewis, chair; Terry Gouley.

Odessa College offers an associate in applied science degree program in the culinary arts. This program trains individuals in the basic and advanced principles of food preparation and baking, with additional emphasis focusing on managerial and supervisory skills and practices. The curriculum intends to prepare individuals for entry level professional positions as cooks and bakers and would afford those individuals with sufficient thinking, reasoning and application skills an opportunity to pursue and obtain advancement in their chosen profession.

Course of Study for Associate in Applied Science Degree Culinary Arts

Culinary Arts	
Semester	
General Education Requirements23	j
COSC 1301 Introduction to Computer Systems	;
ENGL 1301 Composition and Rhetoric	;
GOVT 2301 U.S. and Texas Government or	
GOVT 2302 American National Government	
MATH 1332 Structures of College Mathematics	
MGMT 1301 Introduction to Management	
*PHED (any two one-hour activity courses)	
PSYC 2302 Applied Psychology	
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	t
or or 1021 business and 1 lolessional operation	
Elective3	ı
EIGCUYU	,
Major Requirements 30	r
CULI 1201 Food Preparation and Production	,
CULI 1202 Soups and Sauces	•
CULI 1203 Pantry and Short-Order Cooking	, 1
CULI 1205 Parity and Short-Order Cooking	
CULI 1207 Patisserie	1
CULI 1207 Falisserie	
CILI 1200 Consider Description	
CULI 1320 Sanitation Principles and Practices	
CULI 2210 A La Carte Cooking	
CULI 2211 International Cuisine	
CULI 2212 American Regional Cuisine	
CULI 2215 Food Sculpture and Design2	
CULI 2216 Charcuterie	
CULI 2217 Buffet Theory and Production	
CULI 2377 Cooperative Work Experience3	
Related Required Courses12	
CULI 1221 Tableservice and Mixology	
CULI 1321 Stewarding	
CULI 1322 Nutrition	
CULI 2223 Food Service Management	
CULI 2224 Menu Design and Layout	
OUL ZEET HIGHE DOSIGN AND LAYOUT	
Total Semester Hours68	

^{*}PHED 1100 should be the first course taken in physical education.

Culinary Arts Certificate Program

This program is designed for the individual who cannot commit to two years in a formalized degree program but wishes to obtain employable skills in the food service industry as quickly as possible. Individuals who complete this program and secure employment may continue their studies toward a degree on a part-time basis without having to repeat major or related courses in the degree sequence.

Course of Study for Certificate of Completion

Level I certificates are TASP-waived.

Leve	11.	- Food	Prep	arati	on (Cook

	<u> Level I - Food Preparation Cook</u>	
	•	Semester Hrs
_	General Education Requirements	6
	COSC 1301 Introduction to Computer Science	3
	SPCH 1315 Public Speaking or	
	SPCH 1321 Business and Professional Speech	3
	Major Requirements	12
_	CULI 1201 Food Preparation and Production	2
	CULI 1202 Soups and Sauces	2
8	CULI 1203 Pantry and Short Order Cooking	2
	CULI 1320 Sanitation Principles and Practices	3
_	CULI 1321 Stewarding	3
		40
	Total Semester Hours	18
_	Level I - Food Production Cook	
		Semester Hrs
	General Education Requirements	9
	COSC 1301 Introduction to Computer Science	
_	PSYC 2302 Applied Psychology	3
	SPCH 1315 Public Speaking or	_
	SPCH 1321 Business and Professional Speech	3
	Major Requirements	20
	CULI 1201 Food Preparation and Production	2
	CULI 1202 Soups and Sauces	
	CULI 1203 Pantry and Short Order Cooking	2
	CULI 1221 Tableservice and Mixology	2
	CULI 1320 Sanitation Principles and Practices	3
	CULI 1321 Stewarding	3
	CULI 2210 A La Carte CookingCULI 2211 International Cuisine	2
	CULI 2211 International Cuisine	2
	COLI 2212 American negional Guisine	······ 6
	Total Semester Hours	29
	Student Equipment Requirements for Major Courses CULI 1201	, 1202 and 1203
	Two chef's uniforms consisting of long-sleeved jackets, checkered p	ants and aprons.
	Basic chef's tool kit consisting of the following:	
-	A. French knife 8" or 10" blade	
	B. Paring knife 3 1/2" blade	
	C. Vegetable peeler	
100	D. Cook's fork	
-	E. Boning knife—5 1/2" rigid blade	
	F. Metal measuring spoons G. French whip	
	G. French whip	

CULI 1206, 1207 and 1208

Two chef's uniforms consisting of long-sleeved jackets, checkered pants and aprons. Basic Tool Kit consisting of the following:
A. French knife 8" or 10" blade

- B. Paring knife 3 1/2" blade
- Vegetable peeler C.
- D. French whip
- Two icing spatulas 8" or 10" E.
- One Wilton decorating kit
- G. One serrated meat slicer

CULI 2210, 2211 and 2212

Uniforms and tool kit identified in CA 1201, 1202 and 1203.

CULI 2215, 2216 and 2217

Uniforms and tool kit identified in CA 1201, 1202 and 1203 and:

- 1 set of 1/2" aspic cutters
- 1 Exacto knife
- 1 set of butter sculpture tools

Culinary Arts Courses

CULI 1201 Food Preparation and Production

(1-3) ______2 hours Introduces the basic principles, concepts and production systems associated with basic food preparation. The student will be able to read and interpret menus, perform basic calculations to obtain desired food quantities, and select the prescribed procedures, tools, equipment and food supplies to produce specific menu items. The student will also be able to apply the principles of food technology to the production systems and understand the interrelationship between food preparation and the importance of food quality, with emphasis on employing the correct sanitation procedures. Lab fee required. (SCANS 1,3,7,8) Prerequisite: None. Corequisite: CULI 1202 and CULI 1203 or permission of the instructor.

CULI 1202 Soups and Sauces

Introduces the basic concepts for the construction, production, holding for service and storage of stocks, soups and sauces. The student will be able to interpret recipes, calculate basic recipe conversions, select and acquire materials for the creation of specific food items. The student will also be able to use the basic technologies of stocks, soups and sauces to develop complex soups and shortsauces. Students will acquire and evaluate their proficiency in the holding for service, cooling, storage and reheating of specific food items. Lab fee required. (SCANS 1,3,4,6,7,8) Prerequisite: CULI 1201. Corequisite: CULI 1201 and CULI 1203 or permission of the instructor.

CULI 1203 Pantry and Short-Order Cooking

Introduces the basic principles of pantry and short-order service with emphasis on the construction and production of salads, salad dressings, breakfast and shortorder food items. The student will be able to interpret recipes, perform basic recipe conversions, select materials necessary to perform specific tasks and understand the basic production technologies associated with specific food items. The student will also participate as a team member and be able to understand how the various production systems are interrelated. Lab fee required. (SCANS 1,3,4,5,7,8) Prerequisite: CULI 1201 and CULI 1202. Corequisite: CULI 1201 and 1202 or permission of the instructor.

CULI 1206 Introduction to Baking

CULI 1207 Patisserie

CULI 1208 Classical Desserts

CULI 1221 Tableservice and Mixology

CULI 1320 Sanitation Principles and Practices

CULI 1321 Stewarding

CULI 1322 Nutrition

CULI 2210 A La Carte Cooking

CULI 2211 International Cuisine

CULI 2212 American Regional Cuisine

CULI 2215 Food Sculpture and Design

CULI 2216 Charcuterie

CULI 2217 Buffet Theory & Production

CULI 2223 Food Service Management

CULI 2224 Menu Design and Layout

CULI 2377 Cooperative Work Experience

Developmental Education

Staff: Dr. David J. Tarver, dean; Judy Merritt, counselor/learning center developer.

Odessa College offers a developmental studies program for those students who need further development in or who wish to review fundamentals of mathematics, reading and writing. All courses described below in greater detail are elements of the developmental education program.

These courses are designed to help students achieve fundamental skills that they may not have gained before entering Odessa College and to prepare students for college-level course work. The recommendation to enroll in one, some or all of the developmental courses is made on the basis of diagnostic testing, which can be administered prior to enrollment.

Courses listed below do not satisfy requirements for any degree at Odessa College. Students who intend to transfer to another community college, senior college or university should check with that institution to determine whether the hours earned in developmental education will transfer for degree credit.

Developmental Science Course

BIOL 0371 Developmental Science (32.0106.5139)

Courses and Services Available in Developmental Studies

English Courses and the Writing Lab

ENGL 0371, Basic English, and the four one-hour lab courses — ENGL 0171, ENGL 0172, ENGL 0173 and ENGL 0174 — are designed to help students become more successful in using grammar and writing skills. The Basic English course covers a wide variety of English fundamentals and is specifically designed to prepare students for ENGL 1301, Composition and Rhetoric. Students may enroll in self-paced or classroom instruction for institutional credit, but none of the English courses listed below satisfy requirements for any degree plan at Odessa College.

ENGL 0370 Basic English (32.0108.5335)

The lab courses, ENGL 0171 through 0174, provide practical help in selected areas of English. They focus specifically on principles of the simple sentence, focus and unity, organization and usage. Students are guided into these courses according to their performance on the TASP test and on placement tests administered in the testing center, located on the second floor of the Student Union Building.

ENGL 0171 Sentence Structure (32.0108.5335)

ENGL 0172 Focus and Unity (32.0108.5335)

ENGL 0173 Organization and Development (32.0108.5335)

ENGL 0174 Usage (32.0108.5335)

The tutoring center, located in the Learning Resources Center, Room 200A, and the writing lab, located in Wilkerson Hall, Room 206, offer supplemental, individualized assistance in grammar, spelling, composition and techniques of research to any student who needs improvement in writing ability or skill in literary analysis. Assistance is provided to both walk-in students and students referred by an instructor or by a counselor. Assistance is free of charge for Odessa College students.

Math Courses and the Tutoring Lab

MATH 0371, Basic Mathematics, addresses the four fundamental operations of mathematics and additional topics. The course is designed to prepare students for MATH 0372, Introductory Algebra, and should be taken as a preparatory course only. MATH 0372, Introductory Algebra, continues the review of the basic functions in mathematics and introduces elementary algebra concepts. MATH 0375, Intermediate Algebra, completes the review of elementary algebra concepts and prepares the student for entry into College Algebra. Four one-hour lab courses — MATH 0171, MATH 0172, MATH 0173 and MATH 0174 — provide review of mathematics fundamentals, graphing and equations, algebraic operations and quadratics, and geometry and reasoning. None of these courses satisfies the requirements for any degree plan at Odessa College, and they will not be accepted in transfer to other colleges and universities. Students may be guided into the courses on the basis of optional diagnostic pre-tests that are available in the testing center on the second floor of the Student Union Building.

MATH 0371 Basic Mathematics (32.0104.5137)

MATH 0372 Introductory Algebra (32.0104.5137)

MATH 0375 Intermediate Algebra (32.0104.5237)

The tutoring center, located in Room 200A of the Learning Resources Center, offers tutoring to Odessa College students and has extensive supplemental materials that parallel the developmental mathematics courses. Audio-tutorial and computer programs demonstrate the relationships between mathematics and everyday situations involving mathematics, in addition to presenting materials on the four basic mathematical operations. Materials and assistance also are available free to students wishing to review mathematical concepts related to vocational course work.

The four one-hour lab courses follow. Students may be guided into these courses according to their performance on the TASP test or on optional placement tests administered in the testing center, located on the second floor of the Student Union Building.

MATH 0171 Fundamental Math (32.0104.5137)

MATH 0172 Algebra --- Graphing and Equations (32.0104.5137)

MATH 0173 Algebra — Operations and Quadratics (32.0104.5137)

MATH 0174 Geometry and Problem Solving (32.0104.5137)

Reading Courses and the Reading Lab

An effective citizen must read well, and reading courses help to develop efficient tools to use in today's society. These courses implement the philosophy that the ultimate in reading ability is never reached and that good study skills are predominantly good reading skills. Time spent in the reading program is an investment in self. No matter what a person's reading ability, reading skills can be improved.

Courses listed below do not satisfy requirements for any degree at Odessa College. Students who intend to transfer to another community college, senior college or university should check with that institution to determine whether hours earned in reading will transfer for degree credit. Students who enroll for Basic English (0370) and have not taken and passed the reading section of the TASP must enroll in a reading class.

READ 0371 Basic Reading (32.0108.5235)

READ 0372 College Reading (32.0108.5235)

READ 0373 Advanced College Reading (32.0108.5235)

College Reading Techniques

The college reading techniques course taught on the third floor of the Learning Resources Center, Room 309, provides an alternative reading program with structured, individualized, self-paced instruction.

Registration is open to those who have completed the fifth grade and beyond, and these students may enroll for one- or three- semester hours of credit. Standardized tests are given to determine beginning reading performance levels and specific areas of need. Through student-teacher conferences, a self-paced plan of action is developed to set immediate and long-range goals. Pre-tests are scheduled by appointment with the instructor in the Learning Resources Center, Room 309.

Students should consult with the lab instructor in person during the first week of classes to arrange their class schedule:

READ 0171 Improving Reading Skills (32.0108.5235)

that result in increased success in learning in both the classroom and job environments, which ultimately can result in higher self-esteem. Through independent learning activities, the student learns to validate his understanding of reading materials, increase vocabulary with various written activities and gain in individual reading rates. Lab fee required. (SCANS 1,4,7,10) Prerequisite: None.

Diesel Technology

Faculty: James McCutcheon.

The diesel technology program has been redeveloped to fit industry-specific needs. This fast growing field offers excellent career opportunities for qualified technicians and specialists. Completion of this program will offer students the opportunity to apply for an entry level career as a technician and one of several service specialist options.

Course of Student for Associate in Applied Science Degree Diesel Techology

	Semester	11
		nrs
General Education Requirements	17	
COSC 1301 Introduction to Computer Systems		
ENGL 1312 Report Writing or ENGL 1301Composition and Rhetoric	3	
GOVT 2301 U.S. and Texas Government or		
GOVT 2302 American National Government	3	
MATH 1314 College Algebra or MATH 1372 Technical College Algeb		
* PHED (any two one-hour activity courses)	2	
SPCH 1315 Public Speaking or		
SPCH 1321 Business and Professional Speech	3	
Of Off 1021 Dusiness and Floressional Operation		
Major Requirements	AG	
DESL 1377 Diesel Practicum		
DESL 1501 Principles of Diesel Engines		
DESL 1502 Caterpillar Diesel Engines		
DESL 1503 Electrical Systems and Control Circuits		
DESL 1504 Fuel and Emissions Systems	5	
DESL 2377 Cooperative Work Experience	3	
DESL 2501 Transmissions, Power Trains and Accessories or		
DESL 2512 Powershifts, Drives and Transmissions	5	
DESL 2507 The Diesel Chassis or DESL 2511 Advanced Fluid Power	r5	
DESL 2510 Advanced Engine Technology		
DESL 2520 Diesel Electronics		
Related Requirements	4	
WELD 1401 General Welding	4	
TIMES I TO CONTROL TO THE STATE OF THE STATE		
Total Semester Hours	67	
Affi Asiliasia: IAMis		

^{*} PHED 1100 should be the first course taken in physical education. Certificates of technology available.

Diesel Mechanics Certificates of Technology <u>Level I certificate is TASP-waived.</u>

<u> Level I - Diesel Technician</u>	_
	Semester Hrs
COSC 1301 Introduction to Computer Systems	3
DESL 1377 Diesel Practicum	3
DESL 1501 Principles of Diesel Engines	5
DESL 1502 Caterpillar Diesel Engines	5
DESL 1503 Electrical Systems and Control Circuits	5
DESL 1504 Fuel Emissions Systems	
ENGL 1312 Report Writing or ENGL 1301 Composition and Rhetoric	2
ENGL 1312 Report Whiling of ENGL 1301 Composition and release	
WELD 1401 General Welding	4
Total Semester Hours	33
Level II - Option I	
Heavy Equipment Specialist	
The 33 hours specified in level I certificate plus the following coa	irsas.
The compare opening in level recruited place the following con	Semester Hrs
DESL 2377 Cooperative Work Experience	3
DESL 2510 Advanced Engine Technology	 E
DEST 2510 Advanced Eligine Technology	
DESL 2511 Advanced Fluid Power	
DESL 2512 Powershifts, Drives and Transmissions	
DESL 2520 Diesel Electronics	5
Total Semester Hours	56
I Oral Salitastal Lionia """"""""""""""""""""""""""""""""""""	
<u>Level II - Option II</u> <u>Diesel Truck Specialist</u> The 33 hours specified in level I certificate plus the following cou	
	Semester Hrs
DESL 2377 Cooperative Work Experience	3
DESL 2501 Transmissions, Power Trains and Accessories	
DESL 2507 The Diesel Chassis	5
DESL 2510 Advanced Engine Technology	5
DESL 2520 Diesel Electronics	
Total Semester Hours	56
Level III - Service Manager Certificate	
May only be awarded along with or following completion of associate or high	a
may only be awarded along with or following completion of associate of high	ar-level degree
Caparal Education Deguirements	Semester Hrs
General Education Requirements	
ACCT 1370 Introduction to College Accounting	3
MGMT 1301 Introduction to Management	3
MGMT 2304 Personnel and Human Relations	3
Total Semester Hours	9
Diesel Courses	
DESL 1377 Diesei Practicum	
(1-15)	3 hours
(1-15)	demic and

vocational course lectures and labs with business and industry work experience. Under supervision of college faculty and a workplace supervisor, the students will achieve agreed upon workplace goals and objectives that will enhance the student's competency attainment in the areas of personal, interpersonal and problem-solving skills. Weekly lectures will address key workplace competencies to enhance the employability of a technically competent graduate. (SCANS 5,7,9,10,11) Prerequisite: DESL 1504 or consent of department chair.

DESL 1501 Principles of Diesel Engines

DESL 1502 Caterpillar Diesel Engines

DESL 1503 Electrical Systems and Control Circuits

DESL 1504 Fuel and Emissions Systems

DESL 2377 Cooperative Work Experience

DESL 2501 Transmissions, Power Trains and Accessories

and repair of transmissions, differentials and accessories. Listening, speaking and responsibility skills are emphasized. Lab fee required. (SCANS 1,2,4,5,6,7,8,9,10,11) Prerequisite: None.

DESL 2507 The Diesel Chassis

DESL 2510 Advanced Engine Technology

DESL 2511 Advanced Fluid Power

DESL 2512 Powershifts, Drives and Transmissions

DESL 2520 Diesel Electronics

Drafting Technology

Faculty: James McPherson, chair.

Drafters make working plans and detailed drawings for engineering construction or manufacturing purposes. They usually work from sketches, specifications or field notes furnished by an engineer, architect or designer. The drafting program is designed to provide basic preparation for entry-level employment.

Course of Study for Associate in Applied Science Degree

•	•
	Semester Hrs
General Education Requirements	17
ENGL 1301 Composition and Rhetoric or	
ENGL 1312 Report WritingGOVT 2301 U.S. and Texas Government	3
GOVT 2301 U.S. and Texas Government	3
MATH 1314 College Algebra <u>or</u>	
MATH 1372 Technical College Algebra	3
MATH 1316 Plane Trigonometry* *PHED (any two one-hour activity courses)	3
*PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	3
•	
Major Requirements	35
DRAF 1401 Technical Drafting	4
DRAF 2377 Cooperative Work Experience	3
DRAF 2401 Architectural Drafting	4
DRAF 2402 Machine Drafting	4
DRAF 2403 Technical Illustration	4
DRAF 2404 Piping Drafting	4
DRAF 2406 Structural Drafting	4
DRAF 2408 Computer Aided Drafting	4
DRAF 2418 Advanced Computer Aided Drafting	4
Related Requirements	14
MACH 1401 Basic Machine Shop Fundamentals	4
OSHA 2395 Industrial Safety	3
PETR 1300 Petroleum Overview	3
WELD 1401 General Welding	4
•	
Total Semester Hours	66
*PHED 1100 should be the first course taken in physical education.	
Certificates of Technology	
Level I certificates are TASP-waived	
Architectural Detailer (Level I)	
General Education Core	_
ENGL 1301 Composition & Rhetoric or ENGL 1312 Report Writing	3
MATH 1314 College Algebra or MATH 1372 Technical College Algeb	ra 3
Technical Core	
DRAF 1401 Technical Drafting	4
DRAF 2377 Cooperative Work Experience	3
DRAF 2401 Architectural Drafting	4
DRAF 2406 Structural Drafting	
DRAF 2408 Computer Aided Drafting	4
. Di ira Etoo oonipalei radoo bialling	······

DRAF 2418 Advanced Computer Aided Drafting4 OSHA 2395 Industrial Safety3	
Total Semester Hours32	
Machine Drafting Detailer (Level I)	
General Education Core	
ENGL 1301 Composition & Rhetoric or ENGL 1312 Report Writing	
MATH 1314 College Algebra or MATH 1372 Technical College Algebra 3	
Technical Core	
DRAF 1401 Technical Drafting4	
DRAF 2377 Cooperative Work Experience3	
DRAF 2402 Machine Drafting4	
DRAF 2403 Technical Illustration	
DRAF 2408 Computer Aided Drafting4	
DRAF 2418 Advanced Computer Aided Drafting 4	
MACH 1401 Basic Machine Shop Fundamentals4	
·	
Total Semester Hours33	
Structural Drafting Detailer (Level I)	
General Education Core	
ENGL 1301 Composition & Rhetoric or ENGL 1312 Report Writing	
MATH 1314 College Algebra or MATH 1372 Technical College Algebra 3	
Technical Core	
DRAF 1401 Technical Drafting4	
DRAF 2377 Cooperative Work Experience	
DRAF 2406 Structural Drafting4	
DRAF 2408 Computer Aided Drafting	
DRAF 2408 Computer Aidea Dratting 4	
DRAF 2418 Advanced Computer Aided Drafting4	
OSHA 2395 Industrial Safety3	
WELD 1401 General Welding4	
Total Semester Hours32	
Pipe Drafting Detailer (Level I)	
Semester Hr	18
General Education Core	_
ENGL 1312 Report Writing3	
MATH 1314 College Algebra or MATH 1372 Technical College Algebra 3	
Technical Core	
DRAF 1401 Technical Drafting4	
DRAF 2377 Cooperative Work Experience	
DRAF 2404 Pipe Drafting4	
DRAF 2408 Computer Aided Drafting	
DRAF 2418 Advanced Computer Aided Drafting4	
OSHA 2395 Industrial Safety3	
Total Semester Hours28	
Advanced Skills Certificate of Technology	
Technical Illustrator (Level III)	
TANITION WASHING IN	
May only be awarded along with or following completion of	
Associate or higher-level degree.	
Technical Core Semester Hr	'8
DRAF 2411 Advanced Architectural Drafting4	

	DRAF 2412 Advanced Machine Drafting
1	Total Semester Hours12
	Drafting Technology Courses
	ORAF 1401 Technical Drafting (3-3)
	DRAF 2377 Cooperative Work Experience (1-20)
	DRAF 2401 Architectural Drafting (3-3)
	(3-3)
	DRAF 2403 Technical Illustration (3-3)
200	(3-3)

DRAF 2406 Structural Drafting Competencies include the design and development of details and specifications for industrial structures. Emphasizes structural steel, pipe, reinforced concrete, interpreting technical data, appropriate mathematical calculations, information evaluation and problem solving. Offered spring semester odd numbered years. Lab fee required. (SCANS 1,3,6,9) Prerequisite: DRAF 1401 or ENGR 1304. **DRAF 2408 Computer-Aided Drafting** An introductory course; Competencies cover basic commands and functions utilized to produce drawings using the computer terminal, menu tablet, printer and/or plotter. Emphasizes development of interpersonal skills and qualities needed to succeed in the workplace, learning and applying system functions to basic problems, interpreting instructions, organizing drawing files and problem solving. Lab fee required. (SCANS 1,3,5,8,9,10) Prerequisite: DRAF 1401 or ENGR 1304. **DRAF 2411 Advanced Architectural Drafting** A continuation of DRAF 2401. Competencies include commercial and industrial construction. Emphasis is placed on interpreting information, appropriate mathematical calculations, communicating ideas, interpreting information, creative thinking and communication procedures. Fall only. Lab fee required. (SCANS 3,6,9,11) Prerequisite: DRAF 2401. **DRAF 2412 Advanced Machine Drafting** (3-3)4 hour A continuation of DRAF 2402. Competencies include a thorough study of position geometric dimensioning and tolerancing. Emphasizes interpretation of information, creating documents, performing mathematical calculation, working as a team, evaluating information, using correct procedures, and problem solving. Lab fee required. (SCANS 2,3,5,6,8,9) Prerequisite: DRAF 2402. **DRAF 2413 Advanced Technical Illustration** (3-3)4 hour A continuation of DRAF 2403. Competencies include inking, shading, and airbrush rendering. Emphasizes the use of correct procedure, creative thinking and selfmanagement. Lab fee required. (SCANS 8,9,10) Prerequisite: DRAF 2403. **DRAF 2418 Advanced Computer-Aided Drafting** (3-3)4 hour A continuation of DRAF 2408. Competencies include skills applied to advanced CAD drafting assignments by using more complex capabilities of the equipment to produce customized menus, libraries, reports and graphic presentations. The use of advanced editing techniques, report generation, drawing interchange files and configuration changes are also discussed and practiced. Emphasizes interpreting written material, information processing by the computer, applying CAD technology

and problem solving. Lab fee required. (SCANS 2,6,8,9) Prerequisite: DRAF 2408.

Education

Advisor: Don Jacobs

Course of Study for Associate in Arts Degree

Education Majors

Eddodion Majore
Semester Hrs
General Education Requirements48-49
COSC 1301 Introduction to Computer Systems
ENGL 1301 Composition and Rhetoric
ENGL 1302 Composition and Literature
ENGL (Sophomore level)6 GOVT 2301 U.S. and Texas Government
GOVI 2301 U.S. and lexas Government
GOVT 2302 American National Government
HIST 1301 United States History to 1877
MATH 1314 College Algebra or
MATH 1332 Structures of College Mathematics or higher level math 3
SPCH 1315 Public Speaking or
SPCH 1321 Business and Professional Speech
*PHED (any two one-hour activity courses)2
PSYC 2308 Child Psychology3
**An additional college level math or laboratory science3-4
Any four-hour laboratory science4
Any three-hour fine arts course3
Elementary Education
Electives (Should be selected from social science, natural science, mathematics, foreign languages, fine arts, and humanities)14-15
Secondary Education
Electives (Should be selected from freshman and sophomore courses which will count toward a specialized teaching field. This teaching field must be in a discipline which is taught in the secondary schools. Before elective courses are selected, education students are strongly encouraged to consult with the catalog of senior institution to which they intend to transfer)
Total Semester Hours63
*PHED 1100 should be the first course taken in physical education. **These will meet the six to eight hours required in either math or science for an associate of arts degree.

Electrical/Electronics Technology

Faculty: Danny Bailey, chair.

The electrical/electronics technology curriculum is designed to prepare individuals for technical careers in the industrial electrical field. Students may follow a plan leading toward an associate in applied science degree or follow a plan leading toward a certificate. Individuals currently employed in the field can increase or update their technical knowledge and skills by enrolling in specialized electrical/electronics courses (note prerequisites). While the overall program is broad based, some specialization is possible in motors, controls, and programmable controllers in electrical technology and communication and computer repair in electronics technology.

Course of Study for Associate in Applied Science Degree Electrical Technology

	Semester H
General Education Requirements	20
COSC 1301 Introduction to Computer Systems	
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government	3
MATH 1314 College Algebra or	
MATH 1372 Technical College Algebra	3
*PHED (any two one-hour activity courses)	2
PSYC 2302 Applied Psychology	
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	3
Elective	3
Technical Core	16
MAIN 2404 Structural Repair	
ELEC 2410 National Electrical Code	4
HVAC 1401 Refrigeration Theory	4
MAIN 1402 Plumbing	4
Major Requirements	
ELEC 1401 D.C. Circuits	
ELEC 1404 Electronics I	
ELEC 2302 Electrical Power Technology	
ELEC 2377 Cooperative Work Experience	a
ELEC 2400 Electronics II	
ELEC 2404 Electrical Machinery and Controls	
ELEC 2411 Programmable Logic Controllers	
•	
Total Semester Hours	6 5

^{*}PHED 1100 should be the first course taken in physical education.

Credit for ELEC courses may be awarded by passing an advanced standing examination. Students with prior training or experience who wish to apply for advanced standing should contact the department chair.

Certificates in Electrical Technology

Level I certificates are TASP-waived.

<u>Level i Electrical Technician</u>		
Accessed The Access Access	Semester	Hrs
General Education Core	•	
PSYC 2302 Applied Psychology	3	
TMTH 1370 Technical College Mathematics or higher level math	3	
Technical Core		
ELEC 1401 DC Circuits	4	
ELEC 2404 Electrical Machinery and Controls	4	
ELEC 2410 National Electrical Code	4	
Total Hours	18	
Level li Advanced Electrical Technician		
	Semester	Hrs
General Education Core	•	
COSC 1301 Introduction to Computer Systems	3	
PSYC 2302 Applied PsychologyTMTH 1370 Technical College Mathematics or higher level math	ປ	
1 M 1 n 1370 1 echnical College Mathematics or higher level math	3	
Technical Core		
ELEC 1401 DC Circuits		
ELEC 1404 Electronics I		
ELEC 2205 Electronic Instruments		
ELEC 2302 Electrical Power Technology	3	
ELEC 2305 Electrical Business Operations	3	
ELEC 2377 Cooperative Work Experience	3	
(May be substituted with department chair's approval)		
ELEC 2400 Electronics II		
ELEC 2404 Electrical Machinery and Controls		
ELEC 2410 National Electrical Code		
ELEC 2411 Programmable Logic Controllers	4	
Total Hours	44	
Course of Study for Associate in Applied Science	Degree	•
Electronics Technology	_	
	Semester	Hrs
General Education Requirements	20	
COSC 1301 Introduction to Computer Systems ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	ວ	
GOVT 2301 U.S. and Texas Government	 ຈ	
MATH 1314 College Algebra or		
MATH 1372 Technical College Algebra	3	
PSYC 2302 Applied Psychology		
*PHED (any two one-hour activity courses)	2	
SPCH 1315 Public Speaking or		
SPCH 1321 Business and Professional Speech	3	
l e e e e e e e e e e e e e e e e e e e		
Elective	3	
Major Requirements	39	
ELEC 1401 D.C. Circuits		
ELEC 1402 Computer Circuits I	4	

ELEC 1403 A.C. Circuits 4 ELEC 1404 Electronics I 4 ELEC 1408 Computer Circuits II 4 ELEC 2377 Cooperative Work Experience 3 ELEC 2400 Electronics II 4 ELEC 2401 Two Way Radio 4 ELEC 2408 Computer Circuits III 4 ELEC 2414 Circuit Analysis 4
Related Requirements
Total Semester Hours66
*PHED 1100 should be the first course taken in physical education.
Credit for ELEC courses may be awarded by passing an advanced standing examination. Students with prior training or experience who wish to apply for advanced standing should contact the department chair.
Certificates in Electronics Technology
Level I certificates are TASP-waived.
Level I Certificate for Electronics Technician Semester Hrs
General Education Core TMTH 1370 Technical College Math or higher level math
Technical Core 4 ELEC 1401 D.C. Circuits 4 ELEC 1402 Computer Circuits I 4 ELEC 1403 A.C. Circuits 4 ELEC 1404 Electronics I 4 ELEC 1408 Computer Circuits II 4
Total Semester Hours23
Level II Certificate for Advanced Electronics Technician
General Education Core COSC 1301 Introduction to Computer Systems
Technical Core ELEC 1401 DC Circuits 4 ELEC 1402 Computer Circuits I 4 ELEC 1403 A.C. Circuits 4 ELEC 1404 Electronics I 4 ELEC 1408 Computer Circuits II 4 ELEC 2400 Electronics II 4 ELEC 2401 Two Way Radio 4 ELEC 2408 Computer Circuits III 4 ELEC 2414 Circuit Analysis 4
Total Semester Hours45

Electronics Technology Courses

ELEC 1401 D. C. Circuits

ELEC 1402 Computer Circuits I

ELEC 1403 A.C. Circuits

ELEC 1404 Electronics I

ELEC 1408 Computer Circuits II

ELEC 2205 Electronic Instruments

ELEC 2302 Electrical Power Technology

ELEC 2305 Electrical/Electronics Business Operations

ELEC 2377 Cooperative Work Experience

ELEC 2400 Electronics II

ELEC 2401 Two-way Radio

ELEC 2404 Electrical Machinery and Controls

ELEC 2408 Computer Circuits III

ELEC 2410 National Electrical Code

ELEC 2411 Programmable Logic Controllers

ELEC 2414 Circuit Analysis

Emergency Medical Technology

Faculty: LeeDon Martin, chair; Michael Nunnelee, Dr. Weldon Butler, medical director.

Odessa College offers a cooperative program with a local hospital and an ambulance service designed to provide understanding, proficiency and skill in emergency medical care and transportation of the sick and injured. The curriculum is primarily designed for ambulance personnel, safety engineers, rescue squad workers, policemen, firemen, employees of public or private health agencies, and civil defense workers. Completion of the courses will qualify the individual to write the examination for registry with the Texas Department of Health, Emergency Medical Services Division.

Objectives are to include all techniques of emergency medical care presently considered within the responsibilities of the emergency medical technician, as well as the operational aspects of the job in which he is expected to perform. Specific contents of the courses are based on guidelines from the Texas Department of Health, Division of Emergency Medical Services, and the U.S. Department of Transportation. The training includes both theoretical and practical applications of emergency medical care.

Enrollment in EMED 2801 and EMED 2802 is limited, and students are urged to contact the department chair early to ensure acceptance to the program. Applicants or those seeking additional information should contact the emergency medical technology director or counseling center.

Enrollment in EMED 1301, 2401, 2801 and 2802 requires student liability insurance. In addition to the student liability, the student will be responsible for other necessary equipment as well. This equipment is mandatory for class and the student should be aware of the extra costs involved. The student should contact the department chair or one of the faculty members before enrolling in the class to get a list of the necessary equipment.

Course of Study for Associate in Applied Science Degree Emergency Medical Technology

First Year

First Semester	
Semester Semester	
EMED 1301 Clinical Procedures	3
EMED 1501 Basic Emergency Care	5
ENGL 1301 Composition and Rhetoric	3
MATH 1332 Structures of College Mathematics or higher-level math	3
*PHED 1100 Lifestyle Assessment and Modification	1
Second Semester	
BIOL 1170 Medical Terminology	1
BIOL 2404 Human Anatomy and Physiology	···· 4
ENGL 1302 Composition and Literature	q
GOVT 2301 U.S. and Texas Government or	, J
GOVT 2302 American National Government	•
*PUED (any one hour activity source)	3
*PHED (any one-hour activity course)	1
SPCH 1321 Business and Professional Speech	3
First Summer Session	
EMED 2201 Electrocardiography and Prehospital Pharmacology	2
Second Year	
Third Semester	
COSC 1301 Introduction to Computer Science	3
EMED 2801 Paramedic Development I	g
+Guided Elective	_

Fourth Semester
EMED 2802 Paramedic Development II
Elective3
Total Semester Hours63
+Guided electives are chosen by students from the following courses:
EMED 2601 Intermediate Emergency Care OSHA 2396 Hazardous Waste and Emergency Response
PHED 2376 Prevention and Care of Athletic Injuries
SPAN 1300 Conversational Spanish *PHED 1100 should be the first course taken in physical education.
Course of Study for Certificate of Completion
Level I certificates are TASP-waived.
Level I Basic Emergency Medical Technician
First Semester EMED 1301 Clinical Procedures
EMED 1501 Basic Emergency Care5
*PHED (any one-hour activity course)1
Second Semester COSC 1301 Introduction to Computer Science
SPCH 1321 Business and Professional Speech
Total Semester Hours15
Level I Intermediate Emergency Medical Technician
First Semester
EMED 1301 Clinical Procedures
SPCH 1321 Business and Professional Speech
Second Semester COSC 1301 Introduction to Computer Science
, EMED 2401 Intermediate Clinical Procedures
EMED 2601 Intermediate Emergency Care6
*PHED (any one-hour activity course)1
Total Semester Hours25
Level I Advanced Emergency Medical Technician
First Semester COSC 1301 Introduction to Computer Science
EMED 1301 Clinical Procedures
EMED 1501 Basic Emergency Care
SPCH 1321 Business and Professional Speech
Summer Semester
EMED 2201 Electrocardiography and Prehospital Pharmacology
Fail Semester
EMED 2801 Paramedic Development I
Total Semester Hours

Emergency Medical Technology Courses EMED 1301 Clinical Procedures Introduction to emergency patient care. Designed to complement EMED 1501 and required of students wishing to write the exam, for emergency medical technician. Includes students writing and interpreting patient records and relevant reports. Students learn to prioritize care, participate as part of the ambulance and hospital team, and perform skills to their level of knowledge and ability. Students will be exposed to the pre-hospital setting and hospital setting, and learn how to apply and use their knowledge and skills. The student will be responsible for achieving their EMED clinical goals and learn to communicate with instructors, hospital, and ambulance staff and patients. (SCANS 1,2,4,5,8,9,10,11) Corequisite: 18 years of age, EMED 1501. **EMED 1501 Basic Emergency Care** (4-4) 5 hours Introduction to roles and responsibilities of the emergency medical technician by presenting terminology, concepts and techniques of pre-hospital patient care. Students learn to prioritize emergency care, medical-legal aspects, functional anatomy, cardiac and pulmonary problems, wounds and fractures, medical and environmental emergencies, extrication, rescue and ambulance operations. Students will function as part of the pre-hospital team and learn how to control an emergency and apply their new knowledge and skills and achieve the goal of communicating with medical personnel and patients. Prepares student to write the basic EMED state certification. Lab fee required. (SCANS 1,2,4,5,7,8,9,10) State certification requires EMED 1301 as a corequisite: State certification fee required. Prerequisite: Must be 18 years of age. EMED 2201 Electrocardiography and Prehospital Pharmacology Presents terminology, concepts and techniques needed to begin a study of paramedic level training. Covers cardiac fundamentals, cardiac monitoring and basic concepts of the electrical system of the heart. Presents emergency cardiac pharmacology concepts to students. Requires ability to perform basic drug calculations. (SCANS 1,3,6,9) *This course will be a prerequisite to EMED 2801 starting in the fall 1995 semester. **EMED 2400 Advanced Paramedic Review** Presents students with terminology, concepts, new technology of emergency medicine and team approach concepts. Allows students to learn new techniques and skills. (SCANS 1,2,5,8,9) Prerequisite: Current EMT-paramedic certification. **EMED 2401 Intermediate Clinical Procedures** (0-10)4 hours Designed to complement EMED 2604. Presents clinical opportunities for the student to meet the competencies required on an EMT-I. Students work in various hospital departments and on an MICU ambulance, where they provide patient care. Students must be able to communicate with multiple agencies, have leadership

qualities, be able to perform treatments. Students must be professional and have high medical ethic standards. (SCANS 1,2,5,8,9,10,11) Corequisite: EMED 2601.

EMED 2601 Intermediate Emergency Care

advanced airway procedures, IV therapy, advanced patient assessment and MAST pants therapy. Students must understand the anatomy and physiology in greater depth, and learn to assess patients to a higher degree who may require the advanced emergency care. Critical workplace competencies include leadership, decision making ability, team work with various other agencies. Personal qualities must include responsibility, sociability, self-motivation, self-management and good medical ethics to ensure safe and efficient patient care. Lab fee required. (SCANS 1,2,3,4,5,7,8,9,11) Prerequisites: Current Texas EMT certification and be 18 years of age. Corequisite: EMED 2401.

EMED 2801 Paramedic Development I

EMED 2802 Paramedic Development II

Engineering

Faculty: George Brewer, chair.

The curriculum in engineering has been designed for those students who wish to prepare for professional engineering degrees. Students should be aware of specific requirements of the college or university to which they may ultimately transfer. The program below is a suggested one and may be modified to conform to requirements of the students' chosen transfer institution.

Course of Study for Pre-Engineering

Seneral Education Requirements	Semester H	rı
ENGL 1301 Composition and Rhetoric		
GOVT 2301 U.S. and Texas Government		
GOVT 2302 American National Government	3	
HIST 1301 U.S. History to 1877		
HIST 1302 U.S. History from 1877	3	
MATH 1348 Analytic Geometry	3	
MATH 2313 Calculus I		
*PHED (any two one-hour activity courses)PHYS 2425 Engineering Physics I		
PHYS 2426 Engineering Physics II	4	
SPCH 1321 Business and Professional Speech	3	

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Major Requirements 18 ENGR 1304 Engineering Drawing 3 ENGR 2301 Mechanics I 3 ENGR 2302 Mechanics II 3 MATH 2314 Calculus II 3 MATH 2315 Calculus III 3 MATH 2320 Differential Equations 3
Related Requirements
Total Semester Hours64
*PHED 1100 should be the first course taken in physical education. Chemical engineering majors should take Chemistry 2323, 2123, 2125 and 2325. It is recommended that all engineering majors take MATH 2318 (Linear Algebra) if time permits.
Students pursuing engineering as a career who desire an associate degree are advised to follow the curriculum for an associate in science degree.
Engineering Courses
ENGR 1304 Engineering Drawing (48.0101.5129) (2-4)
construction, general drafting principles, multiview projection, revolutions and sections. Includes isometric and cabinet projection, threads, bolts, rivets, helices, dimensioning, principles of working drawings, oblique drawing and fundamentals of computer graphics. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing and planning actions necessary to solve problems. Students will further develop and/or discover mathematical relationships and acquire skills in gathering, organizing and evaluating information. (SCANS 3,6,9) Prerequisite: None.
ENGR 1305 Descriptive Geometry (48.0101.5129)
(2-4)
ENGR 2301 Mechanics I (14.1101.5229)
(3-0)

ENGR 2302 Mechanics II (14.1101.5329)

English and Foreign Languages

Faculty: Ned Pilcher, chair; I-Fan Chen, Dr. Judith Cornes, Wayne Johnson, Mark Jordan, Ulrike Kalt, Kathryn Keen, Dr. Daryl Lane, Ivan Reyez, Donna Smith, Dr. Michael White, Lynn Whitson.

English

Language makes us human; not only raising us above a mere animal-like existence but also allowing us to create societies and culture by shaping and controlling our thought. Language is fundamental not only to our survival and progress but also to the form of our literary creations; it reflects the heritage and dignity of the human condition. The English Department, therefore, is committed to providing comprehensive instruction in composition and literature and creating the finest educational opportunities possible for students who have the desire and ability to learn.

Specifically, it provides the first two years of English and pre-professional courses for transfer students, occupational/technical writing courses for students in specialized vocational fields, developmental and general education to prepare students for the TASP and higher level writing and critical thinking skills, courses to meet various community needs, and opportunities for personal enrichment. In sum, the English Department offers excellence in its courses, services and practices. It affirms equal access for all individuals within the diverse student population and approaches all endeavors with the highest standards of ethics and professionalism.

Tutoring Labs

Tutoring is available free of charge to OC students. A tutoring lab is located in the Learning Resources Center (LRC), Room 200A (enter at the west building entrance only). This lab offers open access to both the PLATO computer lab on the third floor of the LRC and to the IBM-compatible computers in LRC 301. Additional writing labs, equipped with computers, are located in Wilkerson Hall 206 and Wilkerson Hall 213; log-in for both of these labs is in Wilkerson Hall 206.

All labs provide supplemental, individual instruction in grammar, spelling, composition and techniques of research to any student who needs improvement in writing ability or skill in literary analysis. Assistance is provided to both walk-in students and students referred by any instructor.

Course of Study for Associate in Arts Degree English Major

General Education Requirements	Semester ut
COSC 1301 Introduction to Computer Systems	
Foreign Language (FREN, GERM or SPAN 1411 and 1412)	
Foreign Language (sophomore Level)	6
GOVT 2301 U.S. and Texas Government	
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877	
HIST 1302 U.S. History from 1877	
MATH (college level)	6
*PHED (any two one-hour activity courses)	2
Science (two sequential laboratory courses)	8
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	3
Major Requirements	12
ENGL 1301 Composition and Rhetoric	

	ENGL 1302 Composition and Literature
	Approved Electives (see department chair for options)3
	Total Semester Hours63
	*PHED 1100 should be the first course taken in physical education. Students who have some knowledge of a foreign language are advised to consider the advanced standing examination program for credit by examination.
•	** Students should check math requirement of designated senior institution.
	English Courses
	ENGL 0171 Sentence Structure (32.0108.5335) (0-1)
	A compensatory self-paced lab course designed to improve basic thinking and writing skills. Emphasizes techniques for creating concise and effective sentence structures. Prepares student for the TASP examination and for ENGL 0370 and ENGL 1301. Credit probably not transferable. This course does not satisfy requirements for any degree plan at Odessa College. Lab fee required. (SCANS 2,9) Prerequisite: Consent of the instructor.
-	
I	ENGL 0172 Focus and Unity (32.0108.5335) (0-1)
	and for ENGL 0370 and ENGL 1301. Credit probably not transferable. This course does not satisfy requirements for any degree plan at Odessa College. Lab fee required. (SCANS 2,9) Prerequisite: Consent of the instructor.
1	ENGL 0173 Organization and Development (32.0108.5335)
	(0-1)
I	ENGL 0174 Usage (32.0108.5335)
1	(0-1)
-	Odessa College. Lab fee required. (SCANS 2,9) Prerequisite: Consent of the instructor.
ä	ENGL 0370 Basic English (32.0108.5335) (3-0)
7	A compensatory course designed to improve basic thinking and writing skills.

Emphasizes essay development and use of conventional English. Requires essays composed in response to various prompts. Prepares student for ENGL 1301. Credit probably not transferable. This course does not satisfy requirements for any degree plan at Odessa College. The student must attain a "C" or better or pass the English portion of the TASP before enrolling in ENGL 1301. Lab fee required for ENGL 0370 WP (Word Processing). (SCANS 2,9) Prerequisite: None. Corequisite: Students who have not taken and passed the reading section of TASP must enroll in a reading class.

ENGL 1301 Composition and Rhetoric (23.0401.5135)

ENGL 1302 Composition and Literature (23.0401.5135)

ENGL 1312 Report Writing (23.1101.5135)

ENGL 2307 Creative Writing (23.0501.5135)

ENGL 2311 Technical and Report Writing (23.1101.5135)

ENGL 2322 Survey of British Literature I (23.0801.5135)

ENGL 2323 Survey of British Literature II (23.0801.5135) (3-0) 3 hours Consists of reading and analyzing significant works of British literature from the Romantic period to the present day. Requires research paper or several short analytical papers. Required of all English majors. (SCANS 1,2.9) Prerequisite: ENGL 1302. ENGL 2327 Survey of American Literature I (23.0701.5135) Consists of reading and analyzing significant works of American literature from the Colonial period through the Romantic period. Requires research paper or several short analytical papers. (SCANS 1,2,9) Prerequisite: ENGL 1302. ENGL 2328 Survey of American Literature II 23.0701.5135) (3-0) 3 hours Consists of reading and analyzing significant works of American literature from the Realistic period to the present day. Requires research paper or several short analytical papers. (SCANS 1.2.9) Prerequisite: ENGL 1302. ENGL 2332 Survey of World Literature I (23.0301.5235) Consists of reading and analyzing significant works of literature of the western world from the Classical period through the Renaissance. Requires research paper or several short analytical papers. (SCANS 1,2,9) Prerequisite: ENGL 1302. **ENGL 2333 Survey of World Literature II** (23.0301.5235) (3-0) 3 hours Consists of reading and analyzing significant works of literature of the western world from the Neoclassical period through the present day. Requires research paper or several short analytical papers. (SCANS 1,2,9) Prerequisite: ENGL 1302.

Options

Students who enroll in ENGL 0370-Word Processing or ENGL 1301-Word Processing and who lack keyboarding skills should also enroll in OFST1100 Basic Keyboarding Skills, a onehour, eight-week course that develops touch-method skills on the alpha-numeric keyboard.

Students have an alternative to the regular ENGL 1302 course listed above. The alternative is ENGL 1302-Science Fiction, which is based on science fiction and fantasy novels, stories and movies.

Students who are pursuing a certificate of technology or an associate in applied science degree in certain technical programs enroll in ENGL 1312-Report Writing and/or ENGL 2311-Technical and Report Writing instead of ENGL 1301-Composition and Rhetoric to meet the general education requirements in English for those technical programs.

On the sophomore level, the department offers an alternate method for completing ENGL 2327-Survey of American Literature I and ENGL 2328-Survey of American Literature II. In addition to the regularly scheduled three-hour per week sections of each class, a special six-hour time block is set aside each semester so that students can complete both courses in a single semester. During the first half of the semester, students complete ENGL 2327. At this point, they may or may not choose to continue with ENGL 2328, which will be completed in the second half of the semester.

Foreign Languages

Most four-year colleges and universities require one or two years of a foreign language for a bachelor's degree in arts and sciences. The foreign language program at Odessa College can satisfy the needs of most students whose prospective major requires a foreign language. Students should consult carefully the catalog of the senior college or university they plan to attend.

Many students who major in foreign languages become language teachers. Others use their foreign language capabilities in law, business, sales, foreign service, travel for professional reasons or for pleasure, politics, social work, elementary education and sociability. For still other students, their language skill becomes a springboard to more

alert citizenship through increased understanding of and interest in the world at large. In the classroom, concentration is on the immediate and practical. The courses consist of vocabulary and drills most needed for communication, with ample opportunity for students to practice speaking the language. With the aid of well-equipped labs and teachers well qualified to teach the spoken language, students are expected to be able to speak, read and write the language by the time they have completed their second year of study. From the first day, class is carried on primarily in the language being studied.

Course of Study for Associate in Arts Degree Foreign Language Major

r oreign Language major	Compoten Use
Ormanal Education Descriptoments	Semester Hrs
General Education Requirements	43
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	ປ
ENGL (sophomore level)	b
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877	3
MATH (college level)	3
*PHED (any two one-hour activity courses)	2
Science (two sequential laboratory courses)	8
SPCH 1315 Public Speaking or	•
SPCH 1321 Business and Professional Speech	3
Major Domissonanto	00
Major Requirements Foreign Language 1411 and 1412	ZZ
Foreign Language 1411 and 1412 (second language)	o
Foreign Language (sophomore level)	0
Poreign Language (Sophomore level)	o
Approved Elective (see department chair for options)	3
Total Semester Hours	68
*PHED 1100 should be the first course taken in physical education.	
Students who have some knowledge of a foreign language are advised to advanced standing examination program for credit by examination.	consider the
French	
FREN 1411 First Year French I (16.0901.5131)	
	4 hours
(3-2)	nerience in
French. Emphasizes simple conversation: pronunciation, fluency and	vocabulary
Also presents basic grammar and composition. May require up to two	hours per
week of individual practice in the language lab. Individual help availal	ole as needed.
Lab fee required. (SCANS 2,9) Prerequisite: None.	
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FREN 1412 First Year French II (16.0901.5131)	
(3-2)	4 hours
A continuation of FREN 1411. Has same purposes and uses same te	chniques.
Lab fee required. (SCANS 2,9) Prerequisite: FREN 1411 or its equiva	ilent.
FREN 2311 Second Year French I (16.0901.5231)	
1.3-1.11	3 hours
A continuation of FREN 1411 and FREN 1412. Conducted in French.	Emphasizes
conversation based on reading assignments. Includes grammar and a Individual help available. (SCANS 2,9) Prerequisite: FREN 1412 or its	composition.
montiqual fielp available. (SCANS 2,9) Frerequisite: FREN 1412 OF IS	s e quivalent.

FREN 2312 Second Year French II (16.0901.5231) A continuation of FREN 2311. Has same purposes and uses same techniques. (SCANS 2.9) Prerequisite: FREN 2311 or its equivalent. German **GERM 1411 First Year German I (16.0501.5131)** (3-2)4 hours A basic course conducted in German for students without previous experience in the German language. Emphasizes simple conversation: pronunciation, fluency and vocabulary. Presents basic grammar and composition. May require up to two hours per week of individual practice in the language lab. Individual help available. Lab fee required. (SCANS 2,9) Prerequisite: None. **GERM 1412 First Year German II** (16.0501.5131) fee required. (SCANS 2,9) Prerequisite: GERM 1411 or its equivalent. **GERM 2311 Second Year German I** (16.0501.5231) (3-0) 3 hours A sequential continuation of GERM 1411 and 1412. Conducted in German. Emphasizes conversation based on reading assignments. Includes grammar and composition. Many course elements self-paced. Individual help available. (SCANS 2.9) Prerequisite: GERM 1412 or its equivalent. **GERM 2312 Second Year German II** (16.0501.5231) (3-0) 3 hours A continuation of GERM 2311. Has same purposes and uses same techniques. (SCANS 2,9) Prerequisite: GERM 2311 or its equivalent. **LATI 1411 First Year Latin I** (16.1203.5131) An introductory study of Latin for those students with little or no previous knowledge of the language. Includes grammar, syntax and vocabulary with the aim of achieving a reading knowledge of the language. Requires selected readings from Roman authors. Lab fee required. (SCANS 2,9) Prerequisite: None. **LATI 1412 First Year Latin II** (16.1203.5131) A continuation of LATI 1411. Has same purposes and techniques, but goes further with vocabulary building and more advanced readings. Lab fee required. (SCANS 2,9) Prerequisite: LATI 1411 or its equivalent and consent of the instructor. Spanish SPAN 1300 Conversational Spanish I (16.0905.5431) Conducted in basic, everyday conversation in simple social contexts. Introduces sound sentence structure but emphasizes basic vocabulary, idiomatic expressions and daily speech. (SCANS 2,9) Prerequisite: None. SPAN 1310 Conversational Spanish II (16.0905.5431) (3-0) 3 hours A continuation of SPAN 1300. Increases conversational ability and structural knowledge of Spanish. (SCANS 2,9) Prerequisite: SPAN 1300, its equivalent or consent of the instructor.

SPAN 1305 Intensive Spanish Practicum (16.0905.5131)
(8-16)[2 weeks]
SPAN 1411 First Year Spanish I (16.0905.5131)
(3-2)
SPAN 1412 First Year Spanish II (16.0905.5131)
(3-2)
SPAN 2311 Second Year Spanish I (16.0905.5231)
(3-0)
SPAN 2312 Second Year Spanish II (16.0905.5231)
(3-0)
SPAN 2313 Spanish for Native Speakers of Spanish I (16.0905.5431)
(3-0)
SPAN 2315 Spanish for Native Speakers of Spanish II (16.0905.5431)
(3-0)
SPAN 2321 Spanish Literature I (16.0905.5331)
(3-0)
SPAN 2322 Spanish Literature II (16.0905.5331)
(3-0)

Environmental (see Occupational Safety and Health Technology)

Fire Technology

Faculty: LeeDon Martin, chair; Mike Nunnelee.

The fire technology program assists in the development of meaningful educational experiences for pre-service and in-service fire fighters. The program emphasizes the

principles of fire protection, fire prevention and fire suppression.

Courses stress practical application in understanding building designs, classification of fires, exposure protection, toxic fumes, arson investigation, hazardous materials, fire fighting techniques and standards. The course surveys fire administration with special interest in recruiting, organization, budget, legal aspects, employee effectiveness, evaluation and related problems. The program is planned to develop specific abilities and knowledge for entry-level employment and to provide the necessary educational background for advancing into a highly responsible position in the profession.

All courses are structured to coincide with the requirements set forth by the State Commission on Fire Protection and the State Firemen's and Fire Marshals' Association.

Course of Study for Associate in Applied Science Degree Fire Technology First Year

First Semester	Semester Hrs
FIRE 1204 Fire Hydraulics and Equipment	2
FIRE 1401 Fire Safety	
FIRE 1402 Fire Protection	4
FIRE 1503 Fire Tactics and Strategies	5
Second Semester	
EMED 1301 Clinical Procedures	3
EMED 1501 Basic Emergency Care	
FIRE 1107 Fire Skills	1
FIRE 1306 Fire Prevention	3
FIRE 1505 Hazardous Materials	
Second Year	
Third Semester	
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report W	riting 3
FIRE 2315 Advanced Fire Tactics and Strategies	
GOVT 2301 U.S. and Texas Government or	
GOVT 2302 American National Government	3
MATH 1332 Structures of College Mathematics I or	
MATH 1372 Technical College Algebra or higher-level math.	3
OSHA 2396 Hazardous Waste and Emergency Response	
*PHED (any one-hour activity course)	1
THE (any one hour deavity desired) imminimum	
Fourth Semester	
COSC 1301 Introduction to Computer Systems	3
Elective	
FIRE 2307 Fire Safety Education	
FIRE 2377 Cooperative Work Experience	

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PHED (any one-hour activity course)1
SPCH 1315 Public Speaking or SPCH 1321 Business and Professional Speech 3
Total Semester Hours64
*PHED 1100 should be the first course taken in physical education.
A certificate of technology may be earned by those who do not wish to pursue an associate degree by completing the course of study listed below.
Certificates of Technology
Level I certificates are TASP-waived.
Level 1 - Fire Protection
First SemesterSemester H
FIRE 1204 Fire Hydraulics and Equipment2
FIRE 1401 Fire Safety4
FIRE 1402 Fire Protection4
FIRE 1503 Fire Tactics and Strategies5
Consul Compater
Second Semester
EMED 1301 Clinical Procedures3
EMED 1501 Basic Emergency Care5
FIRE 1107 Fire Skills1
FIRE 1306 Fire Prevention3
FIRE 1505 Hazardous Materials5
Total Semester Hours32
Level III - Advanced Certificate
May only be awarded along with or following completion
of Associate or higher-level degree.
First SemesterSemester Hr
FIRE 2301 Fire and Arson Investigation3
FIRE 2302 Building Codes and Construction3
FIRE 2303 Fire Administration
FINE 2005 File Administration
Total Hours9
Fire Technology Courses
FIRE 1107 Fire Skills
(1-1)
Students will understand the recognition of fire hazards and the objectives and view
of inspections, fundamental principles, methods, techniques, and procedures of fire
prevention administration. Will project the estimated expenditures and/or budget
needs of fire prevention. Includes interpretation of fire prevention organizations,
their public image and cooperation with the public. Considers legal aspects and
insurance problems. Emphasizes development and implementation of a systematic
and deliberate inspection program and the relative relationship between building
inspection agencies and fire prevention organizations. Surveys local, state and
national codes pertaining to fire prevention and related technology. Offers
engineering as a solution to fire hazards. (SCANS 3,7,8,9,10) Prerequisite: None.

FIRE 1204 Fire Hydraulics and Equipment

FIRE 1306 Fire Prevention

FIRE 1401 Fire Safety

FIRE 1402 Fire Protection

FIRE 1503 Fire Tactics and Strategy

FIRE 1505 Hazardous Materials

gases and solids. Emphasizes emergency situations and the most favorable methods of extinguishing, controlling and handling such substances. (SCANS 6,8,9) Prerequisite: None.

FIRE 2301 Fire and Arson Investigation

FIRE 2302 Building Codes and Construction

FIRE 2303 Fire Administration

FIRE 2307 Fire Safety Education

FIRE 2315 Advanced Fire Tactics and Strategies

FIRE 2377 Cooperative Work Experience

faculty and a workplace supervisor, the student will achieve agreed upon workplace goals and objectives that will enhance the student's competency attainment in the areas of personal, interpersonal and problem-solving skills. Weekly lectures will address key workplace competencies to enhance the employability of a technically competent graduate. (SCANS 5,7,9,10,11) Prerequisite: Sophomore standing and consent of the department chair.

French (see English and Foreign Languages)

Geography (see Geology, Anthropology and Geography)

Geology, Anthropology and Geography

Faculty: G. Brent McAfee, chair.

Geology

Geology is a study of the Earth, its history, materials, changing life, and the processes that have resulted in its present form. For students who do not wish more than a year of geology, the principal value will be primarily on an increased interest in and understanding of their environment. However, for those majoring in geology, petroleum or civil engineering, and ecological or environmental studies, the first year of geology courses provides necessary background for further study. GEOL 1403 and GEOL 1404 will serve as a required physical and/or natural science for non-science majors at most universities.

Course of Study for Associate in Science Degree Geology

••	Semester Hr
General Education Requirement	•
CHEM 1311 General Inorganic Chemistry I and	
CHEM 1111 Fundamentals of Chemistry Laboratory I	4
CHEM 1312 General Inorganic Chemistry II and	
CHEM 1112 Fundamentals of Chemistry Laboratory II	
COSC 1415 Introduction to Computer Science	4
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL (Sophomore level)GOVT 2301 U.S. and Texas Government	3
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877	3
MATH 1314 College Algebra or higher level math	3
MATH 1316 Plane Trigonometry or higher level math	
MATH 1348 Analytic Geometry or higher level math	3
MATH 2313 Calculus I or higher level math	3
*PHED (any two one-hour activity courses)	2
PHYS 1401 College Physics I or PHYS 2425 Engineering Phy	sics I 4
PHYS 1402 College Physics II or PHYS 2426 Engineering Phy	/sics II 4
SPCH 1315 Public Speaking	
Major Requirements	12
BIOL 2470 Marine Ecology	4
GEOL 1403 Physical Geology	4

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GEOL 1404 Historical Geology4 Total Semester Hours70
*PHED 1100 should be the first course taken in physical education.
GEOL 1403 Physical Geology (40.0601.5139) (3-3)
This course is a study of the physical aspects of the Earth's crust. Students will study the origin, occurrence, and classification of minerals, rocks, structures and landforms. Laboratory activities involve the students in organizing and processing data related to the classification of minerals and rocks and principles underlying the relationships between topographic maps and geological processes. Lab fee required. (SCANS 6,9) Prerequisite: None.
GEOL 1404 Historical Geology (40.0601.5139)
(3-3)
Anthropology
Anthropology is a comprehensive study of man and his works. The discipline includes human origin and development, variation in physical types, and aspects of human culture such as family patterns and customs, economics, religions, languages, and handicrafts and technology. ANTH 2301 and ANTH 2351 will fulfill social science requirements at many universities.

ANTH 2301 Physical Anthropology (45.0301.5142)

ANTH 2351 Cultural Anthropology (45.0201.5342)

Geography

Courses in geography are designed to acquaint students with the world and its peoples. Major aspects of both physical and cultural geography are studied in an integrated manner in order to provide a greater understanding of world conditions. GEOG 1301 and GEOG 1302 will fulfill social science requirements at many colleges.

GEOG 1301 Principles of Geography I (45.0701.5142)

GEOG 1302 Principles of Geography II (45.0701.5142)

German (see English and Foreign Languages)

Government (see Social Sciences)

Heating, Ventilation, Air Conditioning Technology

Faculty: James Bates, chair.

Heating, ventilation and air conditioning (HVAC) is one of the fastest growing industries in the world today. Food preparation and storage, personal comfort, medical procedures and industrial processes have been radically changed and improved by refrigeration. At present, the demand for trained personnel has far exceeded the supply and every new phase of the industry creates greater demands.

Course of Study for Associate in Applied Science Degree Heating, Ventilation, Air Conditioning

	Semester Hr
General Education Requirements	20
COSC 1301 Introduction to Computer Systems	
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	
GOVT 2301 U.S. and Texas Government	
MATH 1314 College Algebra or	
	2
MATH 1372 Technical College Algebra	
*PHED (any two one-hour activity courses)	2
PSYC 2302 Applied Psychology	3
SPCH 1315 Public Speaking <u>or</u>	
SPCH 1321 Business and Professional Speech	3
Technical Core	16
ELEC 2410 National Electrical Code	4
HVAC 1401 Refrigeration Theory	
MAIN 1402 Plumbing Fundamentals	4
MAIN 2404 Structural Repair	
MANY 2404 Otruotulai Nopan	***************************************
Major Requirements	30
ELEC 2404 Electrical Machinery and Controls	
HVAC 1400 Basic Control Theory	
HVAC 1403 Commercial Refrigeration	
HVAC 1404 Heating	4
HVAC 1405 Fundamentals of Sheet Metal	
HVAC 2302 Air Conditioning Design	3

_	T.
HVAC 2377 Cooperative Work Experience3	8
HVAC 2405 Mechanical Code4	•
Total Semester Hours66	
*PHED 1100 should be the first course taken in physical education.	1
	•
Certificate of Technology	
Heating, Ventilation, Air Conditioning	
.	
Certificates of technology are available in the following job-specific fields. See the	•
program chair for course requirements.	
Level I certificates are TASP-waived.	1
Level I Celtificates are TASF-walved.	- 1
Basic HVAC Technician (Level I)	
Semester H	ire
COSC 1301 Introduction to Computer Systems3	" "
HVAC 1400 Basic Control Theory4	
HVAC 1401 Refrigeration Theory4	•
HVAC 1404 Heating4	
MATH 1314 College Algebra or MATH 1372 Technical College Algebra 3	- 1
PSYC 2302 Applied Psychology	
•••	•
Total Semester Hours21	
Oback Matel Technician (Level I)	
Sheet Metal Technician (Level I) Semester H	
COSC 1301 Introduction to Computer Systems	18
MATH 1314 College Algebra <u>or</u>	
MATH 1372 Technical College Algebra	1
HVAC 1405 Fundamentals of Sheet Metal Pattern Drafting and Layout	
HVAC 2302 Air Conditioning Design	•
PSYC 2302 Applied Psychology	_
	•
Total Semester Hours	1
One was a state of the late of	
Commercial Refrigeration Maintenance Technician (Level I)	
Semester H	rs
COSC 1301 Introduction to Computer Systems 3 ELEC 2410 National Electrical Code	i
HVAC 1400 Basic Control Theory	
HVAC 1400 Basic Control Theory	
HVAC 1407 Refrigeration Theory	
HVAC 2404 HVAC System Troubleshooting	ì
MAIN 1402 Plumbing Fundamentals	
MAIN 2404 Structural Repair	,
MATH 1314 College Algebra or MATH 1372 Technical College Algebra 3	
PSYC 2302 Applied Psychology	- 1
· · · · · · · · · · · · · · · · · · ·	
Total Semester Hours	ı
4.4 1.18.4 A.F. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	ļ
Advanced HVAC Technician (Level II)	į
Semester H	irs
COSC 1301 Introduction to Computer Systems	
ELEC 2410 National Electrical Code4	
MATH 1314 College Algebra or	
MATTI 1014 College Algebia <u>vi</u>	1
MATH 1372 Technical College Algebra3	١

	HVAC 1400 Basic Control Theory4
_	HVAC 1401 Refrigeration Theory4
_	HVAC 1403 Commercial Refrigeration4
	HVAC 1404 Heating4
	HVAC 2302 Air Conditioning Design3
_	HVAC 2305 Refrigeration and Air Conditioning Business Operations3
	HVAC 2405 Mechanical Code4
	HVAC 2409 Building Energy Audit Training4
	PSYC 2302 Applied Psychology3
	Total Semester Hours43
	HVAC Shop Manager — Advanced Skills Certificate (Level III) May only be awarded along with or following completion of Associate or higher-level degree.
	Semester Hrs
	MGMT 1301 Introduction to Management3
#	MGMT 1302 Managerial Functions3
	MGMT 2304 Personnel and Human Relations3
	MGMT 2306 Human Resource Management3
	-
-	Total Semester Hours12
	Heating, Ventilation, Air Conditioning Technology Courses
_	HVAC 1400 Basic Control Theory (3-3)
_	Course includes the understanding and interpretation of schematic diagrams and
	basic electricity technology and progresses to electric motors, design and function of starters, contactors, relays, capacitors, overloads and control circuits applicable to the refrigeration and air conditioning industry. Students will perform mathematical calculations pertaining to OHMS Law and learn to deal with customer expectations. Lab fee required. (SCANS 1,3,5,8) Prerequisite: None. Corequisite: HVAC 1401.
	HVAC 1401 Refrigeration Theory
_	(3-3)
	Competencies include the technology of heat transfer, behavior of gases, refrigeration cycle, component parts of the compression refrigeration machine and its accessories. Students will learn to understand and interpret charging charts in order to charge systems, recover refrigerant using UL approved recovery systems. Students will be exposed to customer relations and troubleshooting techniques. Lab fee required. (SCANS 1,5,8,9) Prerequisite: None.
	HVAC 1403 Commercial Refrigeration
	(3-3)
	stressed. Lab fee required. (SCANS 3,5,8,9) Prerequisite: HVAC 1401.
	HVAC 1404 Heating
(S)	(3-3)

servicing, troubleshooting, and customer relations. Lab fee required. (SCANS 5,8,9) Prerequisite: None.

HVAC 1405 Fundamentals of Sheet Metal Layout

HVAC 2302 Air Conditioning Design

HVAC 2305 Refrigeration and Air Conditioning Business Operations

HVAC 2377 Cooperative Work Experience

HVAC 2404 HVAC System Troubleshooting

HVAC 2405 Mechanical Code

HVAC 2409 Building Energy Audit Training

History (see Social Sciences)

Human Development (see Orientation)

Human Services

Faculty: James Jordan, chair.

Odessa College offers a program in human services (alcohol and drug abuse) for those students who wish to be licensed by the Texas Commission on Alcohol and Drug Abuse (TCADA) in order to accept employment relating to victims of alcohol and drug abuse. The core curriculum in human services, which meets the requirements of the Texas Commission on Alcohol and Drug Abuse, can lead to an associate in applied science degree or a certificate of completion in human services. The human services program also is approved by the Texas Association of Alcohol and Drug Abuse Counselors (TAADAC).

Course of Study for Associate in Applied Science Degree Alcohol and Drug Abuse

Alcohol and Drug Abuse	
General Education Requirements	Semester Hrs
CHLD 1304 The Abused and Neglected Child	
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
GOVT 2301 U.S. and Texas Government or	
GOVT 2302 American National Government	3
MATH 1332 Structures of College Mathematics I or higher level math	3
*PHED (any two one-hour activity courses)	
PSYC 2301 Introduction to Psychology	3
PSYC 2302 Applied Psychology	3
SOCI 1301 Principles of Sociology	3
SOCI 1306 Social Problems	3
SOCI 2301 Sociology of the Family	3
SPCH 1321 Business and Professional Speech	3
Elective	3
Major Requirements	22
HUMS 1301 Introduction to Chemical Dependency	
HUMS 1302 Issues in Chemical Dependency	3
HUMS 1306 Basic Counseling Skills I	3
HUMS 1308 Basic Counseling Skills II	3
HUMS 2310 Special Studies in Chemical Dependency	3
HUMS 2401 Counseling Skills III	Δ
HUMS 2350 Clinical Practicum	
Total Semester Hours	63
*PHED 1100 should be the first course taken in physical education.	
Students who wish only to qualify to take the TCADA licensure or TAADAC c	ertification
examination may do so by successfully completing 22 semester hrs of human ser	vices courses.
Students who wish to transfer to an upper-level institution should check re	aguirements of
that institution.	

Human Services Certificate Program

This program is designed for the individual who cannot commit to two years in a formalized degree program but wishes to obtain employable skills in the human services field as quickly as possible. Individuals who complete this program secure employment and may continue their studies toward a degree on a part-time basis without having to repeat major or related courses in the degree sequence.

Level I certificates are TASP-waived.

Course of Study for Certificate of Completion Level I - Alcohol and Drug Abuse

Semeste	
General Education Requirement12	2
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
MATH 1332 Structures of College Mathematics I or higher level math	3
SPCH 1321 Business and Professional Speech	3
Major Requirements22	2
HUMS 1301 Introduction to Chemical Dependency	3
HUMS 1302 Issues in Chemical Dependency	
HUMS 1306 Basic Counseling Skills I	3
HUMS 1308 Basic Counseling Skills II	3
HUMS 2310 Special Studies in Chemical Dependency	3
HUMS 2350 Clinical Practicum	
HUMS 2401 Counseling Skills III	Ĺ
g	•
Total Semester Hours	Į.
	•
Human Services Courses	
HUMS 1301 Introduction to Chemical Dependency (3-0)	2
Presents an overview of chemical dependency, including concepts of addiction, family, and the recovery process. Students will learn the complex interrelationsh associated with addiction, the value of self-esteem, honesty, and integrity, and problem resolution involving divergent interests. Written and verbal communicat will be highlighted as will interpretational skills. (SCANS 5,7,9,10) Prerequisite: None.	ips
HUMS 1302 Issues in Chemical Dependency (3-0)	
Presents a detailed study of interpersonal behavior patterns, lifestyles, and sociarelationships associated with chemical dependency. Students will acquire and evaluate technical information pertaining to all major drug groups and be able to relate this information using didactic methods. Responsibility, self-esteem, integ and honesty will be re-emphasized. (SCANS 5,6,10,11) Prerequisite: None.	al
HUMS 1306 Basic Counseling Skills I	
(3-0)	s ners
(3-0)	sis

discussed. Listening, communicating, and teaching individually and in groups will be focal points. (SCANS 5,6,9,10,11) Prerequisite: None.

HUMS 2310 Special Studies in Chemical Dependency

HUMS 2350 Clinical Practicum

HUMS 2401 Counseling Skills III

Latin (see English and Foreign Languages)

Law Enforcement/Criminal Justice

Faculty: Sidney Lyle, chair; Jim McKown, Brad Miller, Geoffrey Schwende.

The field of law enforcement/criminal justice presents a challenging field of study for people interested in public service. The ever increasing problem of crime, as well as continued population growth provides many opportunities to those who have prepared themselves through education and training. This program offers students the opportunity to attend an approved Texas peace officer academy and meet the requirements of licensure to be a Texas law enforcement officer. It also provides an avenue to obtain an associate in applied science degree in law enforcement/criminal justice. The associate degree program consists of both law enforcement and academic courses. It serves as the first two years of study for the baccalaureate degree in criminal justice or law enforcement in many senior colleges and universities.

Those students who are enrolled in the academic program and who wish to be licensed must first complete the designated seven transfer courses. The student may then enroll in the academy and complete that portion of the academy that the Texas

Commission on Law Enforcement Officer Standards and Education has designated as the Texas peace officer sequence courses. These courses will be offered as open entry credit courses and are a part of the basic academy requirements. For further information, contact the department chair.

Course of Study for Associate in Applied Science Degrees Law Enforcement/Criminal Justice Option

Sei	nester l
General Education Requirements	17
*COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government or	
GOVT 2302 American National Government	3
MATH 1332 Structures of College Mathematics I or	
MATH 1372 Technical College Algebra or higher level math	3
**PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	3
Related Requirements	
*OFST 1404 Beginning Word Processing or	······ 4
*OFST 1404 Beginning word Processing <u>or</u>	
*OFST 1421 Keyboarding and Document Preparation or OFST 1422 Business Productions	4
Major Requirements	36
*CRIJ 1301 Introduction to Criminal Justice	3
CRIJ 1306 The Courts and Criminal Procedure	3
*CRIJ 1307 Crime In America	3
CRIJ 1310 Fundamentals of Criminal Law	
CRIJ 1318 Patrol Administration	3
CRIJ 1322 Traffic Law	3
CRIJ 1379 Law Enforcement Telecommunications	3
CRIJ 2314 Criminal Investigation	3
*CRIJ 2320 County Corrections	3
CRIJ 2323 Legal Aspects of Law Enforcement	3
CRIJ 2328 Police Systems and Practices	3
CRIJ 2331 Traffic Management and Supervision	3
AND any nine hours selected from the following pool of courses	
CRLI 1321 Prohation and Parole	3
CRÍJ 1321 Probation and ParoleCRIJ 1390 Armed Private Security Investigator	3
CRIJ 2322 Juvenile Procedures	3
CRIJ 2325 Correction Systems and Practices	3
CRIJ 2330 Community Corrections and Rehabilitation	
CRIJ 2370 Physical Evidence & Investigation Techniques	3
CRLI 2374 Fundamentals of Interviewing	3
CRIJ 2385 Spanish for Law Enforcement and Emergency Workers	3
CRIJ 2471 Firearms Proficiency	4
CRIJ 2572 Introduction to Pre-Trial Release Services	5
CRIJ 2578 Human Behavior Patterns	5
PSYC 2302 Applied Psychology	3
Total Semester Hours	66

^{*}Denotes courses which may be articulated from high school based on articulation agreements between Odessa College and an independent school district. Non-techprep students who desire to enroll in the program at Odessa College must complete these courses along with other leveling or bridge courses as indicated by assessment results and educational background.

**PHED 1100 should be the first course taken in physical education. PHED 1118 and PHED 1119 are recommended for those individuals pursuing a career as a peace officer. Those students attending the law enforcement academy may substitute the Texas peace officer sequence courses, CRIJ 2475 and CRIJ 2476 for CRIJ 1310 and CRIJ 2471.

Students must complete 66 hours as approved by the department chair to meet degree requirements. Any variance from prerequisites or any substitution of courses must have prior, written approval.

Texas accrediting agencies have designated seven law enforcement courses as transfer courses creditable and transferable toward any law enforcement/criminal justice degree offered in Texas. Those courses are as follows: CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323 and CRIJ 2328. Students should receive written confirmation from the college or university to which they intend to transfer regarding the scope and extent of acceptance of these courses.

Law Enforcement/Corrections Option

Law Enforcement/Corrections Option	
Semester H	Irs
General Education Requirements17	
*COSC 1301 Introduction to Computer Systems	
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing 3	
GOVT 2301 U.S. and Texas Government or	
GOVT 2302 American National Government	
MATH 1332 Structures of College Mathematics I or	
MATH 1372 Technical College Algebra or higher level math	
**PHED (any two one-hour activity courses)	
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	
·	
Related Requirements4	
*OFST 1404 Beginning Word Processing or	
*OFST 1421 Keyboarding and Document Preparation or	
OFST 1422 Business Productions4	
Major Requirements	
*CRIJ 1301 Introduction to Criminal Justice	
CRIJ 1306 The Courts and Criminal Procedure3	
*CRIJ 1307 Crime In America3	
CRIJ 1310 Fundamentals of Criminal Law3	
CRIJ 1321 Probation and Parole3	
CRIJ 1379 Law Enforcement Telecommunications	
CRIJ 2314 Criminal Investigation	
*CRIJ 2320 County Corrections	
CRIJ 2322 Juvenile Procedures	
CRIJ 2323 Legal Aspects of Law Enforcement	
CRIJ 2325 Correction Systems and Practice	
CRIJ 2330 Community Correction and Rehabilitation	
•	
AND any nine hours selected from the following pool of courses9	
CRIJ 1318 Patrol Administration3	
CRIJ 1322 Traffic Law3	
CRIJ 1390 Armed Private Security Investigator3	
CRIJ 2328 Police Systems and Practice	
CRIJ 2331 Traffic Management and Supervision	
CRU 2370 Physical Evidence and Investigation Techniques	
CRIJ 2374 Fundamentals of Interviewing	
CRIJ 2374 Fundamentals of Interviewing	
CRIJ 2471 Firearms Proficiency	
CRIJ 2572 Introduction to Pre-Trial Release Services	
CRIJ 2578 Human Behavior Patterns	
PSYC 2302 Applied Psychology	

Total Semester Hours66

*Denotes courses which may be articulated from high school based on articulation agreements between Odessa College and an independent school district. Non-tech-prep students who desire to enroll in the program at Odessa College must complete these courses along with other leveling or bridge courses as indicated by assessment results and educational background.

**PHED 1100 should be the first course taken in physical education. PHED 1118 and PHED 1119 are recommended for those individuals pursuing a career as a peace officer. Those students attending the law enforcement academy may substitute the Texas peace officer sequence courses, CRIJ 2475 and CRIJ 2476 for CRIJ 1310 and CRIJ 2471.

Students must complete 66 hours as approved by the department chair to meet degree requirements. Any variance from prerequisites or any substitution of courses must have prior, written approval.

Texas accrediting agencies have designated seven law enforcement courses as transfer courses creditable and transferable toward any law enforcement/criminal justice degree offered in Texas. Those courses are as follows: CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323 and CRIJ 2328. Students should receive written confirmation from the college or university to which they intend to transfer regarding the scope and extent of acceptance of these courses.

Certificate of Completion in Law Enforcement

Level I certificates are TASP-waived.

Level I - County Correctional Officer

Constal Education Descriptions	Semester Hrs
General Education Requirements	
*COSC 1301 Introduction to Computer Systems	3
*OFST 1404 Beginning Word Processing or	
*OFST 1421 Keyboarding and Document Preparation or	
OFST 1422 Business Productions	4
Males Benedices and	_
Major Requirements	9
*CRIJ 1301 Introduction to Criminal Justice	3
*CRIJ 1307 Crime In America	
*CRIJ 2320 County Corrections	3
Total Semester Hours	16
Level I - State Prison Guard	
I DIS IS 2 DASIC DIODIAM TOT DOTCODE INTOTOCTOR IN A ACTOR OF A ACTOR	tional officer
This is a basic program for persons interested in a career as a correct	
(state prison guard). The following certificate contains the training curricular	um seaments
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis	um seaments
(state prison guard). The following certificate contains the training curricular	um seaments
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis	ium segments ion (TDCJ-ID). Semester Hrs
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis	ium segments ion (TDCJ-ID). Semester Hrs
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis General Education Requirements	ium segments ion (TDCJ-ID). Semester Hrs
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis General Education Requirements	ium segments ion (TDCJ-ID). Semester Hrs
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis General Education Requirements	ium segments ion (TDCJ-ID). Semester Hrs
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis General Education Requirements	ium segments ion (TDCJ-ID). Semester Hrs
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis General Education Requirements	tum segments tion (TDCJ-ID). Semester Hrs 6
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis General Education Requirements	tum segments tion (TDCJ-ID). Semester Hrs6
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis General Education Requirements	tum segments ion (TDCJ-ID). Semester Hrs63
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis General Education Requirements	tum segments ion (TDCJ-ID). Semester Hrs63
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis General Education Requirements	tum segments ion (TDCJ-ID). Semester Hrs
(state prison guard). The following certificate contains the training curricul mandated by the Texas Department of Criminal Justice, Institutional Divis General Education Requirements	tum segments ion (TDCJ-ID). Semester Hrs

Prior to admission to the correctional officer program, applicants must be approved by the TDCJ-ID which will include the following qualifications:

- 1. Be at least 18 years of age.
- 2. Be a high school graduate or possess a state GED.
- 3. Complete the TDČJ application with all attachments.
- 4. Pass the TDCJ entrance examination.
- 5. Pass the pre-employment interview.
- 6. Pass a background check.

Level I - Emergency Telecommunications/Dispatcher

	Semester Hrs
General Education Requirements	
*COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	3
*OFST 1404 Beginning Word Processing or	
*OFST 1421 Keyboarding and Document Preparation or	
OFST 1422 Business Productions	4
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speaking	3
Major Requirements	21
*CRIJ 1301 Introduction to Criminal Justice	3
CRIJ 1306 The Courts and Criminal Procedure	
*CRIJ 1307 Crime In America	
CRIJ 1310 Fundamentals of Criminal Law	3
CRIJ 1379 Law Enforcement Telecommunications	3
CRIJ 2314 Criminal Investigation	3
*CRIJ 2320 County Corrections	
Total Semester Hours	34
*Denotes courses which may be articulated from high school based on ar agreements between Odessa College and an independent school district. prep students who desire to enroll in the program at Odessa College mus these courses along with other leveling or bridge courses as indicated by results and educational background.	Non-tech- et complete

Odessa College Basic Law Enforcement Academy Certificate (Level I) <

The basic academy for peace officers is designed for persons interested in obtaining a peace officer's license and pursuing law enforcement as a career. The training curriculum segments mandated by the Texas Commission on Law Enforcement Officer Standards and Education (TCLEOSE) have been equated to nine courses (30 semester hours) in the law enforcement curriculum. College credit for the nine academic courses will be awarded for successful completion of the academy and will be recorded in the registrar's office at Odessa College.

Prior to admission to the academy program, applicants must complete the following:

- ASSET Test, and
- A sworn personal history statement with all required attachments.

Individuals may enroll only in the peace officer sequence (CRIJ 2474, CRIJ 2475 and CRIJ 2476) if they can first show proof of having successfully completed the seven transfer courses.

Upon satisfactory completion of the entire academy, the following credits will be awarded:

	CRIJ 1301 Introduction to Criminal Justice3
	CRIJ 1306 The Courts and Criminal Procedure3
	CRIJ 1322 Traffic Law3
	CRLL 2314 Criminal Investigation 3
	CRIJ 2314 Criminal Investigation
	ORU 2023 Legal Aspects of Law Little Hell
	CRIJ 2374 Fundamentals of Interviewing
	CRIJ 2474 Texas Peace Officer Law4
	CRIJ 2475 Texas Peace Officer Procedures4
	CRIJ 2476 Texas Peace Officer Skills4
T-4	al Semester Hours30
100	al Salliester Hours
С	ertificates of Completion in Law Enforcement Advanced Skills
	Level III - Texas Peace Officer
	May only be awarded along with or following completion
	of Associate or higher-level degree.
	Semester Hrs
Mai	or Requirements 12
,	CRIJ 2474 Texas Peace Officer Law4
	CRIJ 2475 Texas Peace Officer Procedures
	CRIJ 2476 Texas Peace Officer Skills4
Tot	al Semester Hours12
beir	All persons who apply for a peace officer's position with any law enforcement ncy in Texas must first have completed all mandated training and education prior to ag employed. The two methods of achieving Texas peace officer licensure are as lows:
1.	Successful completion of that portion of the academy designated as CRIJ 2474,
2.	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy.
	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or
	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure.
	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills
pea	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills Semester Hrs
pea	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills Semester Hrs or Requirements
pea	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills Semester Hrs or Requirements
pea	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills Semester Hrs or Requirements
pea	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills Semester Hrs or Requirements 8 CRIJ 2183 Use of Force 1 CRIJ 2184 Arrest, Search and Seizure 1
pea	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Semester Hrs or Requirements 8 CRIJ 2183 Use of Force 1 CRIJ 2184 Arrest, Search and Seizure 1 CRIJ 2280 Child Abuse Recognition 2
pea	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Semester Hrs or Requirements 8 CRIJ 2183 Use of Force 1 CRIJ 2184 Arrest, Search and Seizure 1 CRIJ 2280 Child Abuse Recognition 2 CRIJ 2281 Crime Scene Search 1
pea	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Semester Hrs or Requirements 8 CRIJ 2183 Use of Force 1 CRIJ 2184 Arrest, Search and Seizure 1 CRIJ 2280 Child Abuse Recognition 2
pea Ma j	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Semester Hrs or Requirements 8 CRIJ 2183 Use of Force 1 CRIJ 2184 Arrest, Search and Seizure 1 CRIJ 2280 Child Abuse Recognition 2 CRIJ 2281 Crime Scene Search 1
pea Ma j	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills Semester Hrs or Requirements 8 CRIJ 2183 Use of Force 1 CRIJ 2184 Arrest, Search and Seizure 1 CRIJ 2280 Child Abuse Recognition 2 CRIJ 2281 Crime Scene Search 2 CRIJ 2282 Advanced Texas Peace Officer Skills 2
pea Maj	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills Semester Hrs or Requirements CRIJ 2183 Use of Force 1 CRIJ 2184 Arrest, Search and Seizure 1 CRIJ 2280 Child Abuse Recognition 2 CRIJ 2281 Crime Scene Search 2 CRIJ 2282 Advanced Texas Peace Officer Skills all Semester Hours 8 Law Enforcement/Criminal Justice Courses
pea Maj	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills Semester Hrs or Requirements 8 CRIJ 2183 Use of Force 1 CRIJ 2184 Arrest, Search and Seizure 1 CRIJ 2280 Child Abuse Recognition 2 CRIJ 2281 Crime Scene Search 2 CRIJ 2282 Advanced Texas Peace Officer Skills 2 al Semester Hours 8 Law Enforcement/Criminal Justice Courses J 1301 Introduction to Criminal Justice
pea Maj	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills Semester Hrs or Requirements 8 CRIJ 2183 Use of Force 1 CRIJ 2184 Arrest, Search and Seizure 1 CRIJ 2280 Child Abuse Recognition 2 CRIJ 2281 Crime Scene Search 2 CRIJ 2282 Advanced Texas Peace Officer Skills 2 al Semester Hours 8 Law Enforcement/Criminal Justice Courses J 1301 Introduction to Criminal Justice (3-0) 3 hours
pea Maj	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills Semester Hrs or Requirements 8 CRIJ 2183 Use of Force 1 CRIJ 2184 Arrest, Search and Seizure 1 CRIJ 2280 Child Abuse Recognition 2 CRIJ 2281 Crime Scene Search 2 CRIJ 2282 Advanced Texas Peace Officer Skills 2 al Semester Hours 8 Law Enforcement/Criminal Justice Courses J 1301 Introduction to Criminal Justice (3-0) 3 hours Presents history and philosophy of criminal justice and its ethical considerations.
pea Maj	CRIJ 2475, and CRIJ 2476 (TCLEOSE sequence courses) and successful completion of the seven transfer courses (CRIJ 1301, CRIJ 1306, CRIJ 1307, CRIJ 1310, CRIJ 2314, CRIJ 2323, and CRIJ 2328) or Successful completion of the law enforcement academy. Upon successful completion of either method, students will be eligible to apply for ce officer licensure. Level III - Texas Peace Officer Advanced Skills Semester Hrs or Requirements 8 CRIJ 2183 Use of Force 1 CRIJ 2184 Arrest, Search and Seizure 1 CRIJ 2280 Child Abuse Recognition 2 CRIJ 2281 Crime Scene Search 2 CRIJ 2282 Advanced Texas Peace Officer Skills 2 al Semester Hours 8 Law Enforcement/Criminal Justice Courses J 1301 Introduction to Criminal Justice (3-0) 3 hours Presents history and philosophy of criminal justice and its ethical considerations. Students will use terms, concepts, and applications to identify and explain the
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and charts explaining the flow of investigative information to, and jurisdiction of, the various court systems. Participants will catalogue, list, classify, and justify the specific requirements which must be met in order to gain career employment at the local, state, and national level. Recognize crime problems and crime's nature and impact on society. Gives overview of the criminal justice system: law enforcement, the courts, prosecution and defense, the trial process, and corrections. (SCANS 1,2,5,6,9,11) Prerequisite: None.

CRIJ 1306 The Courts and Criminal Procedure

CRIJ 1307 Crime in America

CRIJ 1310 Fundamentals of Criminal Law

CRIJ 1318 Patrol Administration

CRIJ 1321 Probation and Parole

Prerequisite: None.

CRIJ 1322 Traffic Law

CRIJ 1371 Correctional Officer Theory and Technique

CRIJ 1372 Correctional Officer Procedure

CRIJ 1373 Correctional Officer Skills

CRIJ 1379 Law Enforcement Telecommunications

CRIJ 1390 Armed Private Security/Investigator

CRIJ 2183 Use of Force

CRIJ 2184 Arrest, Search and Seizure

CRIJ 2280 Child Abuse Recognition

CRIJ 2281 Crime Scene Search

CRIJ 2282 Advanced Texas Peace Officer Skills

CRIJ 2314 Criminal Investigation

CRIJ 2320 County Corrections (Jail Operation & Management)

CRIJ 2322 Juvenile Procedures

CRIJ 2323 Legal Aspects of Law Enforcement

CRIJ 2325 Correctional Systems and Practice

CRIJ 2328 Police Systems and Practices

CRIJ 2330 Community Correction and Rehabilitation

CRIJ 2331 Traffic Management and Supervision

CRIJ 2370 Physical Evidence and Investigation Techniques

CRIJ 2374 Fundamentals of Interviewing

CRIJ 2385 Spanish for Law Enforcement and Emergency Workers

CRIJ 2471 Firearms Proficiency

CRIJ 2474 Texas Peace Officer Law

CRIJ 2475 Texas Peace Officer Procedures

CRIJ 2476 Texas Peace Officer Skills

CRIJ 2572 Introduction to Pre-Trial Release Services

CRIJ 2578 Human Behavior Patterns

Legal Assistant

Faculty: Nancy Stewart, chair; Ben Wilcox.

The legal assistant curriculum was developed to qualify men and women for positions as assistants or aides to the legal profession and to upgrade the qualifications of legal support personnel. Upon completion of this curriculum, the legal assistant graduate will qualify to work under the supervision of a lawyer and may perform such duties as case screening, investigation and evaluation, detail work pertaining to probate matters, income tax returns, searching public records and court files, office management, accounting, library service, preparation of legal memoranda, servicing and filing of legal documents and preparing legal forms.

Course of Study for Associate in Arts Degree
Legal Assistant

Legal Assistant	
•	Semester Hrs
General Education Requirements	38
COSC 1301 Introduction to Computer Systems	
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL any sophomore-level literature	6
ENGL any sophomore-level literature	3
GOVT 2302 American National Government	3
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877	a
MATH (six hours) or	
Science (six to eight hours) or	
Foreign Language (six to eight hours; Spanish preferred)	e
*PHED (any two one-hour activity courses)	
SPCH 1321 Business and Professional Speech	2
SPCH 1321 Business and Professional Speech	3
Major Paguiramente	20
Major Requirements LEGL 1301 Introduction to Legal Writing	
LEGE 1301 introduction to Legal writing LEGE 1302 Introduction to Paralegalism	
LEGIL 1302 Introduction to Paralegalism	3
LEGL 2301 Legal Drafting and Office Procedures	
LEGL 2302 Legal Research	3
AND Any 18 hours selected from the following pool of courses	
	•
LEGL 1304 Principles of Family Law	
LEGL 1305 Introduction to Civil Litigation	3
LEGL 2311 Wills, Trusts, and Probate Administration	3
LEGL 2312 Torts, Insurance, and Claims Investigation	3
LEGL 2316 Technique of Litigation Practice/Procedure	3
LEGL 2317 Administrative Law I	
LEGL 2350 Environmental Law	
LEGL 2355 Fundamentals of Criminal Law	• • • • • • • • • • • • • • • • • • • •
LEGL 2360 CLA Review	
BUSI 2301 Business Law	3
OFST 2415 Legal Transcription	4
Total Semester Hours	68

*PHED 1100 should be the first course taken in physical education.

Course of Study for Associate in Applied Science Degree Legal Assistant

(Pending approval by the Texas Higher Education Coordinating Board) **Semester Hrs** General Education Requirements17 COSC 1301 Introduction to Computer Systems3 GOVT 2301 U.S. and Texas Government or MATH 1314 College Algebra or MATH 1372 Technical College Algebra or MATH 1324 Mathematical Analysis for Business3 *PHED (any two one-hour activity courses)......2 SPCH 1321 Business and Professional Speech or SPCH 1315 Public Speaking3 Major Requirements42 LEGL 1301 Introduction to Legal Writing3 LEGL 2302 Legal Research LEGL 2316 Techniques of Litigation Practice/Procedure.......3 Related Requirements......11 OFST 1404 Beginning Word Processing 4 OFST 2415 Legal Transcription......4 Total Semester Hours70 *PHED 1100 should be the first course taken in physical education. Certificate of Completion Level I certificates are TASP-waived. Level I - Legal Assistant General Education Requirements6 COSC 1301 Introduction to Computer Systems3 Major Requirements20 LEGL 2302 Legal Research3

OFST 1404 Beginning Word Processing	
Total Semester Hours26	
A total of 26 semester hours and a minimum grade point average of 2.0 are required a level I—legal assistant— certificate. The 26 semester hours specified in level I certificate—legal assistant—plus the following courses:	for
Level II - Advanced Legal Assistant	
Semester General Education Requirements3	Hrs
SPCH 1315 Public Speaking or	
1321 Business and Professional Speech	
Major Requirements21	
LEGL 1304 Principles of Family Law3	
LEGL 1305 Introduction to Civil Litigation	
LEGE 2301 Legal Draiting and Onice Practice	
LEGL 2312 Torts, Insurance and Claims Investigation	
LEGL 2316 Techniques of Litigation Practice/Procedures	
LEGL 2317 Administrative Law	
Total Semester Hours50	
National Association of Legal Assistants (NALA) —Upon completion of the associated degree or certificate program, students may become eligible to take the NALA Certified Legal Assistant Examination (CLA). Full-time students and/or those taking legal assist courses may qualify for student membership in the national organization.	1
Legal Assistant Courses	
LEGL 1301 Introduction to Legal Writing	
<u> </u>	d to fice
LEGL 1301 Introduction to Legal Writing (3-0)	d to fice
LEGL 1301 Introduction to Legal Writing (3-0)	the cess
LEGL 1301 Introduction to Legal Writing (3-0)	the cess
LEGL 1301 Introduction to Legal Writing (3-0)	the cess site:
(3-0)	the cess site:
LEGL 1301 Introduction to Legal Writing (3-0)	the cess site:

litigation process in detail. The student will learn Texas and federal procedures for instituting trial cases, discovery, pre-trial motions, motions after judgment and appeals to higher courts. (SCANS 4,6,9,10,11) Prerequisite: None.

LEGL 2301 Legal Drafting and Office Procedure

LEGL 2302 Legal Research

LEGL 2311 Wills, Trusts, and Probate Administration

LEGL 2312 Torts, Insurance, and Claims Investigation

LEGL 2316 Technique of Litigation Practice/Procedure

LEGL 2317 Administrative Law

LEGL 2350 Environmental Law

LEGL 2355 Fundamentals of Criminal Law

various offenses. The student will acquire the skills needed to determine specific offenses based upon the recognition of the classifications and elements of crime and criminal responsibility, and will be able to identify specific chargeable offenses embodied in crime scene scenarios. The student will chart the occurrence of crime and its prevention on a time continuum and demonstrate the allocation of resources as a tool for the understanding of criminal law. (SCANS 1,4,6,7,9,11) Prerequisite: Consent of the department chair.

LEGL 2360 CLA Review

LEGL 2377 Cooperative Work Experience

Machine Technology (see Metal Trades Technology)

Maintenance Technology

Faculty: James Bates, chair; Danny Bailey.

The maintenance technology program is designed to train maintenance workers for general maintenance duties. Opportunities for skilled maintenance workers exist in virtually every segment of society. Facility maintenance includes schools, public and private buildings, apartment complexes and condominiums.

Course of Study for Associate in Applied Science Degree Maintenance Technology

172
MAIN 2404 Structural Repair4 HVAC 1401 Refrigeration Theory4
Comparison
Total Semester Hours 63
*PHED 1100 should be the first course taken in physical education. Maintenance Technology Courses
MAIN 1402 Plumbing Fundamentals (3-3)4 hours
Presents theory and application of basic plumbing technology. Involves practical instruction in both new construction and repair work. Students learn blueprint interpretation, basic calculations, and customer relations. Students will size D.W.V. and water systems. Includes preparation for students interested in obtaining a state plumbing license. Lab fee required. (SCANS 1,3,5,8) Prerequisite: None.
MAIN 2377 Cooperative Work Experience
(1-20)
MAIN 2404 Structural Repair (3-3)

Building Courses (See Building Trades)

Electronics Courses (See Electronics Technology)

HVAC Courses (See Heating, Ventilation, and Air Conditioning)

Management/Tech Prep

Faculty: Robert Muñoz, chair; Connie Nichols.

The primary objective of the management program is to prepare each student for full-time employment in supervision. Students not only gain the knowledge of the science of management, but also learn the art of management through class participation, group projects and situational simulations. Students gain insight and knowledge regarding the interpersonal skills required to be successful in today's ever changing marketplace.

The management program is not intended to serve as preparatory work toward a baccalaureate degree. Students planning to pursue a four-year degree should consult the upper-level institution or senior college of their choice regarding transferability of courses.

Students can earn an associate in applied science degree in management or can opt for one of four certificates of technology including general management, marketing, small business and industrial supervision.

Course of Study for Associate in Applied Science Degree Management

	Semester Hr	8
General Education Requirements	23	
ACCT 1370 Introduction to College Accounting	3	
BCIS 1401 Introduction to Computer Information Systems or		
**COSC 1301 Introduction to Computer Systems	3	
ECON 2301 Principles of Economics I (Macro) or		
ECON 2302 Principles of Economics II (Micro)	3	
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	3	
GOVT 2301 U.S. and Texas Government	3	
MATH 1324 Mathematical Analysis for Business I or	_	
any other college-level mathematics	3	
*PHED (any two one-hour activity courses)		
SPCH 1321 Business & Professional Speech	3	
•		
Major Requirements for All Management Majors	30	
MGMT 1301 Introduction to Management		
MGMT 1302 Managerial Functions		
MGMT 1321 Principles of Marketing		
MGMT 2300 Management Issues	3	
MGMT 2301 Management Skills Development		
MGMT 2302 Leadership	3	
MGMT 2304 Personnel and Human Relations		
MGMT 2306 Human Resource Management		
MGMT 2365 Introduction to Business Logistics		
MGMT 2377 Cooperative Work Experience		
MGMT (Approved management electives)	12	
Total Semester Hours	65	

^{*}PHED 1100 should be the first course taken in physical education.

A certificate of technology may be earned by those who do not wish to pursue an associate degree.

^{**}Indicates courses which may be articulated by tech-prep agreement with high school.

Certificates of Technology - General Management

Level I certificates are TASP-waived.

Level I - General Management Option		
<u> </u>	emester l	Hrs
BCIS 1401 Introduction to Computer Information Systems or		
**COSC 1301 Introduction to Computer Systems		3
ENGL 1301 Composition and Rhetoric or		
ENGL 1312 Report Writing		3
MGMT 1301 Introduction to Management		3
MGMT 1302 Managerial Functions		
MGMT 2300 Management Issues		
MGMT 2302 Leadership		3
MGMT 2301 Management Skills Development		
MGMT 2304 Personnel and Human Relations		
MGMT 2306 Human Resource Management		
MGMT 2377 Cooperative Work Experience		3
Total Semester Hours		
		•
Level I - Marketing Option		
=	emester l	Hrs
BCIS 1401 Introduction to Computer Information Systems or	_	_
**COSC 1301 Introduction to Computer Systems	3-	4
ENGL 1301 Composition and Rhetoric or		
ENGL 1312 Report Writing	•••••	3
MGMT 1301 Introduction to Management	•••••	3
MGMT 1321 Principles of Marketing	•••••	3
MGMT 1323 Principles of Personal Selling		
MGMT 1331 Principles of Retailing	•••••	3
MGMT 2303 Introduction to Public Relations		
MGMT 2305 Internationalization of Business	•••••	3
MGMT 2320 Marketing Issues or		
MGMT 2322 Marketing Management		3
MGMT 2377 Cooperative Work Experience		3
Total Semester Hours	3	0
Level I - Small Business Option		
	emester	Ure
ACCT 1370 Introduction to College Accounting or		
BCIS 1401 Introduction to Computer Information Systems or		
**COSC 1301 Introduction to Computer Systems		3
ENGL 1301 Composition and Rhetoric or		•
ENGL 1312 Report Writing		3
MGMT 1301 Introduction to Management		3
MGMT 1302 Managerial Functions		
MGMT 1321 Principles of Marketing		
MGMT 2322 Marketing Management		3
MGMT 2325 Effective Advertising		3
MGMT 2331 Introduction to Small Business Management		3
MGMT 2332 Entrepreneurship or		
**MGMT 2335 Entrepreneurial Issues		3
MGMT 2377 Cooperative Work Experience		3
Total Samester Hours		
IIIAI SMIIMSIMI PINIITS	-2	

Semester Hrs
BCIS 1401 Introduction to Computer Information Systems or
**COSC 1301 Introduction to Computer Systems
ENGL 1312 Report Writing
MGMT 1302 Managerial Functions
MGMT 1361 Principles of Production Supervision
MGMT 1362 industrial Safety
MGMT 1371 Introduction to Purchasing Management
MGMT 2301 Management Skills Development
MGMT 2377 Cooperative Work Experience
Total Semester Hours
10tal Salliastal Hours
**Indicates courses which may be articulated by tech-prep agreement with high school. Level III - Management Advanced Skills Certificate May only be awarded along with or following completion
of Associate or higher-level degree.
Semester Hrs
ENGL 2311 Technical and Report Writing
BCIS 1302 PC Operating Systems
MGMT 2290 Contemporary Topics for Managers
Total Semester Hours9
Management Courses
MGMT 1301 Introduction to Management
MGMT 1301 Introduction to Management (3-0)
(3-0)
(3-0)
(3-0)
(3-0)
(3-0)
(3-0)

present or future selling positions. Emphasizes the interpersonal and organizational aspects of selling through student participation in reasoning and communicating exercises. Provides opportunities for practicing these techniques under realistic conditions. (SCANS 5,6,9,11) Prerequisite: None.

MGMT 1331 Principles of Retailing

MGMT 1361 Principles of Production Supervision

MGMT 1362 Industrial Safety

MGMT 1371 Introduction to Purchasing Management

MGMT 2190 Advanced Management Topics

MGMT 2290 Contemporary Topics for Managers

MGMT 2300 Management Issues

MGMT 2301 Management Skills Development management. Presents case studies and projects which will require students to interpret and create responses to various areas of management study: including situational leadership, creativity and innovation; problem solving and decision making using computer simulations. (SCANS 5,6,8,9) Prerequisite: None. MGMT 2302 Leadership Explores the concept of leadership and its relationship to management. Through the use of case studies, group interaction and simulations, students will focus on leadership skills needed to inspire and influence others in the organization. (SCANS 5,7,9) Prerequisite: MGMT 1301 or consent of department chair. **MGMT 2303 Introduction to Public Relations** (3-0) 3 hours Introduces techniques of public relations applied to supervisory and management positions. Emphasizes customer relations. Gives attention to programming a total public relations effort and selecting strategy, media and persuasive devices that accomplish given objectives after having listened to and studied the various constituencies involved. (SCANS 6,9,11) Prerequisite: None. MGMT 2304 Personnel and Human Relations (3-0) 3 hours Applies field of human relations to modern business management. Emphasizes the productive management of human resources through effective leadership. decision making and communicating. Explores responsibilities of management in dealing with subordinates one-on-one. (SCANS 5,9,10) Prerequisite: None. **MGMT 2305 Internationalization of Business** (3-0) 3 hours Introduces theory and practice in international business. Emphasizes the creation of appropriate systems for maintaining and controlling the flow of goods, people, information and funds for commercial purpose within and among international sovereignties. Stresses the decision-making process. (SCANS 4,5,6,7,9) Prerequisite: Completion of six hours of MGMT courses or consent of department chair. MGMT 2306 Human Resources Management (3-0) 3 hours Principles and practice in personnel relations, including topics such as recruiting, training, wage and salary administration, manpower planning and legal issues facing supervisors. (SCANS 4,5,6,7,11) Prerequisite: MGMT 1301 or consent of department chair. **MGMT 2320 Marketing Issues** (3-0) 3 hours Presents current issues of particular interest to those preparing for positions in today's changing marketplace. Emphasis will be on competencies associated with present marketing concerns. Students will research and analyze information and, through the use of group discussion and through forms of participation, will create and present effective solutions to modern marketing problems/issues. (SCANS 5,6,9,11) Prerequisite: None. **MGMT 2322 Marketing Management** A continuation of MGMT 1321. Emphasizes management of activities associated with marketing and distribution processes and institutions including the allocation of

resources for monitoring distribution systems and channels; the creation and delivery of promotional messages and activities; and making decisions regarding various approaches to price determination. (SCANS 3,4,7,9,11) Prerequisite: MGMT 1321 or MGMT 1331 or consent of department chair.

MGMT 2325 Effective Advertising

MGMT 2331 Introduction to Small Business Management

MGMT 2332 Entrepreneurship

MGMT 2335 Entrepreneurial Issues

MGMT 2365 Introduction to Business Logistics

MGMT 2377 Cooperative Work Experience

Mass Communication

Faculty: Steve Goff, chair; Tom Hughes, Kris Markman.

Mass communication students at Odessa College enroll mainly for three purposes: to prepare for university transfer, to prepare themselves vocationally for a career and to broaden their exposure to the mass media.

Requirements for the associate in arts degree are basically the same as required courses taken during the first two years at senior colleges and universities. However, students are responsible for becoming aware of the particular requirements of the school to which they plan to transfer.

To offer students an opportunity to gain valuable experience while attending college, Odessa College operates a public radio station, KOCV-FM, and a public television station, KOCV-TV. Practicums also help give on-site professional experience to the mass communication student.

Course of Study for Associate in Arts Degree Broadcasting

Broadcasting	
	Semester Hrs
General Education Requirements	49
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL (sophomore Level)	6
ENGL (sophomore Level) Foreign Language or Science (eight hours in same discipline)	8
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	3
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877	3
MATH (college level)	3
MATH (college level)* *PHED (any two one-hour activity courses)	2
Philosophy, Psychology Sociology, Anthropology or Economics cours	ses 6
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	3
·	
Major Requirements	6
COMM 1307 Introduction to Mass Communications	3
COMM 1335 Survey of Radio and Television	3
•	
And any 9 hours selected from the following courses	9
COMM 1318 Basic Photography I	3
COMM 1336 Television Production I	
COMM 1337 Television Production II	
COMM 2120 Practicum in Electronic Media	
COMM 2121 Practicum in Electronic Media	
COMM 2122 Practicum in Electronic Media	
COMM 2220 Practicum in Electronic Media	
COMM 2303 Audio and Radio Production	
COMM 2311 News Gathering and Writing I	3
COMM 2315 News Gathering and Writing II	3
COMM 2324 Practicum in Electronic Media	3
COMM 2325 Practicum in Electronic Media	
COMM 2326 Practicum in Electronic Media	3
COMM 2331 Announcing for Radio and Television	3
Total Semester Hours	64

*PHED 1100 should be the first course taken in physical education.

Course of Study for Associate in Arts Degree Mass Communication

Semester Hrs
General Education Requirements 49
COSC 1301 Introduction to Computer Systems
ENGL 1301 Composition and Rhetoric
ENGL 1302 Composition and Literature
ENGL (sophomore level)6 Foreign Language or Science (six to eight hours in same discipline)8
Foreign Language or Science (six to eight hours in same discipline)
GOVT 2301 U.S. and Texas Government
GOVT 2302 American National Government
HIST 1301 U.S. History to 1877
HIST 1302 U.S. History from 1877
MATH (College level)
*PHED (any two one-hour activity courses)
Philosophy, Psychology Sociology, Anthropology or Economics courses
SPCH 1315 Public Speaking or
SPCH 1321 Business and Professional Speech
Major Requirements 3
Major Requirements
COMM 1307 Introduction to Mass Communications
And any 12 hours selected from the following courses 12
COMM 1131 Publications 1
COMM 1132 Publications 1
COMM 1316 News Photography 3
COMM 1318 Basic Photography I 3
COMM 1319 Basic Photography II
COMM 1335 Survey of Radio and Television 3
COMM 1336 Television Production I
COMM 2131 Publications 1
COMM 2132 Publications
COMM 2303 Audio and Radio Production
COMM 2311 News Gathering and Writing I
COMM 2315 News Gathering and Writing II
COMM 2325 Practicum in Electronic Media
COMM 2326 Practicum in Electronic Media
Total Semester Hours 64
*PHED 1100 should be the first course taken in physical education.
The chedia be the met beares taken in physical education.
Mass Communication Courses
COMM 1131, 1132, 2131, 2132 Publications (09.0401.5426)
(0-5)
Gives students the opportunity to tailor their Odessa College experience to further
their career goals in mass communication. Students will work on the staff of at least
one of the official college publications for up to five hours a week under faculty
supervision. (SCANS 5,6,7,9) Prerequisites: COMM 1307; TASP competency in
reading and writing or consent of the instructor.
reading and writing or consent of the instructor.
COMME 1207 Introduction to Many Communications (00.0400 F400)
COMM 1307 Introduction to Mass Communications (09.0403.5126)
(3-0)
Surveys basic facets affecting human interaction through mass communications. This
course is designed to develop understanding of the interrelationships of the mass media

in society and to help project the future of communication in an ever changing world. (SCANS 6,7,9) Prerequisites: TASP competency in reading and writing or consent of instructor.

COMM 1316 News Photography (09.0401.5526)

COMM 1318 Basic Photography I (50.0605.5130)

COMM 1319 Basic Photography II (50.0605.5230)

COMM 1335 Survey of Radio and Television (09.0403.5226)

COMM 1336 Television Production I (10.0104.5226)

COMM 1337 Television Production II (10.0104.5226)

COMM 2303 Audio/Radio Production (10.0104.5126)

COMM 2311 News Gathering and Writing I (09.0401.5726) Introduces the basic fundamentals of news writing for all mass media. Students will be instructed in the methods and techniques used for gathering, processing and delivering news in a professional manner. (SCANS 2,7,9) Prerequisites: Basic typing skills and competency in diction and grammar required; TASP competency in reading and writing or consent of instructor. COMM 2315 News Gathering and Writing II (09.0401.5826) (3-0) 3 hours Continuation of the news gathering and writing sequence. Specialized news story forms will be highlighted with an emphasis on advanced reporting techniques. Students will write stories for broadcast during the news programs on KOCV-FM. (SCANS 7.9) Prerequisites: TASP competency in reading and writing or consent of the instructor. **COMM 2331 Announcing for Radio and Television** (23.1001.6126) Helps prepare the student for a career in voice talent for radio and television. Includes proper pronunciation, articulation, interviewing, reading of news and commercial copy and announcing music and sports. (SCANS 1,6,9,11) Prerequisites: COMM 1307 or COMM 1335 or consent of instructor; TASP competency in reading and writing or consent of instructor. COMM 2120, 2121, 2122 Practicum in Electronic Media (09.0701.5326) Provides framework for student participation at KOCV-FM, the college radio station. Requires working as a team member for a minimum of five hours per week at the station and attending a weekly staff meeting designed to keep students abreast of happenings at the station and in the industry. Lab fee required. (SCANS 5,8,9,10,11) Prerequisites: COMM 1307 or COMM 1335 or consent of the KOCV-FM station manager; TASP competency in reading and writing or consent of instructor. COMM 2220 Practicum in Electronic Media (09.0701.5326) This radio option practicum is designed to allow students to tailor their Odessa College experience to their future career goals in audio/radio. Students may choose practicum experience at various local radio stations or produce specific projects. Lab fee required. (SCANS 5,8,9,10,11) Prerequisites: TASP competency in reading and writing or consent of instructor, successful completion or current enrollment in another broadcasting course and approval of the faculty advisor and prospective practicum site management. COMM 2324 Practicum in Electronic Media (09.0701.5326) (1-10) (eight weeks) 3 hours This radio option practicum is designed to allow students to tailor their Odessa College experience to their future career goals in audio/radio. Students may choose practicum experience at various local radio stations or produce specific projects. Lab fee required. (SCANS 5,8,9,10,11) Prerequisites: TASP competency in reading and writing or consent of instructor, successful completion or current enrollment in another broadcasting course and approval of the faculty advisor and prospective practicum site management. COMM 2325 Practicum in Electronic Media (09.0701.5326)

College experience to their future career goals in television/video production. Students may choose practicum experience at various local television stations or produce specific projects. Lab fee required. (SCANS 5,8,9,10,11) Prerequisites: TASP competency in reading and writing or consent of instructor; successful completion or current enrollment in another broadcasting course and approval of the faculty advisor and prospective practicum site management.

COMM 2326 Practicum in Electronic Media (09.0701.5326)

Mathematics

Faculty: George Brewer, chair; Jim Camp, Dr. James Fields, Dr. Stephanie Kern, Yancy Nuñez, Dr. Glynna Strait, Margaret Street, Dr. Charles Sweatt.

The mathematics department is guided by the following objectives: (1) preprofessional training for mathematicians and teachers of mathematics; (2) preparation of students for further study of science, engineering, industry and business; (3) adequate mathematical training for students in occupational-technical programs; (4) mathematical offerings suitable for the student seeking a well-balanced, liberal education and (5) provision for students seeking to remove deficiencies or desiring to refresh their knowledge from previous training. Students are responsible for checking the catalog of the senior college or university to which they plan to transfer to determine which of these courses are compatible with that institution's degree plan.

Course of Study for Associate in Science Degree Mathematics

	Semester Hrs
General Education Requirements	41
General Education Requirements	3
ENGL 1302 Composition and Literature	3
ENGL (sophomore level)	
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877	
HIST 1302 U.S. History from 1877	3
Lab Science	
*PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking	3
Major Requirements	18
**MATH 1348 Analytic Geometry	3
MATH 2313 Calculus I	
MATH 2314 Calculus II	3
MATH 2315 Calculus III	3
MATH 2318 Linear Algebra	
MATH 2320 Differential Equations	

Related Requirements
Total Semester Hours 63
*PHED 1100 should be the first course taken in physical education.
**Students not prepared for MATH 1348 Analytic Geometry should enroll in MATH 1316 Plane Trigonometry or a lower-level math course before enrolling in MATH 1348. Preregistration testing is available for placement aid for students planning to take MATH 0371, MATH 0372, TMTH 1370, MATH 0375, MATH 1371, MATH 1372, MATH 1314 or MATH 1332.
Mathematics Courses
MATH 0171 Fundamental Math (32.0104.5137)
(0-1)
MATH 0172 Algebra — Graphing and Equations (32.0104.5137) (0-1)
MATH 0173 Algebra — Operations and Quadratics (32.0104.5137) (0-1)
MATH 0174 Geometry and Problem Solving (32.0104.5137) (0-1)
3,4,8,9) Prerequisite: Consent of the instructor.

MATH 0371 Basic Mathematics (32.0104.5137)

MATH 0372 Introductory Algebra (32.0104.5137)

TMTH 1370 Technical College Mathematics

MATH 0375 Intermediate Aigebra (32.0104.5237)

MATH 1314 College Algebra (27.0101.5437)

MATH 1316 Plane Trigonometry (27.0101.5337) applications, variations of functions with changes in angles, trigonometric equations, identities, solutions of oblique triangles and applications, logarithmic functions, inverse functions and complex numbers. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning and problem solving. The student should be able to probe for mathematical meaning and, perhaps, describe these meanings to others. (SCANS 3,8,9,11) Prerequisite or corequisite: MATH 1314 or equivalent competency, or an independent school district/OC concurrent enrollment form. MATH 1324 Mathematical Analysis for Business I (27.0301.5237) (3-0) 3 hours Develops quantitative methods of analysis for business problems. Includes study of set theory, symbolic logic, mathematical relationships, vectors and matrices, breakeven interpretations, linear programming, probability and expected value as aids in formulating business decisions. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning and problem solving. (SCANS 3,8,9) Prerequisite: MATH 0375 passed with a "C" or better, high school algebra II, or equivalent competency. MATH 1325 Mathematical Analysis for Business II (27.0301.5237) Includes elementary calculus of differentiation, integration and application. Emphasizes application to business and economic problems. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning and problem solving. The student should be able to probe for mathematical meaning and, perhaps, describe these meanings to others. (SCANS 3,8,9,11) Prerequisite: MATH 1324. MATH 1332 Structures of College Mathematics I (27.0101.5137) concepts of mathematics and problem solving. The student will learn to select appropriate mathematical techniques and technologies and use these skills in problem solving. Students will develop and/or discover mathematical relationships. This course is designed primarily for liberal arts and education majors, (SCANS 3,8,9,11) Prerequisite: MATH 0375 or high school algebra II or passing score on TASP math section. MATH 1333 Structures of College Mathematics II (27.0101.5137) (3-0) 3 hours Topics covered will include algebra, geometry, measurement, and an introduction to probability and statistics. The student will learn to select appropriate mathematical techniques and technologies and use these skills in problem solving. The students will develop and or discover mathematical relationships. This course is designed primarily for liberal arts and education majors. (SCANS 3,8,9,11) Prerequisites: MATH 1332 or MATH 0375 or satisfactory placement score. MATH 1342 Mathematical Statistics (27.0501.5137) (3-0) 3 hours Introduces elements of statistics. Includes frequency distributions, measures of central tendency, elementary probability, binomial distribution, measures of variation, normal distributions, random sampling, tests of significance, t-test and chisquare test. The student will learn to select appropriate mathematical techniques and technologies and use skills in information organizing, processing, planning and problem solving. Recommended for students in education, social science and

physical science as well as mathematics. (SCANS 3,6,8,9) Prerequisite: MATH

0375 passed with a "C" or better or satisfactory placement score.

MATH 1348 Analytic Geometry (27.0101.5537)

MATH 1372 Technical College Algebra (27.0101.5437)

MATH 1442 Business Statistics (27.0501.5137)

MATH 2313 Calculus I (27.0101.5937)

MATH 2314 Calculus II (27.0101.5937)

MATH 2315 Calculus III (27.0101.5937)

MATH 2318 Linear Algebra (27.0101.6137)

MATH 2320 Differential Equations (27.0301.5137)

Medical Lab Technology (see Clinical Laboratory Sciences)

Metal Trades Technologies

Faculty: Galen Ballard, chair.

Two options are available to students in the metal trades technologies program.*

The industrial machinist option (66 hours) is designed to provide students a broad background of basic knowledge in the field of mechanical design and production. Skills are developed in the operation of machine tools, in layout and in blueprint reading so as to provide students with sufficient knowledge for entry employment in the trade.

The industrial welding option (65 hours) provides the student with sufficient skill in electric arc and gas welding procedures for entry employment in these occupations. Students completing the associate degree program will have sufficient background in mathematics, communications, blueprint reading, and layout to interpret engineers' plans and instructions, and to work as a supporting technician with minimum orientation.

*While a certificate of technology with an emphasis in either machine or welding technology will prepare the student to be an effective employee, the associate in applied science degree provides the necessary educational background for advancing to positions of even greater responsibility in the industry.

Course of Study for Associate in Applied Science Degree Metal Trades Technologies

	Semester Hrs
General Education Requirements for all options	17
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government or	
GOVT 2302 American National Government	3
MATH 1314 College Algebra or	-
MATH 1372 Technical College Algebra or	
MATH 1332 Structures of college mathematics	3
*PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	3

Elective (for welding degree only)3	
Technical Core 18	
DRAF 1401 Technical Drafting I or	
DRAF 2408 Computer Aided Drafting (for machinist degree only)	
MACH 1401 Basic Machine Shop Fundamentals	
PETR 1300 Petroleum Overview	
WELD 1401 General Welding	
•	
and one of the following two options	
Industrial Machinist Option Semester Hrs	ì
Major Requirements	
MACH 1402 Machines and Their Operations I 4	
MACH 1403 Machines and Their Operations II	
MACH 2377 Cooperative Work Experience	
MACH 2401 Advanced Machine Tool Operations I	
MACH 2402 Advanced Machine Tool Operations II	
MACH 2403 Metallurgy	
MACH 2404 CNC Programming and Application Two-Axis Latine	
Industrial Welding Option	
Semester Hrs	•
WELD 1402 Intermediate Shielded-Metal Arc Welding	
WELD 1403 Basic Layout	
WELD 2377 Cooperative Work Experience	
WELD 2401 Advanced Shielded-Metal Arc Welding 4	
WELD 2402 Gas Metal Arc Welding 4	
WELD 2403 Metallurgy 4	
WELD 2404 Gas Tungsten Arc Welding4	
Total Semester Hours for Welding Degree 65	
Total Semester Hours for Machinist Degree	
*PHED 1100 should be the first course taken in physical education.	
Certificates of Technology in Metal Trades Technologies	
Certificates of technologies are available in the following job-specific fields. See the program chairman for course requirements and Permian Basin job opportunities.	
Level I certificates are TASP-waived.	
<u>Level I - Computerized Numerical Control Programmer Option</u> Semester Hrs	í
COSC 1301 Introduction to Computer Systems	
DRAF 1401 Technical Drafting Lor DRAF 2408 Computer Aided Drafting 4	
MACH 1401 Basic Machine Shop Fundamentals	
MACH 2404 CNC Programming and Application Two-Axis Lathe 4	
MACH 2405 CNC Programming and Application Three-Axis Mill 4	
MATH 1372 Technical College Algebra or	
MATH 1314 College Algebra <u>or</u> MATH 1332 Structures of College Mathematics II	
Total Semester Hours25	

<u>Level I - Milling Machine Operator Option</u> Semester Hrs
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing
DRAF 1401 Technical Drafting I or DRAF 2408 Computer Aided Drafting 4
MACH 1401 Basic Machine Shop Fundamentals4
MACH 1401 Basic Machines & Their Operations4
MACH 1402 Machines at Their Operations
MACH 1403 Machines and Their Operations
MACH 2401 Advanced Machine 1001 Operations 1
MATH 1372 Technical College Algebra <u>or</u>
MATH 1314 College Algebra of Mathematics II
Total Semester Hours
<u>Level I - Engine Lathe Operator Option</u> Semester Hrs
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing
DRAF 1401 Technical Drafting I or DRAF 2408 Computer Aided Drafting 4
MACH 1401 Basic Machine Shop Fundamentals4
MACH 1402 Machines and Their Operations 4
MACH 2401 Advanced Machine Tool Operations I 4
MATH 1372 Technical College Algebra or
MATH 1314 College Algebra or
MATH 1332 Structures of College Mathematics II 3
Total Semester Hours
Total Seriester nouls
Level I - General Welder Option Semester Hrs
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing
DRAF 1401 Technical Drafting I
MATH 1372 Technical College Algebra or
MATH 1372 Technical College Algebra <u>or</u>
MATH 1332 Structures of College Mathematics II
WELD 1401 General Welding4
WELD 1402 Intermediate Shielded-Metal Arc Welding
•
Total Semester Hours 18
Level I - Fitter Welder Option
Semester Hrs
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing
DRAF 1401 Technical Drafting I
MATH 1372 Technical College Algebra or
MATH 1314 College Algebra or
MATH 1332 Structures of College Mathematics II
WELD 1401 General Welding4
WELD 1402 Intermediate Shielded-Metal Arc Welding4
WELD 1403 Basic Layout4
Total Semester Hours22
Total Selliester Hours
<u>Level I - Certified Welder Option</u> Semester Hrs
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing
DRAF 1401 Technical Drafting I
MATH 1372 Technical College Algebra or
MATH 1314 College Algebra <u>or</u>
MATH 1314 College Algebra of Mathematics II
matti 1992 Structures of College Mathematics II

_		191
	WELD 1401 General Welding	4
	WELD 1402 Intermediate Shielded-Metal Arc Welding	A
	WELD 1402 Intermediate Shielded-Metal Arc Welding	
	WELD 2401 Advanced Shielded-Metal Arc Welding	
	•	
	Total Semester Hours	26
. —	Level I - Pipe Welding Foreman Option	
		ester Hrs
	ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	
	DRAF 1401 Technical Drafting I	4
	MATH 1372 Technical College Algebra or	
	MATH 1314 College Algebra or	•
	MATH 1332 Structures of College Mathematics II	
	WELD 1401 General Welding	4
_	WELD 1402 Intermediate Shielded-Metal Arc Welding	
. 👚	WELD 1403 Basic Layout	4
	WELD 2401 Advanced Shielded-Metal Arc Welding	
	WELD 2402 Gas Metal Arc Welding	4
	WELD 2404 Gas Tungsten Arc Welding	4
	Total Semester Hours	34
	Level II - Machinist Option	
_	COSC 1301 Introduction to Computer Systems	ester Hrs
	TNOL 1001 Composition and Displace of TNOL 1010 Page of Meliting	3
	ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing DRAF 1401 Technical Drafting I or DRAF 2408 Computer Aided Drafting	3
	MACH 1401 Basic Machine Shop Fundamentals	4
	MACH 1407 basic Machine Shop Fundamentals	
	MACH 2377 Cooperative Work Experience	3
	MACH 2401 Advanced Machine Tool Operations I	4
_	MACH 2403 Metallurgy	
	MACH 2404 CNC Programming and Application Two-Axis Lathe	4
	MACH 2405 CNC Programming and Application Three-Axis Mill	4
	MATH 1372 Technical College Algebra or	
	MATH 1314 College Algebra or	
	MATH 1332 Structures of College Mathematics II	3
	WELD 1401 General Welding	4
	Total Semester Hours	
. –	Total Selliester Modrs	***********
	Level II - Machine Shop Foreman Option	
		ester Hrs
	COSC 1301 Introduction to Computer Systems	3
	ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	3
	DRAF 1401 Technical Drafting I or 2408 Computer Aided Drafting	4
	MACH 1401 Basic Machine Shop Fundamentals	
=	MACH 1402 Machines & Their Operations	
	MACH 1403 Machines and Their Operations	
	MACH 2377 Cooperative Work Experience	
	MACH 2403 MetallurgyMACH 2404 CNC Programming and Application Two-Axis Lathe	7
	MACH 2404 CNC Programming and Application Two-Axis Latile	4
	OSHA 2395 Industrial Safety	
	MATH 1372 Technical College Algebra or	
4	MATH 1314 College Algebra or	
	MATH 1332 Structures of College Mathematics II	3

WELD 1401 General Welding 4
Total Semester Hours 52
Level II - Welding Machine Operator Option
COSC 1301 Introduction to Computer Systems
Machine Technology Courses
MACH 1401 Basic Machine Shop Fundamentals
(2-6)
MACH 1402 Machines and Their Operations I (2-6)
MACH 1403 Machines and Their Operations II (2-6)

required projects. Students also will learn to work with customers to satisfy their expectations and promote confidence in their work performance and to apply advanced machine practices to their performance. Lab fee required. (SCANS 1,3,4,5,8,9,10) Prerequisite or corequisite: MACH 1402 or consent of department chair.

MACH 2377 Cooperative Work Experience

MACH 2401 Advanced Machine Tool Operations I

MACH 2402 Advanced Machine Tool Operations II

MACH 2403 Metaliurgy

MACH 2404 CNC Programming and Application 2-Axis Lathe

MACH 2405 CNC Programming and Application 3-Axis Mill

Welding Technology Courses

WELD 1401 General Welding

WELD 1402 Intermediate Shielded-Metal Arc Welding

WELD 1403 Basic Layout

WELD 2377 Cooperative Work Experience

WELD 2401 Advanced Shielded-Metal Arc Welding

stainless electrodes. Welds tested by AWS standards. Lab fee required. (SCANS 1,3,4,5,8) Prerequisite: WELD 1402 or consent of department chair.

WELD 2402 Gas Metal Arc Welding

WELD 2403 Metallurgy

WELD 2404 Gas Tungsten Arc Welding

Music

Faculty: Dr. Kathryn Hoppe, chair; Lonnie Clark, Randy Talley, Dr. Charlotte Whitaker.

The Odessa College music department, offering an associate in arts degree in music, provides a high quality academic program and cultural enrichment for all Ector County area residents. Courses and performing organizations supply pre-professional training for the music major, fulfill general education requirements, and offer personal enrichment and enjoyment for area residents. As a service to the community, the department presents performances of faculty, students, and ensembles; hosts area music clinics and competitions; and furnishes performance facilities for area music teachers. The music department is an accredited institutional member of the National Association of Schools of Music, a member of the Texas Association of Music Schools and the Texas Music Educators Association.

Course of Study for Associate in Arts Degree Music

	Seittestei Li
General Education Requirements	38
COSC 1301 Introduction to Computer Systems	
ENGL 1301 Composition and Rhetoric	
ENGL 1302 Composition and Literature	

ENGL (sophomore level) 6 GOVT 2301 U.S. and Texas Government 3 GOVT 2302 American National Government 5 **Foreign Language, Math, or Science 6 HIST 1301 U.S. History to 1877 3 HIST 1302 U.S. History from 1877 3 *PHED (Any two one-hour activity courses) 2 SPCH 1315 Public Speaking 3
Major Requirements
Total Semester Hours 72
*PHED 1100 should be the first course taken in physical education. **Six to eight semester hours in same discipline.
Music Ensemble Courses
MUSI 1121, 1122, 2121, 2122 Concert Band (50.0903.5530) (0-3)
music reading and listening skills and will develop social skills and responsibility through group performance. (SCANS 1,5,10,11) Prerequisite: Consent of the instructor.
MUSI 1133, 1134, 2133, 2134 Orchestra (50.0903.5530) (0-3)
MUSI 1137, 1138, 2137, 2138 Piano Ensemble and Accompanying (50.0903.5630) (0-3)
MUSI 1241, 1242, 2241, 2242 A Cappella Choir (50.0903.5730) (0-6)

and choral literature representing many styles and composers from all periods of music. Participation in all performances expected. Students will enhance their music reading and listening skills and will develop social skills and responsibility through group performance. (SCANS 1,5,10,11) Prerequisite: Admission by audition with acceptance based on musical ability and voice quality.

MUSI 1151, 1152, 2151, 2152 Vocal Ensemble (50.0903.5830)

Music Classes

MUSI 1301 Music Fundamentals (50.0904.5530)

MUSI 1306 Music Appreciation (50.0902.5130)

MUSI 1308, 1309 Introduction to Music Literature (50.0902.5230)

MUSI 1311, 1312 Freshman Music Theory (50.0904.5130)

MUSI 2311, 2312 Advanced Study of Harmony (50.0904.5230)

MUSI 1371, 1372 Piano Literature (50.0902.5230)
MUSI 1371, 1372 Piano Literature (50.0902.5230) (3-0)
MUSI 1160 Italian Diction (50.0908.5330)
(2-0)
MUSI 2160 German Diction (50.0908.5330)
(2-0)
MUSI 2161 French Diction (50.0908.5330)
(2-0)
MUSI 1170, 1171 General Foundations in Music (50.0904.5430)
(0-1/2)
MUSI 1172, 1173 Instrumental Foundations in Music (50.0904.5430)
(0-1/2)
MUSI 1174, 1175 Keyboard Foundations in Music (50.0904.5430)
(0-1/2)
MUSI 1176, 1177 Vocal Foundations in Music (50.0904.5430)
(0-1/2)
musical ability. Emphasizes the necessary skills for satisfactory vocal performance, listening, creating rhythmic responses, and reading music notation. Lab fee required. (SCANS 1,11) Prerequisite: None.
MUSI 1181, 1182, 2181, 2182 Class Piano (50.0907.5130)
(1-2) 1 hour each

Courses for music majors designed to develop basic skills related to playing the piano through both class and individual participation. Begins with fundamental elements of music, including music reading, basic concepts of elementary music theory (melody, rhythm, harmony), chord structure, harmonization, ensemble playing and improvisation. Class taught in state-of-the-art piano lab, using digital keyboards, sequencers and computers. (SCANS 1,5,6,8) Prerequisite: Consent of the instructor.

Private Lessons

Private study of piano, organ, voice, string, brass, woodwind, and percussion instruments is available to all students on both beginning and advanced levels of instruction. Students will develop and/or enhance their music reading and listening skills through practice and performance on their instrument. Music majors will have a one-hour lesson on their major instrument. They may also have a 1/2 hour lesson on a secondary instrument. Non-music majors may have a one-half hour or one-hour lesson. Five hours of practice per week is required for a one-half hour lesson, and 10 hours for a one-hour lesson. (SCANS 1,11) Private instruction fee required. Prerequisite: None.

Non-Music Major Courses

MUAP 1189, 1190, 2189, 2190 Applied Music (50.0 (0-1/2)	903.5430) 1 hour each
MUAP 1289, 1290, 2289, 2290 Applied Music (50.09 (0-1)	903.5430) 2 hours each
 Music Major Cou	rses
MUAP 1201, 1202 Freshman Violin (50.0903.5430) (0-1)	2 hours each
MUAP 2201, 2202 Sophomore Violin (50.0903.5430 (0-1)	
MUAP 1205, 1206 Freshman Viola (50.0903.5430) (0-1)	2 hours each
MUAP 2205, 2206 Sophomore Viola (50.0903.5430) (0-1)	2 hours each
MUAP 1209, 1210 Freshman Cello (50.0903.5430) (0-1)	2 hours each
MUAP 2209, 2210 Sophomore Cello (50.0903.5430 (0-1)) 2 hours each
MUAP 1213, 1214 Freshman Double Bass (50.0903 (0-1)	3.5430) 2 hours each
MUAP 2213, 2214 Sophomore Double Bass (50.090 (0-1)	03.5430) 2 hours each
MUAP 1217, 1218 Freshman Flute (50.0903.5430) (0-1)	2 hours each
MUAP 2217, 2218 Sophomore Flute (50.0903.5430 (0-1)) 2 hours each

MUAP 1221, 1222 Freshman Oboe (50.0903.5430) (0-1)	hours each
MUAP 2221, 2222 Sophomore Oboe (50.0903.5430) (0-1)	hours each
MUAP 1225, 1226 Freshman Bassoon (50.0903.5430) (0-1)	hours each
(0-1)	
MUAP 2229, 2230 Sophomore Clarinet (50.0903.5430) (0-1)	hours each
MUAP 1233, 1234 Freshman Saxophone (50.0903.5430) (0-1)	hours each
MUAP 2233, 2234, Sophomore Saxophone (50.0903.5430) (0-1)	hours each
MUAP 1237, 1238 Freshman Cornet or Trumpet (50.0903.5430) (0-1)	hours each
MUAP 2237, 2238 Sophomore Cornet or Trumpet (50.0903.5430) (0-1)	hours each
MUAP 1241, 1242 Freshman French Horn (50.0903.5430) (0-1)	hours each
MUAP 2241, 2242 Sophomore French Horn (50.0903.5430) (0-1)	hours each
MUAP 1245, 1246 Freshman Trombone or Baritone (50.0903.5430) (0-1)	hours each
MUAP 2245, 2246 Sophomore Trombone or Baritone (50.0903.5430) (0-1)	hours each
MUAP 1253, 1254 Freshman Tuba (50.0903.5430) (0-1)	
MUAP 2253, 2254 Sophomore Tuba (50.0903.5430) (0-1)	hours each
MUAP 1257, 1258 Freshman Percussion (50.0903.5430) (0-1)	hours each
MUAP 2257, 2258 Sophomore Percussion (50.0903.5430) (0-1)	hours each
MUAP 1261, 1262 Freshman Classical Guitar (50.0903.5430) (0-1)	hours each
MUAP 2261, 2262 Sophomore Classical Guitar (50.0903.5430) (0-1)	hours each

MUAP 1265, 1266 Freshman Organ (50.09 (0-1)	
MUAP 2265, 2266 Sophomore Organ (50. (0-1)	0903.5430) 2 hours ea
MUAP 1269, 1270 Freshman Plano (50.09 (0-1)	03.5430) 2 hours ea
(0-1)	0903.5430) 2 hours ea
MUAP 1281, 1282 Freshman Voice (50.090 (0-1)	
MUAP 2281, 2282 Sophomore Voice (50.0 (0-1)	0903.5430) 2 hours ea
MUAP 1165, 1166, 2165, 2166 Secondary (0-1/2)	Organ (50.0903.5430)
MUAP 1169, 1170, 2169, 2170 Secondary (0-1/2)	Piano (50.0903.5430) 1 hour ea
MUAP 1181, 1182, 2181, 2182 Secondary (0-1/2)	Voice (50.0903.5430) 1 hour ea
MUAP 1187, 1188, 2187, 2188 Secondary	Instrument (50.0903.5430)

Nursing RN/LVN/Tech-Prep

Faculty, Odessa: Carol Boswell, chair; Clarice Rowland, assistant director and coordinator of RN-Evening Direct Option Program; Ann Armstrong, Gail Barry, Marylin Boomer, Patty Chapman, Laura Cralle, Wanda Davis, Patty Jordan, Eva Mauldin, Jan Phillips, Pat Ritchey, Robbie Rogers, Lori Wingate.

Faculty, Andrews: Patricia Bayless, chair; Amanda Darling.

Faculty, Kermit: Anne Mitchell, chair; Stacy Wallis.

The curriculum of the Odessa College nursing programs prepares the student for a variety of experiences in health care, including hospitals, home health care services, mental health agencies and occupational care in industry. Nursing is a caring-oriented human experience requiring a well educated nurse. Odessa College nursing programs are designed to allow students maximum flexibility to obtain this education. Options available to complete this goal are listed.

Career Ladder Option - Vocational/Associate Degree Level:

The Career Ladder Option on the Odessa Campus is designed to allow students the option of progressing through the two levels of nursing. Successful completion of the vocational level qualifies the student as an eligible candidate to take the National Council for Licensure Examination (NCLEX) - Practical Nurse (PN). The student will receive a certificate of completion. Successful completion of the associate-degree level qualifies the student as an eligible candidate to take the NCLEX - registered nurse (RN). The student will receive an associate in applied science degree. This option is also available through a six-year curriculum starting as a freshman in high school and continuing through the sophomore year at Odessa College. The vocational option requires two additional courses not reflected in the associate in applied science degree plan.

RN Direct Option-Evening - Associate Degree Level:

The RN Direct Option is designed for students to attend nursing classes and clinicals during evening hours, with the exception of the psychiatric clinicals, which will be offered during daytime hours. Classes are admitted in the fall of even numbered years. Successful completion qualifies the student as a candidate for application to take the National Council for Licensure Examination for the RN. The vocational option is available during the day to the Evening Option student.

Transition/Validation Option for the LVN - Associate Degree Level:

The Transition/Validation Option is designed for persons who are already licensed vocational nurses. The validation course is the initial course which serves to validate and enhance nursing skills. This brings the LVN to the level of the generic nursing student entering the second year of the RN Associate Degree Nursing Program. Upon successful completion of this course, the LVN will receive 17 hours of advanced credit. Successful completion of the second year qualifies the student as a candidate for application to take the National Council for Licensure Examination for the RN.

RN Tech-Prep Career Ladder Option:

The Tech-Prep Career Ladder option provides a six-year curriculum for nursing students, starting with the freshman year in high school and continuing through the sophomore year at Odessa College. It provides a variety of competencies and advanced work in nursing not possible to obtain in two years. These students will have the flexibility to progress through the Career Ladder Option. The vocational option requires two additional courses not reflected in the associate in applied science degree plan.

Nurse Tech I Option:

The Nurse Tech I Option is designed for students who complete NURS 1503 and NURS 1504 with a grade of "C" or higher to receive a certificate of completion and to be eligible for application to the registry for the state of Texas as a nurse aide.

Post RN Option:

The Post RN Option provides the student with advanced nursing skills. Four electives (NURS 2341, NURS 2342, NURS 2343 and NURS 2344) may transfer and articulate toward a bachelor of science in nursing degree. The student will receive a certificate of completion.

LVN Option, Andrews and Kermit Extensions:

The LVN Option is designed for those students who wish to complete their education at the vocational level. Successful completion of the vocational level qualifies the student as an eligible candidate to take the National Council for Licensure Examination for PN. The student will receive a certificate of completion.

The associate degree program is accredited by the Board of Nurse Examiners for the State of Texas and the National League for Nursing. The vocational programs are accredited by the Board of Vocational Nurse Examiners for the State of Texas. Curriculum plans are approved by the Texas Higher Education Coordinating Board. Information concerning tuition and fees, and length of the program are available from NLNAC: 350 Hudson Street; New York, NY 90014; 800-669-1656

Admission Requirements for the Career Ladder Option, RN-Evening Option, Transition/Validation for the LVN, and the Tech-Prep/Career Ladder Option:

1. Applications must be submitted by: June 1 for fall admission.

October 1 for spring admission.

- 2. Persons who have been convicted of a felony or misdemeanor or who have a history of substance abuse must request a declaratory order from the Board of Nurse Examiners for the State of Texas prior to admission. Information and documentation must be submitted to the board prior to application for licensure. Eligibility for licensure will be decided by investigation. Persons who have been convicted of a felony will not qualify as an eligible candidate to take the National Council for Licensure Examination (NCLEX) Practical Nurse (PN).
- 3. Prerequisites:

BIOL 2401, Anatomy and Physiology I

(must have completed within last five years.)

BIOL 2402, Anatomy and Physiology II

(must have completed within last five years.)

MATH 1332 Structures of College Mathematics or higher level math NURS 1201, Pharmacology

- 4. College cumulative GPA 2.0 or higher in all courses.
- 5. Official high school transcript or GED.
- 6. Passed TASP and/or satisfactory scores on ASSET placement tests.
- 7. A score of the 50th percentile or higher on the nursing entrance exam.
- 8. Current CPR Certification in Basic Life Support for Professionals (American Heart Association Course C or Red Cross Basic Life Support for the Professional).
- Proof of health and accident insurance and professional liability coverage. Students wishing to apply for admission or persons seeking additional information should contact the counseling center at Odessa College.

Admission Requirements for LVN Option, Andrews and Kermit Extensions:

- 1. Official high school transcript or GED.
- 2. College cumulative GPA of 2.0 or higher in all course work.
- 3. A satisfactory score on the Vocational Nursing Entrance Exam.
- 4. Current CPR certification (American Heart Association Course C or American Red Cross Basic Life Support for the Professional).
- 5. Persons who have been convicted of a felony will not qualify as an eligible

candidate to take the National Council for Licensure Examination (NCLEX) - Practical Nurse (PN).

6. Applications should be submitted no later than May 1 for fall admission. Although English language proficiency is not required for admission to the nursing options, successful completion of the program necessitates good communication skills in English. There is no discrimination due to age, sex, color, race, cultural or ethnic background, or national origin.

The nursing programs focus on the nursing care of clients with common health problems. Clinical experience is concurrent within each course and includes medical, surgical, obstetrical, pediatric, psychiatric, geriatric nursing experiences and special selected services. All courses in the curriculum are required. A general education course may be required prior to some nursing courses.

Students must complete the outcome competencies for each level with a minimum of "C" in nursing courses and general education courses before progressing to the next semester. A grade of "D" or "F" is unacceptable. Students must maintain a cumulative GPA of 2.0 or above in all course work each semester.

Nursing students are required to maintain coverage in health and accident insurance. Professional liability insurance is mandatory.

Nursing students are responsible for their own transportation to clinical facilities. The nursing department assumes no responsibility for students employed in an agency. Students are personally responsible and liable for any activity participated in while employed. Professional liability insurance purchased by students is valid in the student role and not in the employment role.

RN - Career Ladder Option - Vocational/Associate Degree Level

The Career Ladder Nursing Option is designed to allow adult students who did not enter the high school program maximum flexibility in education. They have the option of progressing through the two levels of nursing. The vocational level prepares the vocational nurse, and the associate-degree level prepares the associate degree nurse. All nursing students must have current CPR certification and are governed by policies in the Nursing Student Handbook.

Certificate of Completion

	Semester Hr
Prerequisite/Bridge Courses	13
BIOL 2401 Anatomy and Physiology I	4
BIOL 2402 Anatomy and Physiology II	4
MATH 1332 Structures of College Mathematics I or higher level math	3
NURS 1201 Pharmacology	
NONS 1201 Friamacology	2
First Year	
Summer Session II	
*PHED 1100 Lifestyle Assessment and Modification	1
SPCH 1315 Public Speaking	3
First Semester	
	_
PSYC 2308 Child Psychology	3
NURS 1102 Adult Assessment	1
NURS 1503 Fundamentals of Nursing	5
NURS 1504 Fundamentals of Nursing Clinical	5
Second Semester	
COSC 1301 Introduction to Computer Systems	3
NURS 1306 Nursing Clinical I	3
NURS 1805 Care of Adult Populations	
NUND 1000 Cale of Addit Fopulations	8

Summer Sessions I and II	
**NURS 1222 Nursing Clinical II	2
**NURS 1821 Nursing Care I	8
**Vocational level (These courses are optional.)	
Students who successfully complete the vocational level with a cubetter in all course work are eligible to take the state board examina vocational nurse and receive a certificate of completion.	mulative GPA of 2.0 c nation for licensure as

Second Year

	Semester Hrs
First Semester	
BIOL 2420 Microbiology	4
ENGL 1301 Composition and Rhetoric	3
NURS 2807 Nursing Care of Select Populations I	8
Second Semester	
GOVT 2301 U.S. and Texas Government	3
NURS 2808 Nursing Care of Select Populations II	8
PHED one-hour activity course	1
Total Hours	72
Objection to administrate and another annual design design design.	

Students planning to enter the associate-degree level may take an additional academic course from the curriculum for the second year.

Students successfully completing the associate-degree level are eligible to take the state board examination for licensure as a registered nurse.

*PHED 1100 should be the first activity course taken in physical education.

RN Associate Degree Nursing Program-Evening Option

The Odessa College RN Evening Option offers adult students who did not enter the high school program a sequence of evening classes leading to an associate in applied science degree and preparation to take the licensing examination for a registered nurse. Nursing courses begin in the fall semester of even numbered years. Psychiatric clinical experiences may be held during day hours. Prior to entering the nursing courses, the student must have completed the prerequisite/bridge course requirements designated in the curriculum and be currently certified in CPR. All students are governed by policies in the Nursing Student Handbook. The vocational nursing courses are available to the Evening Option students during the day.

	Semester	Hrs
Prerequisite/Bridge Courses		
BIOL 2401 Anatomy and Physiology I	4	
ENGL 1301 Composition and Rhetoric		
MATH 1332 Structures of College Mathematics I or higher level math	3	
*PHED 1100 Lifestyle Assessment and Modification		
SPCH 1315 Public Speaking		
BIOL 2402 Anatomy and Physiology II		
COSC 1301 Introduction to Computer Systems		
PHED one-hour activity course		
PSYC 2308 Child Psychology		
BIOL 2420 Microbiology		
GOVT 2301 U.S. and Texas Government	3	
NURS 1201 Pharmacology		

206 First	fear Semester Hrs
First Semester NURS 1102 Adult Assessment NURS 1503 Fundamentals of Nursing NURS 1504 Fundamentals of Nursing Cli	5
Second Semester NURS 1306 Nursing Clinical I NURS 1805 Care of Adult Populations	3 8
Summer Session I and II **NURS 1222 Nursing Clinical II **NURS 1821 Nursing Care I	2
**Vocational level (These courses are optional	al.)
Third	
First Semester	Semester Hrs
NURS 2807 Nursing Care of Select Pop	ulations I8
Second Semester NURS 2808 Nursing Care of Select Pop	ulations II 8
Total Hours	72
*PHED 1100 should be the first course taken	In physical education.
Transition/Validation Option for th	_
Prior to taking the transition/validation co licensed to practice nursing in the state of Tex- transition/validation course, students will follo career ladder program. All nursing students r governed by policies in the Nursing Student F	w the curriculum for the upper level of the must have current CPR certification and are
	Semester Hrs
Prerequisite Courses BIOL 2401 Anatomy and Physiology I BIOL 2402 Anatomy and Physiology II COSC 1301 Introduction to Computer Sy MATH 1332 Structures of College Mather NURS 1201 Pharmacology (or consent of PSYC 2308 Child Psychology	stems
First Semester	fear
ENGL 1301 Composition and Rhetoric *NURS 1601 Transition/Validation **PHED 1100 Lifestyle Assessment and I SPCH 1315 Public Speaking	6 Modification
Second Semester BIOL 2420 Microbiology NURS 2807 Nursing Care of Select Popu	4

Second Year
First Semester
GOVT 2301 U.S. and Texas Government3
NURS 2808 Nursing Care of Select Populations II
*When students have successfully completed NURS 1601, they are eligible to enter the second year of the curriculum.
**PHED 1100 should be the first activity course taken in physical education.
RN Tech Prep/Career Ladder Option
Adult students who did not follow the RN Tech Prep/Career Ladder option during high school should follow either the RN Career Ladder option found on page 195 or the RN Evening option found on page 196.
Semester Hrs
*Prerequisite Courses16
BIOL 2401 Anatomy and Physiology I
COSC 1301 Introduction to Computer Systems
MATH 1332 Structures of College Mathematics I or higher level math
NURS 1201 Pharmacology
* Graduates of the high school tech-prep nursing program will have completed the prerequisite courses or equivalent competencies prior to graduation.
First Year
Summer Session II SPCH 1315 Public Speaking3
First Semester
ENGL 1301 Composition and Rhetoric3
NURS 1102 Adult Assessment
NURS 1503 Fundamentals of Nursing5
NURS 1504 Fundamentals of Nursing Clinical5
Completers of NURS 1503 and 1504 with a grade of "C" or higher are eligible to receive a certificate of completion as a Nurse Tech I and are eligible for employment at the aide level.
Second Semester
NURS 1306 Nursing Clinical I
NURS 1805 Care of Adult Populations8
PSYC 2308 Child Psychology 3
Summer Sessions I and II
NURS 1222 Nursing Clinical II
NURS 1821 Nursing Care I 8
Completers of NURS 1821 with a grade of "C" or higher are eligible to (a) receive an LVN certificate of completion, (b) take the state board examination for licensure as a vocational nurse, and (c) enter the associate-degree level without completion of NURS
1601.
Second Year
Semester Hrs
First Semester
BIOL 2420 Microbiology4
NURS 2807 Nursing Care of Select Populations I

Second Semester GOVT 2301 U.S. and Texas Government
Students successfully completing the associate-degree level program are eligible to receive an associate degree in nursing and take the state board examination for licensure as a registered nurse. Academic courses listed in the second year may be taken earlier if the student's schedule and abilities allow.
LVN Option - Andrews and Kermit Extensions
The LVN Option is offered at the Andrews and Kermit extension sites. It is designed for those students who wish to complete their education at the vocational level. Successful completion of the vocational level qualifies the student as an eligible candidate to take the National Council for Licensure Examination for PN. The student will receive a certificate of completion from Odessa College.
Semester Hrs
First Semester NURS 1611 Vocational Nursing I
Second Semester NURS 1613 Vocational Nursing III
Summer Session NURS 1615 Vocational Nursing V6
Nursing Courses
NURS 1102 Adult Assessment (4-0) [14 weeks]
NURS 1201 Pharmacology (1-3) [16 week]
NURS 1222 Nursing Clinical II (0-6) [16 weeks]

personal and vocational adjustment to the VN role. (SCANS 1,2,3,4,5,6,8,9,10,11) Prerequisite: NURS 1805.

NURS 1306 Nursing Clinical I

NURS 1503 Fundamentals of Nursing

NURS 1504 Fundamentals of Nursing Clinical

NURS 1601 Transition/Validation

NURS 1611 Vocational Nursing I

physical assessments; prioritize client needs to implement plans of care; and document nursing activities to communicate information for further evaluation of the client response. (SCANS 1,2,4,5,6,7,8,9) Prerequisite: None. Corequisite: NURS 1612.

NURS 1612 Vocational Nursing II

NURS 1613 Vocational Nursing III

NURS 1614 Vocational Nursing IV

NURS 1615 Vocational Nursing V

NURS 1805 Care of Adult Populations

care of adults with cardiovascular, endocrine, GI/GU, immunological, neurological, oncological, orthopedic, renal and respiratory alterations. Utilizes the nursing process in critical pathways. Administers medications and treatments following established protocols. Utilizes computer assignments to compliment theory. (SCANS 1,2,3,4,5,6,8,9,10,11) Prerequisites: NURS 1503 and NURS 1504.

NURS 1821 Nursing Care

vocational adjustment. Utilizes computer assignments to compliment theory. (SCANS 1,2,5,6,710,11) Prerequisite: NURS 1805.

NURS 2341 Legal/Ethical Issues (Elective)

NURS 2342 Physical Assessment (Elective)

NURS 2343 Rural/Home Health Nursing (Elective)

NURS 2344 Critical Care Nursing (Elective)

NURS 2807 Nursing Care of Select Populations

NURS 2808 Nursing Care of Select Populations II

Occupational Safety and Health Technology

Faculty: J.D. Roberts, chair; Lynn Reese.

The occupational safety and health technology degree is designed for people entering the safety and/or environmental department within their company or for those who seek employment in this demanding field. The two-year program is designed to equip the safety/environmental professional with the tools needed to keep his/her company in compliance with current regulatory agencies and to create a safe and healthy work environment for all employees, including those working in oil and gas, nursing homes, grocery and retail stores, etc.

Course of Study for Associate in Applied Science Degree Occupational Safety and Health Technology

General Education Requirements23 GOVT 2301 U.S. and Texas Government3 MATH 1314 College Algebra or MATH 1372 Technical College Algebra......3 MGMT 2304 Personnel and Human Relations or PSYC 2302 Applied Psychology 3 *PHED (any two one-hour activity courses)......2 SPCH 1315 Public Speaking or OSHA 1310 Instrumentation and Analysis3 OSHA 1315 Process Safety Management3 OSHA 1320 Industrial Hygiene3 OSHA 2393 Safety Assessment3 OSHA 2395 Industrial Safety3 OSHA 2396 Hazardous Waste and Emergency Response 3 OSHA 2398 Environmental Issues: EPA3 OSHA 2398 Environmental Issues: Behavioral Safety......3

	EMED 1501 Basic Emergency Care
	Total Semester Hours67
-	*PHED 1100 should be the first course taken in physical education.
	Course of Study for Certificate of Technology
-	Level I certificates are TASP-waived.
	Level I — Occupational Safety and Health Technology
	Compared Education Regularments
	General Education Requirements
_	Major Requirements21
	OSHA 1300 Industry Overview
	OSHA 1310 Instrumentation and Analysis
	OSHA 2377 Cooperative Work Experience
	OSHA 2396 Hazardous Waste and Emergency Response
	Related Requirements
	PETR 1380 Computers for Petroleum
	Total Semester Hours30
	Occupational and Safety and Health Technology Courses OSHA 1300 Industrial Overview
	(3-0)
_	OSHA 1305 Introduction to Safety and Health
	(3-0)
	management and communication skills while working within a safety and health group. Within this group, students will be responsible for effective allocation of resources and group monitoring of team decisions. (SCANS 1,4,5,6,9,10,11) Prerequisite: None.
	OSHA 1310 Instrumentation and Analysis
	(3-1)

Related Requirements......8

environment. Lab fee required. (SCANS 1,2,3,6,8,9) Prerequisite: OSHA 1305 or consent of the department chair.

OSHA 1315 Process Safety Management

OSHA 1320 Industrial Hygiene

OSHA 2377 Cooperative Work Experience

OSHA 2390 Environmental Regulations

OSHA 2393 Safety Assessment

OSHA 2395 Industrial Safety

communication skills while working within a safety environmental team. Within this team environment, students will be responsible for effective allocation of resources and group monitoring of team decisions. Lab fee required. (SCANS 4,5,6,7,8,9,10,11) Prerequisite: None.

OSHA 2396 Hazardous Waste and Emergency Response

OSHA 2398 Environmental Issues

Oesigned for industrial, manufacturing and technical workers where state/federal regulations require industrial safety training. Course competencies include critical safety and environmental issues in business and industry as well as related regulations and proper responses. Course covers RRC and SWR, related to drilling, production, waste prevention, pollution and public safety. Students will be required to exhibit problem-solving, self-management and communication skills while working within a safety environmental team. Within this team environment, students will be responsible for effective allocation of resources and group monitoring of team decisions. (SCANS 4,5,6,7,8,9,10,11) Prerequisite: None.

Office Systems Technology

Faculty: Nancy Stewart, chair; Tambi Arnold, Billie Duncan.

The office systems technology program is designed to provide students with an intensive training in up-to-date technological skills for immediate employment in the business or medical office. The program also offers students the opportunity to upgrade their skills in the most recent software in order to obtain better employment.

The office systems technology associate in applied science degree is offered with an emphasis in office systems technology or medical. This degree provides students with a broad knowledge of office procedures and applications in the computer and other automated equipment.

Course of Study for Associate in Applied Science Degree Office Systems Technology

Students not graduating under the tech-prep high school graduation plan must take the 14 semester hours marked with an (*) as part of the office systems technology curriculum—articulation, advanced standing exam, approval of department chair, or regular enrollment at OC.

MATH 1324 Mathematical Analysis for Business <u>or</u> MATH 1372 Technical College Algebra	
**PHED (any two one-hour activity courses)	}
SPCH 1315 Public Speaking or 1321 Business and Professional Speech 3	3
Major Requirements 47	7
OFST 1401 Data Entry/Business Calculations	ļ
OFST 1402 Business Language Skills	ļ ·
*OFST 1404 Beginning Word Processing	Į.
OFST 1406 Basic Spreadsheet4	Į.
*OFST 1421 Keyboarding and Document Preparation or	
OFST 1422 Business Productions	Į.
OFST 1422 Business Productions or	
OFST 2410 Advanced Business Productions	\$
*OFST 1424 Office Bookkeeping	
OFST 2377 Cooperative Work Experience	3
OFST 2410 Advanced Business Productions or	
OFST 2410 Advanced Business Productions or OFST 2402 Information Processing	Į.
OFST 2401 Advanced Word Processing and Internet Access	Į.
OFST 2420 Business Communication	ļ
OFST 2421 Office Procedures	
Related Requirements	3
BUSI 1301 Introduction to Business or	
MGMT 1301 Introduction to Management	3
MGMT 2304 Personnel and Human Relations	3
T-4-1 O	
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*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education.)
*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology)
*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level I certificates are TASP-waived.)
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*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level I certificates are TASP-waived. Level I - Office Clerk	r Hre
*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level certificates are TASP-waived. Level - Office Clerk Semeste: Major Requirements	r Hrs
*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level certificates are TASP-waived. Level - Office Clerk Semeste: Major Requirements	r Hrs 3
*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level I certificates are TASP-waived. Level I - Office Clerk Semeste: OFST 1401 Data Entry/Business Calculations	r Hrs 3
*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level I certificates are TASP-waived. Level I - Office Clerk Semeste: OFST 1401 Data Entry/Business Calculations	r Hrs 3
*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level I certificates are TASP-waived. Level I - Office Clerk Semeste: Major Requirements	r Hrs 3 1
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*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level I certificates are TASP-waived. Level I - Office Clerk Semeste Major Requirements	r Hrs 3 1 1
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*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level I certificates are TASP-waived. Level I - Office Clerk Semeste Major Requirements	r Hrs 3 1 1 1
*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level I certificates are TASP-waived. Level I - Office Clerk Semester Major Requirements	r Hrs 5 1 1 1 1 1 3 3
*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level I certificates are TASP-waived. Level I - Office Clerk Semeste Major Requirements	r Hrs
*Indicates courses which may be articulated by agreement with high school. **PHED 1100 should be the first course taken in physical education. Course of Study for Certificate of Technology Level I certificates are TASP-waived. Level I - Office Clerk Semeste Major Requirements	r Hrs

Level II - Office Assistant

The 22 semester hours specified in level I—office clerk certificate—plus the following courses:

Major Requirements	21
Major Requirements OFST 1402 Business Language Skills	4
OFST 1406 Basic Spreadsheet	4
OFST 1422 Business Productions or	***************************************
OFST 2410 Advanced Business Productions	4
OFST 2377 Cooperative Work Experience	
OFST 2401 Advanced Word Processing and Internet Access	4
OFST 2402 Information Processing or	
OFST 2410 Advanced Business Communications	4
OFST 2420 Business Communications	4
OFST 2421 Office Procedures	
General Education Requirements	3
MATH 1314 College Algebra or	
MATH 1324 Mathematical Analysis for Business or	
MATH 1372 Technical College Algebra	3
Total Semester Hours	56
A total of 56 semester hours and a minimum grade point average of 2.0 a level II certificate.	are required for

Level III (Advanced Skills Certificate) Office Management Specialist

Students may earn a level III certificate—advanced skills certificate—office management specialist by completing the following requirements.

	Semester Hrs
Major Requirements	4
OFST 2402 Information Processing or	
OFST 2440 Internet and Web Page Skills	4
Related Requirements	6
MGMT 1302 Managerial Functions	3
MGMT 2301 Management Skills Development	3
Total Semester Hours	10

A total of 10 semester hours and a minimum grade point average of 2.0 are required for a level III certificate—advanced skills certificate—office management specialist. Level III certificate may only be awarded along with or following completion of an associate or higher-level degree.

Course of Study for Associate in Applied Science Office Systems Technology Legal Emphasis

Students not graduating under the tech-prep high school graduation plan must take the 14 semester hours marked with an (*) as part of the office systems technology curriculum—articulation, advanced standing exam, approval of department chair or regular enrollment at OC.

Semester Hrs

General Education Requirements	
*COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric or	
ENGL 1312 Report Writing	3

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GOVT 2301 U.S. and Texas Government or	
GOVT 2302 American National Government	3
MATH 1314 College Algebra or	
MATH 1324 Mathematical Analysis for Business or	
MATH 1372 Technical College Algebra	3
**PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	3
Major Requirements	50
OFST 1324 Legal Terminology	3
OFST 1401 Data Entry/Business Calculations	4
OFST 1402 Business Language Skills	4
*OFST 1404 Beginning Word Processing	4
OFST 1406 Basic Spreadsheet* *OFST 1421 Keyboarding and Document Preparation or	4
*OFST 1421 Keyboarding and Document Preparation or	
OFST 1422 Business Productions	4
OFST 1422 Business Productions or	
OFST 2401 Advanced Word Processing and Internet Access or	
OFST 2410 Advanced Business Productions	
*OFST 1424 Office Bookkeeping	4
OFST 2377 Cooperative Work Experience	3
OFST 2415 Legal Transcription	4
OFST 2420 Business Communication	
OFST 2421 Office Procedures	4
OFST 2455 Legal Document Processing	4
	_
Related Requirements	3
MGMT 2304 Personnel and Human Helations	3
Total Sameeter Hours	70
Total Semester Hours	70
	70
**PHED 1100 should be the first course taken in physical education.	70
**PHED 1100 should be the first course taken in physical education.	70
	70
**PHED 1100 should be the first course taken in physical education. Certificates of Completion	70
**PHED 1100 should be the first course taken in physical education.	70
**PHED 1100 should be the first course taken in physical education. Certificates of Completion Level I certificates are TASP-waived	70
**PHED 1100 should be the first course taken in physical education. Certificates of Completion Level certificates are TASP-waived Level —Legal Office Clerk	
**PHED 1100 should be the first course taken in physical education. Certificates of Completion Level I certificates are TASP-waived Level I—Legal Office Clerk	amastar Hrs
**PHED 1100 should be the first course taken in physical education. Certificates of Completion Level / certificates are TASP-waived Level —Legal Office Clerk S Major Requirements	emester Hrs
**PHED 1100 should be the first course taken in physical education. Certificates of Completion Level / certificates are TASP-waived Level I—Legal Office Clerk S Major Requirements OFST 1324 Legal Terminology	emester Hrs 15 3
**PHED 1100 should be the first course taken in physical education. Certificates of Completion Level / certificates are TASP-waived Level I—Legal Office Clerk S Major Requirements OFST 1324 Legal Terminology OFST 1401 Data Entry/Business Calculations	emester Hrs 15 3
**PHED 1100 should be the first course taken in physical education. Certificates of Completion Level / certificates are TASP-waived Level I—Legal Office Clerk S Major Requirements OFST 1324 Legal Terminology OFST 1401 Data Entry/Business Calculations *OFST 1404 Beginning Word Processing	emester Hrs 15 3
**PHED 1100 should be the first course taken in physical education. Certificates of Completion Level / certificates are TASP-waived Level I—Legal Office Clerk S Major Requirements OFST 1324 Legal Terminology OFST 1401 Data Entry/Business Calculations *OFST 1404 Beginning Word Processing *OFST 1421 Keyboarding and Document Preparation or	emester Hrs 15 3 4 4
**PHED 1100 should be the first course taken in physical education. Certificates of Completion Level / certificates are TASP-waived Level I—Legal Office Clerk S Major Requirements OFST 1324 Legal Terminology OFST 1401 Data Entry/Business Calculations *OFST 1404 Beginning Word Processing	emester Hrs 15 3 4 4
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**PHED 1100 should be the first course taken in physical education. Certificates of Completion Level I certificates are TASP-waived Level I—Legal Office Clerk SMajor Requirements OFST 1324 Legal Terminology OFST 1401 Data Entry/Business Calculations *OFST 1404 Beginning Word Processing *OFST 1421 Keyboarding and Document Preparation or OFST 1422 Business Productions General Education Requirements *COSC 1301 Introduction to Computer Systems SPCH 1315 Public Speaking or SPCH 1321 Business and Professional Speech Total Semester Hours	emester Hrs
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Level II—Legal Office Assistant

A total of 21 semester hours specified in level I certificate—legal office clerk—plus the following courses: Major Requirements35 OFST 1402 Business Language Skills4 OFST 1406 Basic Spreadsheet4 OFST 1422 Business Productions or OFST 2401 Advanced Word Processing and Internet Access or *OFST 1424 Office Bookkeeping4 OFST 2421 Office Procedures4 OFST 2455 Legal Document Processing4 General Education Requirements3 MATH 1314 College Algebra or MATH 1324 Mathematical Analysis for Business or MATH 1372 Technical College Algebra3 Total Semester Hours59 A total of 59 semester hours and a minimum grade point average of 2.0 are required for a level II certificate. Level III—Legal Office Technology Specialist Students may earn a level III certificate—advanced skills certificate—legal office technology specialist by completing the following requirements: Semester Hrs Major Requirements4 OFST 2402 Information Processing or OFST 2440 Internet and Web Page Skills4 Related Requirements......6 LEGL 2301 Legal Drafting and Office Procedures3 Total Semester Hours10 A total of 10 semester hours and minimum grade point average of 2.0 for a level III certificate—advanced skills certificate—legal office technology specialist. Level III certificate may only be awarded along with or following completion of associate or higher-level degree. Course of Study for Associate in Applied Science Degree Office Systems Technology—Medical Emphasis Students not graduating under the tech-prep high school graduation plan must take the 14 semester hours marked with an (*) as part of the office systems technology curriculum articulation, advanced standing exam, approval of department chair or regular enrollment at

OC.

	SPCH 1315 Public Speaking or
ŀ	SPCH 1315 Public Speaking <u>or</u> SPCH 1321 Business and Professional Speech
	SPOR 1321 Business and Professional Speech
1	Total Semester Hours
	A total of 23 semester hours and a minimum grade point average of 2.0 are required for
ii	a level I certificate—medical office clerk.
	*Indicates courses which may be articulated by agreement with high school.
	Level II - Medical Office Assistant
	Level II - medical Office Assistant
	The 23 semester hours specified in level I certificate plus the following courses:
1	Semester Hrs
	Major Requirements32
	OFST 1402 Business Language Skills4
	OFST 1406 Basic Spreadsheet4
	OFST 1422 Business Productions or
	OFST 2401 Advanced Word Processing and Internet Access or
	OFST 2410 Advanced Business Productions
	*OFST 1424 Office Bookkeeping
	OFST 22101 Comparative Medical necorateeping (4 weeks)
	OFST 2377 Cooperative Work Experience
	OFST 2408 Medical Transcription 4 OFST 2420 Business Communication 4
	OFST 2421 Office Procedures
	General Education Requirements3
	MATH 1314 College Algebra or
	MATH 1324 Mathematical Analysis for Business or
	MATH 1372 Technical Algebra for Business3
	Total Semester Hours58
	A total of 58 semester hours and a minimum grade point average of 2.0 are required for
	a certificate of technology—medical office technology specialist.
	a certificate of technology—medical office technology specialist.
	Level III (Advanced Skills Certificate) Medical Office Technology Specialist
	· · · · · · · · · · · · · · · · · · ·
	BIOL 2404 Human Anatomy and Physiology4
	OFST 2402 Information Processing or
	OFST 2401 Advanced Word Processing and Internet Access or
	OFST 2440 Internet and Web Page Skills4
	OFST 2417 Advanced Medical Transcription4
	Total Semester Hours12
	A total of 12 semester hours and a minimum grade point average of 2.0 are required for
	level III—advanced skills certificate—medical office technology specialist. Level III
	certificate may only be awarded along with or following completion of associate or
	higher-level degree.
	ungitar tarat daginar
ļ	Office Systems Technology Courses
	OFST 1200 Basic Keyboarding Skills
	(1-2)
	Student will develop a functional skill in touch-method keyboarding on alphanumeric
	keyboard, including numbers and symbols. Designed for student desiring minimal
7	
i	

keyboard skills (approximately 20 wpm) or wanting keyboard review. Will develop skills in reading instructions and accessing keyboarding programs. Lab fee required. (SCANS 1.4.6.9.10) Prerequisite: None.

OFST 1324 Legal Terminology

OFST 1401 Data Entry/Business Calculations

OFST 1402 Business Language Skills

OFST 1404 Beginning Word Processing

OFST 1406 Basic Spreadsheet

OFST 1421 Keyboarding and Document Preparation

OFST 1422 Business Productions

OFST 1424 Office Bookkeeping

OFST 1515 Medical Insurance Coding and Terminology

OFST 2101 Computerized Medical Recordkeeping

OFST 2377 Cooperative Work Experience

OFST 2401 Advanced Word Processing and Internet Access

OFST 2402 Information Processing

of department chair.

OFST 2455 Legal Document Processing

Orientation

Faculty: Mike Tincher, director; Rodney Hernandez, Terri Pease, LaRae Phillips, Rena Ventura-Jackson.

Orientation to Odessa College (ORIE 1100) is designed to assist those new to college in gaining the knowledge necessary to function effectively in a college environment. It covers the policies, rules, regulations and services provided to students as well as the statemandated TASP requirement. First-time students who enroll in nine or more semester hours during their first semester at Odessa College are required to enroll in ORIE 1100.

ORIE 1100 Orientation (24.0102.5140)

Petroleum Technology

Faculty: J. D. Roberts, chair.

The Odessa College petroleum technology program is designed for people entering the industry for the first time and for employees in the industry who want to upgrade their skills. The two-year program is suggested for men and women who plan to work for producers, manufacturers, service firms or supply firms. New students are encouraged to meet with the department chair prior to registration.

Course of Study for Associate in Applied Science Degree Petroleum Technology

retiolegiii teciniology	
	Semester Hrs
General Education Requirements	17
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric or ENGL 1312 Report Writing	3
GOVT 2301 U.S. and Texas Government	3
MATH 1314 College Algebra or	
MATH 1372 Technical College Algebra	3
**PHED (any two one-hour activity courses)	2
SPCH 1315 Public Speaking or	
SPCH 1321 Business and Professional Speech	3
Major Requirements	30
PETR 1300 Petroleum Overview	3
PETR 1310 Rotary Drilling Fluids	3
PETR 1311 Well Completion Methods	3
PETR 1320 Production Methods	

226
PETR 1380 Computers for Petroleum3
PETR 2310 Drilling Methods
_
PETR 2360 Corrosion
PETR 2377 Cooperative Work Experience3
PETR 2390 Petroleum Regulations3
*Petroleum Electives (Any PETR course not required)9
Related Requirements9
OSHA 2395 Industrial Safety3
OSHA 2396 Hazardous Waste and Emergency Response3
OSHA 2398 Environmental Issues3
Total Semester Hours
*Students may choose from the following pool of courses depending on their Individual
needs: PETR 1301 Basic Oilfield Hydraulics, PETR 1302 Rotary Drilling Rig Equipment,
PETR 2350 Pipelining), PETR 2382 Well Stimulation, PETR 2383 Chemical Treating in
Production Operations and PETR 2388 Artificial Lift.
Production Operations and PETH 2366 Artificial Lift.
**PHED 1100 should be the first course taken in physical education.
Certificates of technology are available in the following job-specific fields. See the program chair for course requirements and Permian Basin job opportunities.
Certificate of Technology Options
Level I certificates are TASP-waived.
Level I - Weil Head Pumper
Major Requirements
Major Requirements ENGL 1312 Report Writing3
PETR 1300 Petroleum Overview
PETR 1300 Petroleum Overview
PETR 1380 Computers for Petroleum
PETR 2325 Well Workover Methods3
PETR 2360 Corrosion 3
PETR 2388 Artificial Lift
Approved Elective (see department chair for options)
Total Semester Hours24
Level I - Gas Compressor Operator
Semester Hrs
Major Requirements
ENGL 1312 Report Writing3
PETR 1300 Petroleum Overview
PETR 1300 Petroleum Overview 3 PETR 1380 Computers for Petroleum 3 PETR 2331 Natural Gas Processing 3 PETR 2389 Gas and Liquid Measurement 3 OSHA 2398 Environmental Issues 3 Approved Elective (see department chair for options) 3 Total Semester Hours 21 Level I - Gas Plant Operator

PETR 1380 Computers for Petroleum PETR 2331 Natural Gas Processing PETR 2360 Corrosion PETR 2389 Gas and Liquid Measurement OSHA 2398 Environmental Issues ENGL 1312 Report Writing Approved Elective (see department chair for options)	3 3 3 3 3
Total Semester Hours	24
Level I - Refinery Panel Operator	Semester Hrs
Major Requirements	_
ENGL 1312 Report Writing	3
OSHA 2398 Environmental Issues	3
PETR 1300 Petroleum Overview	3
PETR 1380 Computers for Petroleum	
PETR 2340 Refining Methods	3
Approved Elective (see department chair for options)	3
_ Total Semester Hours	
Petroleum Technology Courses	
PETR 1300 Petroleum Overview	
(3-0)	er procedures production, pritize activities ing it to the a and diagrams
PETR 1301 Basic Oilfield Hydraulics	
(3-0)	eduction. of flowing and arious tubular
PETR 1302 Rotary Drilling Rig Equipment	
(3-0) Emphasizes the technical competencies involved with the selection at equipment used to drill an oil and gas well. The student will perform a make decisions as to the limitations of the equipment based on design (SCANS 3,4,6,8,9) Prerequisite: PETR 1300 or consent of the departs	nd purpose of alculations and n criteria.
PETR 1310 Rotary Drilling Fluids (3-0)	3 hours
Competencies include preforming and interpreting basic calculations are recognize the functions and properties of these various fluids, and daily report on his/hers findings. (SCANS 1,2,3,6,8,9) Prerequisite: P consent of the department chair.	and tests that
PETR 1311 Well Completion Methods	
(3-0) Competencies enable student to read and evaluate the effects of drilliproduction formation and choosing the tools and procedures for logginatesting, running pipe, cementing, perforating, completion techniques a	ng, drill stem

stimulation. The student will participate as a team member in recognizing problems and implementing a correct plan of action in completing an oil or gas well. (SCANS 1,2,5,6,8,9) Prerequisite: PETR 1300 or consent of the department chair.

PETR 1320 Production Methods

PETR 1370 Petroleum Instrumentation

PETR 1380 Computers for Petroleum

PETR 2310 Drilling Methods

PETR 2325 Well Workover Methods

PETR 2331 Natural Gas Processing

PETR 2340 Refining Methods

PETR 2350 Pipelining natural gas, salt water and fresh water systems. The student will be able to make calculations and decisions on appropriate lines for size, pressure and type (steel, PVC, etc.). (SCANS 3,6,8,9) Prerequisite: PETR 1300 or consent of the department **PETR 2360 Corrosion** À problems-based course to provide competencies in the corrosive effects on surface and downhole equipment, pipelines, and other oilfield situations. Emphasizes terminology and techniques. Students will analyze basic causes and recommend the most reliable solutions. (SCANS 1,6.8,9) Prerequisite: PETR 1300 or consent of the department chair. **PETR 2377 Cooperative Work Experience** A capstone course designed to interrelate academic and vocational course lectures and labs with business and industry and work experiences. Under supervision of college faculty and a workplace supervisor, the student will achieve agreed upon workplace goals and objectives that will enhance the student's competency attainment in the areas of personal, interpersonal and problem solving skills. Weekly lectures will address key workplace competencies to enhance the employability of a technically competent graduate (SCANS 5,7,9,10,11) Prerequisite: Consent of the department chair. **PETR 2382 Well Stimulation Methods** (3-0) 3 hours Presents detailed competencies of well stimulation. Student will make necessary calculations and decisions to acidize or fracture a formation. Emphasis will be on the Permian Basin. (SCANS 3,6,8,9) Prerequisite: PETR 1300 or consent of the department chair. **PETR 2383 Chemical Treating in Production Operations** Student will learn the competencies necessary to treat all areas of production. Demonstrations in the laboratory using chemicals will help student to determine which treatment will best suit a particular application. (SCANS 3,6,8,9) Prerequisite: PETR 1300 or consent of the department chair. **PETR 2388 Artificial Lift** Designed for students who have completed production methods and for individuals who want to further their knowledge of various lift systems. Competencies stress practical aspects of artificial lift in conventional production systems. Includes such topics as sucker rod pumps, tubing and rod strings, tubing anchors, beam pumps, gas lift and submersible pumping systems, wellheads and equipment involved in secondary recovery systems. (SCANS 6,7,8) Prerequisite: PETR 1300 or consent of the department chair. PETR 2389 Gas and Liquid Measurement (3-0) 3 hours Competencies include accuracy, quality and validity of gas and liquid measurement techniques for field and plant operating personnel. Emphasizes correct techniques

of measurement and proper procedures to correct errors. (SCANS 3,6,9)

Prerequisite: PETR 1300 or consent of the department chair.

PETR 2390 Petroleum Regulations

Photography

Faculty: Steve Goff, chair.

Odessa College's photography program provides quality photo education for all members of the community. Photo students explore professional and artistic aspects of this visual medium by training in the basics of photography as a subject, a profession and a technology. A variety of courses are offered, including development of black and white, commercial technique, professional portraiture, color, the history of photography and areas of independent study. Opportunities are provided for students to exercise their creative talents. Upon completion of the photo curriculum, students will be prepared for continued studies at a university or entry-level positions in the photographic industry. While limited equipment and some scholarships are available for those considering photography as a major, the department welcomes all students.

Course of Study for Associate in Applied Science Degree Photography

r notograpny	
	Semester Hrs
General Education Requirements	26
ACCT 1370 Elementary Accounting	3
ARTS 1311 Design I	3
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
GOVT 2301 U.S. and Texas Government or	
GOVT 2302 American National Government	3
MATH 1332 Structures of College Mathematics or higher level math	
*PHED (any two one-hour activity courses)	
PSYC 2302 Applied Psychology	
SPCH 1321 Business and Professional Speech	
Elective	3
Major Requirements	35
**COMM 1307 Introduction to Mass Communication	3
**COMM 1318 Basic Photography I	
**COMM 1319 Basic Photography II	3
PHOT 1361 Photo Lab Technique I	3
PHOT 1362 Photo Lab Technique II	
PHOT 2200 Print Finishing & Negative Retouching or	
PHOT 2390 Graphics	2
PHOT 2360 Expressive Photography	2
PHOT 2370 History of Photography	
PHOT 2371 Color Photography I	
PHOT 2377 Color Photography II	د
r 1101 2072 Color Filotography II	3

232
Major Requirements12
**COMM 1318 Basic Photography I
**COMM 1319 Basic Photography II3
PHOT 2331 Portrait Photography I
PHOT 2332 Portrait Photography II
PHOT 2332 Portrait Priotography II
Total Semester Hours27
** Courses listed with COMM prefix may be found in the Mass Communication section
of the catalog.
Photography Courses
PHOT 1361 Photo Lab Technique I
(2-4)
Designed to give advanced experience in darkroom printing and developing procedures. The course allows students to acquire and evaluate numerous films and papers for various photographic situations. Students will select appropriate photo supplies and
equipment for shooting assignments. Includes projection printing, contact printing, black and white print finishing, toning and mixing photographic chemistry. Successful completion qualifies student to work as a black and white lab technician in the
photographic industry. Lab fee required. (SCANS 4,6,8) Prerequisites: COMM 1318; Basic Photography I, TASP competency in reading, writing and math or consent of instructor.
PHOT 1362 Photo Lab Technique II
(2-4)
A continuation of PHOT 1361. Designed to give advanced experience in darkroom
printing and developing procedures. The course allows students to acquire and
evaluate numerous films and papers for various photographic situations. Students
will select appropriate photo supplies and equipment for shooting assignments.
Includes projection printing, contact printing, black and white print finishing, toning
and mixing photographic chemistry. Successful completion qualifies student to work
as a black and white lab technician in the photographic industry. Lab fee required.
(SCANS 4,6,8) Prerequisites: PHOT 1361; TASP competency in reading, writing
and math or consent of instructor.
and math or consent of instructor.
PHOT 2200 Print Finishing and Negative Retouching
(1-2)
Emphasizes black and white and color retouching of prints and negatives and
copying and reproduction of photographs. Students learn to select and utilize a
variety of retouching tools and copying equipment. Lab fee required. (SCANS 4,8)
Prerequisite: TASP competency in reading, writing and math or consent of
instructor.
instructor.
PHOT 2311 Commercial Photography I
(1-7)
(1-7)
photography. Emphasizes use of large negative format and the view camera.
Students will learn how to organize and maintain equipment and materials in a
photographic studio and select proper lighting for a variety of photographic studio
situations. Includes such photographic problems as magazine article illustration,
product photography, fashion, architectural studies and window displays. Lab fee
required. (SCANS 4,6,8) Prerequisites: COMM 1319 and PHOT 1362; TASP
competency in reading, writing and math or consent of instructor.
PHOT 2312 Commercial Photography II
(1-7)
A continuation of PHOT 2311. Gives the student working knowledge in specialized
field of commercial photography. Emphasizes use of large negative format and the

view camera. Students will learn how to organize and maintain equipment and materials in a photographic studio and select proper lighting for a variety of photographic studio situations. Includes such photographic problems as magazine article illustration, product photography, fashion, architectural studies and window displays. Provides additional experience in the commercial field. Lab fee required. (SCANS 6,8) Prerequisites: PHOT 2311; TASP competency in reading, writing, and math or consent of the instructor.

PHOT 2331 Portrait Photography I

PHOT 2332 Portrait Photography II

PHOT 2360 Expressive Photography

PHOT 2370 History of Photography

PHOT 2371 Color Photography I

PHOT 2372 Color Photography II

designed to help the student identify the intricacies of seeing and photographing in color. Lab fee required. (SCANS 4,8) Prerequisites: PHOT 2371; TASP competency in reading, writing, and math or consent of instructor.

PHOT 2377 Cooperative Work Experience

PHOT 2380 Photographic Problems

PHOT 2390 Graphics

Physical and Health Education

Faculty: Betty Hudson, chair; Jim Carlson, Karin Carlson, Paul Chavez, Tricia Floyd, Kenneth Hines, Pat Hodges, Orlando Ontiveroz, Calvin Sinkfield, Stephanie Thomas, Scott Walkinshaw, Rick Zimmerman.

Physical education is the sum of all those changes that take place in individuals as the result of movement experience.

The principal objectives of this department are as follows: (1) to develop the students' neuromuscular skill and organic system through movement experiences, (2) to increase the students' knowledge, insight, understanding and interest in movement experiences and (3) to improve the students' recreational and leisure-time skills as well as their standards of behavior in these selected movement areas.

Since movement is the medium through which this department achieves its objectives, students have several opportunities to select those movement experiences (from 34 different areas in the physical education curriculum) that will best contribute to their well-being, their leisure-time skills and to their total educational development. The physical education department offers two options for the associate degree.

All physical education activity courses may be taken as a pass/fail option.

Course of Study for Associate in Science Degree Exercise and Sport Science Option

	Semester Hr
General Education Requirements	45
**BIOL 1406 General Biology I	4
BIOL 1407 General Biology II	4
COSC 1301 Introduction to Computer Systems	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL (sophomore level)	3
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	3
HIST 1301 U.S. History to 1877	3
HIST 1301 U.S. History to 1877HIST 1302 U.S. History from 1877	3
MATH 1314 College Algebra or higher level math	3
MATH 1342 Mathematical Statistics or higher level math	3
Science (with lab)	
SPCH 1315 Public Speaking <u>or</u>	
SPCH 1321 Business and Professional Speech	3
Elective	3
Major Requirements	10
*PHED (any four one-hour activity courses)	4
PHED 1301 Orientation in Health, Physical Education and Recreation	n 3
PHED 2376 Prevention and Care of Athletic Injuries	3
***Approved Electives	9
Total Semester Hours	67
*PHED 1100 should be the first course taken in physical education.	
**OUTH 4044 OUTH 4040 - In- OUTH 4444 OUTH 4440	

**CHEM 1311, CHEM 1312, plus CHEM 1111 and CHEM 1112, may be substituted for BIOL 1406 and BIOL 1407.

***Electives will be selected from the following three-hour classes based on senior institution requirements: PHED 1238, PHED 2278, PHED 1304, PHED 1306, PHED 1308, PHED 1309, PHED 1321, PHED 1322, PHED 1331, PSYC 2301 and SOCI 1301.

Students majoring in exercise and sport science in preparation for a teaching career are required to take four activity classes selected from the following areas:

- One class from Fitness Activities
- One class from Lifetime Activities
- One class from Team Sports
- One class from Aquatics

It is suggested that PHED 1100 be the first course taken in physical education. Competitive athletics courses will not be counted toward the four-activity requirement for exercise and sport science majors.

In addition, it is also recommended that exercise and sport science majors take more than the minimum of four one-hour activity classes in their preparation for a teaching career. Students should consider the requirements of the senior college to which they intend to transfer and plan their junior college scholastic schedule accordingly.

Physical education activity classes meet three hours weekly for one semester-hour credit. An activity class may be repeated once for credit. All physical education activity classes require a lab fee.

Course of Study for Associate in Science Degree Athletic Training Option

	Semester	Hrs
General Education Requirements	44	
COSC 1301 Introduction to Computer Systems	3	
BIOL 1406 General Biology I		
BIOL 1407 General Biology II	4	
ENGL 1301 Composition and Rhetoric	3	
ENGL 1302 Composition and Literature		
ENGL (Sophomore Level)		
GOVT 2301 U.S. and Texas Government	3	
GOVT 2302 American National Government		
HIST 1301 U.S. History to 1877		
HIST 1302 U.S. History from 1877	3	
MATH 1314 College Algebra or higher level math	3	
Science (with lab)		
*PHED (any two one-hour activity courses)	~ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	
SPCH 1315 Public Speaking or		
SPCH 1321 Business and Professional Speech	3	
•		
Elective	3	
Major Requirements	13	
PHED 1171 Athletic Training Clinical Practicum I		
PHED 1304 Personal and Community Health		
PHED 1306 First Aid		
PHED 2171 Athletic Training Clinical Practicum II	1	
PHED 2278 Nutrition in Exercise and Sport		
PHED 2376 Prevention and Care of Athletic Injuries		
FIED 23/6 Fleverition and Care of Athletic Injulies	J	
**Approved Electives	6	
Total Semester Hours	66	

The athletic training program is designed to meet the lower level requirements of the National Trainers Association and the state of Texas Licensure Act for Athletic Trainers. The program is a practical education-work experience approach to gaining the knowledge and skills needed to fulfill requirements for national certification as determined by the NATA and Texas state licensure as determined by the Texas Department of Health.

The Odessa College physical education degree option in athletic training is designed to meet the first two-year needs of students interested in pursuing a career in athletic training and meeting the specific educational and practicum requirements outlined by these two organizations.

Fitness Activities

PHED 1100 Lifestyle Assessment and Modification (31.0501.5128)

^{*}PHED 1100 should be the first course taken in physical education.

^{**} Approved Electives: CHEM 1311, CHEM 1312, BCIS 1401, PHED 1238, PHED 1301, PHED 1331, PSYC 2301 and SOCI 1301.

PHED 1101 Aerobic Dance (36.0108.5128) strength and endurance, flexibility, coordination, and muscle tone. Students will perform basic calculations to determine appropriate target heart rate zones, establish fitness goals, and select appropriate activities to attain those goals. Students will participate in a group project. An exercise log will be kept by class participants detailing time spent in aerobic activities. Students will analyze postural and nutritional habits and be encouraged to initiate healthful lifestyle changes when needed. Includes a preliminary one time, two-hour orientation. Lab fee required. (SCANS 3,4,5,9,10) Prerequisite: None. PHED 1102 Cycling (36.0108.5128) Designed to give basic understanding of principles of cycling; includes pedal cadence, shifting, gear ratio, training safety and maintenance. Students will be required to set personal fitness goals and to monitor their progress during the course. Lab fee required. (SCANS 9,10) Prerequisite: None. **PHED 1103 Defensive Tactics** (36.0108.5128) Includes lectures, demonstrations and practice in basic skills and techniques of a variety of defensive movements and protection methods. Students will learn vulnerable areas of the human body that will enable students to defend themselves against an attacker. Self-confidence and self-management will be enhanced by class participation. Lab fee required. (SCANS 9,10) Prerequisite: None. PHED 1104 Advanced Defensive Tactics (36.0108.5128) Includes lectures, demonstrations and practice in basic advanced techniques of selfprotection as well as striking and delivering a variety of kicks. Self-confidence and self-management will be enhanced by class participation. Lab fee required. (SCANS 9,10) Prerequisite: PHED 1103. PHED 1105 Gymnastics (36.0108.5128) (0-3) 1 hour Includes instruction in performance of various gymnastics skills on all apparatus. Instruction includes flexibility and strength training as well as spotting techniques. Student will use efficient learning techniques to acquire and apply new knowledge and skills. Each student will develop self-esteem and self-management skills through participation in this class. Lab fee required. (SCANS 9,10) Prerequisite: None. PHED 1106 Jogging/Walking (36.0108.5128) through jogging and/or walking. Students will perform basic calculations to determine appropriate target heart rate zones. Students will establish fitness goals and select appropriate activities to attain these goals. Pre- and post-assessments will allow students to monitor progress toward their fitness goals. Includes a preliminary one time, two-hour orientation, Lab fee required. (SCANS 3,4,9,10) Prerequisite: None. PHED 1107 Judo/Karate (36.0108.5128) Èmphasizes basic skills and techniques of American karate. Students will learn vulnerable areas of the human body and be instructed in defensive and offensive techniques to protect oneself. Students will work in small groups and partner situations in which personal qualities will be secondary benefit of this class. Lab fee required. (SCANS 9,10) Prerequisite: None. PHED 1108 Physical Conditioning, Aerobic Super Circuit (36.0108.5128)

Combines weightlifting with aerobic activities in a structured, formatted conditioning

program that trains the whole body. Orientation and physical assessments enable students to personalize their workouts and help them attain their fitness goals. Workouts are computer-monitored and instructor-enhanced. Includes a preliminary one-time, two-hour orientation. Lab fee required. (SCANS 4,9,10) Prerequisite: None. (Must be at least 16 years old.)

Combines weightlifting with aerobic activities in a structured, formatted conditioning program that trains the whole body. Orientation and physical assessments enable students to personalize their workouts and help them attain their fitness goals. Workouts are computer-monitored and instructor-enhanced. Also includes instruction in the proper techniques of training specific body areas. Includes a preliminary one-time, two-hour orientation. Lab fee required. (SCANS 3,4,9,10) Prerequisite: PHED 1108 or consent of the instructor. (Must be at least 16 years old.)

PHED 1110 Trampoline (36.0108.5128)

PHED 1111 Weight Training (36.0108.5128)

PHED 1112 Adaptive Personalized Fitness (36.0108.5128)

PHED 1113 Weight Training, Advanced (36.0108.5128)

Lifetime Activities

PHED 1116 Badminton (36.0108.5128)

drop and net shots. Knowledge of the history, rules and basic strategy for singles and doubles will be acquired. Lab fee required. (SCANS 10) Prerequisite: None. PHED 1117 Bowling (36.0108.5128) The student will learn the mechanics of the approach, release and execution of three different styles of bowling. The course will also cover scorekeeping (automated and manual) pin and spot bowling, point of aim, rules, etiquette, and fun competitive games. Lab fee required. (SCANS 3.10) Prerequisite: None. PHED 1118 Social Dance (36.0114.5130) (0-3) 1 hour Includes instruction in basic dance skills, positions, rhythms, steps and formation, i.e. country western (cotton-eyed Joe, two-step, waltz, polka, and schottishe), line dancing, and conventional ballroom as well as most current and most popular dances. Lab fee required. (SCANS 5.9.10) Prerequisite: None. PHED 1119 Golf (36.0108.5128) The student will learn the basic fundamentals of golf including grip, putting, chipping, and full swing. The course will cover a basic understanding of rules, etiquette, and types of competitive play available to the golfer. Lab fee required. (SCANS 3,9,10) Prerequisite: None. PHED 1121 Racquetball (36.0108.5128) Instruction in and development of fundamental skills such as basic strokes, basic shots, serve, court positioning, rules and variations of the game. Lab fee required. (SCANS 10) Prerequisite: None. **PHED 1122 Recreational Sports** (36.0108.5128) Presents skills and rules for pool, ping-pong and a variety of board games. Emphasis will be on the aspects of participation in these activities, as well as the cognitive and affective nature of rules, history, skills and etiquette of the sport/ games. Lab fee required. (SCANS 9,10) Prerequisite: None. **PHED 1124 Tennis, Beginning** (36.0108.5128) (0-3)1 hour Emphasizes beginning skills in execution of forehand and background strokes, the serve and the volley. Includes rules, strategies and etiquette in both singles and doubles. Lab fee required. (SCANS 9,10) Prerequisite: None. PHED 1125 Tennis, Advanced (36.0108.5128) (0-3)1 hour Emphasis placed on proper execution of basic strokes as well as specialty shots such as the lob, overhead and spins. Includes competitive activities in singles and doubles. Lab fee required. (SCANS 9,10) Prerequisite: PHED 1124 or consent of the instructor. **Team Sports** PHED 1128 Basketball, Men's (36.0108.5128) (0-3)1 hour Presents rules of the sport while emphasizing individual and team fundamentals. The class teaches individuals how to contribute to a group effort and how to recognize specific basketball problems and devise strategies to overcome those

problems. In addition, participants are encouraged to set individual and team goals and exert effort necessary to accomplish those goals. Lab fee required. (SCANS

5,9,10) Prerequisite: None.

Aquatics

PHED 1146 Red Cross Life Saving (Life Guarding) (36.0108.5128)

situations in various aquatic environments. Skills areas include assists, carries, defenses, releases, equipment rescues, facility safety and others. NRC lifeguard certification is offered upon successful completion. Lab fee required. (SCANS 5,9,10) Prerequisite: Advanced swimming skills.

PHED 1147 Swimming, Beginning (36.0108.5128)

PHED 1148 Fitness Swimming (36.0108.5128)

PHED 1149 Water Sports/Games (36.0108.5128)

PHED 1150 Water Aerobics (36.0108.5128)

PHED 1152 Scuba Diving (36.0108.5328)

Competitive Athletics

PHED 1136 Varsity Baseball (36.0108.5128)

PHED 1137 Basketball, Varsity (36.0108.5128)

PHED 2139 Rodeo, Varsity (36.0108.5128)

will be taught to apply new knowledge and skills to improve individual and team performance. An understanding of the team concept and team unity will be stressed. (SCANS 5.9.10) Prerequisite: Consent of the instructor.

PHED 2141 Track and Field Varsity (36.0108.5128)

PHED 2171 Athletic Training Clinical Practicum II

Physical and Health Education Lecture Courses

PHED 1238 Personal Health Assessment and Strategies (31.0501.5128)

PHED 1301 Orientation in Health, Physical Education and Recreation (31.0501.5228)

PHED 1304 Personal and Community Health (51.0501.5128)

PHED 1306 First Aid (51.0301.5328)

PHED 1308 Techniques of Officiating Sports I (12.0204.5128)

PHED 1309 Techniques of Officiating Sports II (12.0204.5128)

PHED 1321 Techniques of Coaching Sports I (31.0506.5128)

PHED 1322 Techniques of Coaching Sports II (31.0506.5128)

PHED 1331 Movement and Recreation (31.0101.5128)

ethical guidelines persistent with a target population, and development of communication skills necessary for the educational process. Lab fee required. (SCANS 4,5,6,9,10,11) Prerequisite: None.

PHED 1346 Drug Use and Abuse (51.0301.5228)

PHED 2278 Nutrition in Exercise and Sport (31.0501.5228)

PHED 2376 Prevention and Care of Athletic Injuries (51.0301.5328)

Physical Therapist Assistant

Faculty: S. Lynn Dammann, chair; Peggy Manning.

The physical therapist assistant program leads to an associate in applied science degree and encompasses a two-year course of study. The program is designed to prepare educated health workers to perform certain physical therapy procedures and related tasks under the direction and supervision of a licensed physical therapist. The physical therapist assistant performs treatment procedures that involve the therapeutic use of heat, cold, electromagnetic radiations, water, massage, ultrasound and therapeutic exercise and assists the physical therapist with evaluative procedures.

The curriculum balances general educational and technical courses and includes supervised practicum work at hospitals and private clinics. These combined experiences provide students with an opportunity for educational development as well as occupational competence.

Because practicum space is limited, students are admitted selectively. To be considered for admission to the program, prospective students must be a high school graduate or equivalent, achieve a satisfactory score on selected entrance examinations, have good character references, complete a specified number of volunteer or observation hours in a P.T. clinic, and be approved by the program admissions committee. After being accepted, students must maintain a grade of "C" in all physical

therapist assistant courses, BIOL 1170, BIOL 2401, and BIOL 2402. An average of "C" or better must be maintained in all other courses. Students failing to meet these scholastic requirements will be dropped from the program. All physical therapist assistant students are required to have health and accident insurance. Liability insurance is also required and is a part of the regular college fee schedule. The physical therapist assistant program is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association.

Applicants or other interested persons seeking additional information should contact the counseling center at Odessa College. Testing deadline is February 28 and

application deadline is March 31.

Course of Study for Associate in Applied Science Degree Physical Therapist Assistant

Summer Session II	0	
ENGL 1301 Composition and Rhetoric	Semester Hrs	
MATH 1332 Structures of College Mathematics I or higher level math		
First Year		
First Semester		
BIOL 1170 Medical Terminology	1	
BIOL 2401 Anatomy and Physiology I	4	
PSYC 2301 Introduction to Psychology		
PTAP 1301 Clinical Pathophysiology		
PTAP 1401 Introduction to Physical Therapy	4	
Second Semester		
BIOL 2402 Anatomy and Physiology II	4	
GOVT 2301 U.S. and Texas Government or	_	
GOVT 2302 American National Government		
PTAP 1302 Topics in Communication and Human Development		
PTAP 1502 Fundamentals of Physical Therapy	5	
Summer Session I	_	
SPCH 1321 Business and Professional Speech		
• • •		
Summer Session II	_	
PTAP 1441 Clinical Practicum I	4	
Second Year		
First Semester		
*PHED one-hour activity course	1	
PTAP 2342 Clinical Practicum II	3	
PTAP 2401 KinesiologyPTAP 2601 Principles of Therapeutic Exercise	4	
·	б	
Second Semester	_	
PHED one-hour activity course		
PTAP 2443 Clinical Practicum III		
Total Hours		
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*PHED 1100 should be the first course taken in physical education.

Physical Therapy Courses

PTAP 1301 Clinical Pathophysiology symptomatology, management, and prognoses of various pathological and injuryrelated problems treated in physical therapy. The ability to acquire information specific to diagnoses that affect the physical therapy treatment setting, diseases and injuries involving the musculoskeletal and neuromuscular systems, and the need for physical therapy intervention are stressed. (SCANS 6) Corequisite: PTAP 1401. PTAP 1302 Topics in Communication and Human Development (3-0) 3 hours Designed to enable students to understand systems of interaction in the health care setting. Encompasses psychosocial aspects of health care; verbal, non-verbal and written communication skills; patient-practitioner interaction, including working with diverse patient care situations; concepts of the practitioner's self-esteem and selfmanagement and their impact on the health care setting; and human development from birth to death with special emphasis on normal sensorimotor development and aging. (SCANS 2,5,6,7,10,11) Corequisite: PTAP 1502. Prerequisites: PTAP 1301 and PTAP 1401. PTAP 1401 Introduction to Physical Therapy (3-3)4 hours Designed to orient first-year students to the profession of physical therapy and the role of the physical therapist assistant. Historical background, legal aspects and ethical concepts that help prepare the student to participate as a member of the health care team, terminology used in the profession, body mechanics, bed mobility and transfers, progressive gait training, vital signs, medical asepsis, dressings and bandaging are studied. (SCANS 5) Corequisite: PTAP 1301. PTAP 1441 Clinical Practicum I (2-14) 4 hours Provides the initial exposure to the clinical environment. Students observe and utilize skills obtained in the classroom and laboratory. Provides opportunities for selecting and applying procedures and equipment, improving decision-making, problem-solving and reasoning abilities. Consists of approximately six weeks fulltime experience under close supervision of a licensed physical therapist or licensed physical therapist assistant. (SCANS 8,9) Prerequisites: PTAP 1301, PTAP 1401, PTAP 1302 and PTAP 1502. PTAP 1502 Fundamentals of Physical Therapy (4-3)5 hours Designed to instruct students in application of therapeutic modalities and massage. Emphasizes application of equipment, indications and contraindications, medical efficacy and physiological effects pertinent to the various physical agents. (SCANS 8) Corequisite: PTAP 1302. Prerequisites: PTAP 1301 PTAP and PTAP 1401. **PTAP 2342 Clinical Practicum II** Provides continued exposure to the clinical environment. Students observe and utilize skills obtained in the classroom and laboratory. Provides opportunities for selecting and applying procedures and equipment, and improving decision-making, problem-solving and reasoning abilities. Close supervision by a licensed physical

therapist or licensed physical therapist assistant is required. (SCANS 8,9)

PTAP 1302, PTAP 1502, and PTAP 1441.

Corequisites: PTAP 2401 and PTAP 2601. Prerequisites: PTAP 1301, PTAP 1401,

PTAP 2401 Kinesiology

Designed to provide the student with a working knowledge of the human musculoskeletal and neuromuscular systems, and an understanding of how these systems interact to produce efficient human movement. The acquisition of muscle function and gait information by use of manual muscle testing and rudimentary gait analysis is included. (SCANS 6,7) Corequisites: PTAP 2342 and PTAP 2601. Prerequisites: PTAP 1301, PTAP 1401, PTAP 1302, PTAP 1502 and PTAP 1441.

PTAP 2443 Clinical Practicum III

PTAP 2601 Principles of Therapeutic Exercise

PTAP 2702 Topics in Rehabilitation

Physics

Faculty: Dr. E. Don Taylor, chair; Dr. Ashok Khosla.

The principal objective of the physics department is to train physicists at the college level. In addition, it seeks to provide for certain other majors the foundation in the fundamental physical principles necessary for effective work in engineering, medicine, dentistry, chemistry and technology.

Course of Study for Associate in Science Degree Physics

Physics
Semester Hrs
General Education Requirements56
COSC 1415 Introduction to Computer Science4
ENGL 1301 Composition and Rhetoric
ENGL 1302 Composition and Literature
ENGL (sophomore level)
Foreign language sequence 1411, 1412, 2311, 2312
GOVT 2301 U.S. and Texas Government
GOVT 2302 American National Government
HIST 1301 U. S. History to 1877
HIST 1302 U. S. History from 18//
*MATH 2313 Calculus Í
MATH 2314 Calculus II
MATH 2315 Calculus III
MATH 2320 Differential Equations
SPCH 1315 Public Speaking
. •
Major Requirements8
PHYS 2425 Engineering Physics I4
PHYS 2426 Engineering Physics II4
Total Semester Hours64
*Prerequisite to MATH 2313 should be taken during the summer prior to freshman enrollment. Students with strong mathematics background should consider advanced standing examinations. **PHED 1100 should be the first course taken in physical education.
THED TTOO SHOULD DO THE HIST COURSE TAKEN IN PHYSICAL EQUICATION.
PHYS 1401 College Physics I (40.0801.5339)
(3-3)
À study of classical mechanics, molecular physics, and heat with applications. Recommended for students of medicine, dentistry, veterinary medicine, optometry, biology, and architecture. The student will be involved in reading information or problems and using critical-thinking skills and mathematics to organize the information or to arrive at an answer; also requires student writing skills in order to communicate the information acquired in a written format. Lab fee required. (SCANS 1,3,6,9) Prerequisite: Passed all sections of the TASP exam and have a working knowledge of algebra and trigonometry.
PHYS 1402 College Physics II (40.0801.5339)
(3-3)

PHYS 2425 Engineering Physics I (40.0801.5439)

PHYS 2426 Engineering Physics II (40.0801.5439)

PHYS 2427 Engineering Physics III (40.0801.5439)

Psychology and Sociology

Faculty: Don Jacobs, chair; Jane Hellinghausen, Carla Wells.

The psychology/sociology department offers freshman- and sophomore-level courses in psychology and sociology with a wide selection for both disciplines. The science of psychology studies human development and behavior, learning, thinking and mood states, gender differences, and relationships. Students are introduced to methodology, critical thinking, and application of psychological principles to every day life. Career paths offer students a wide selection of occupations including neuropsychology, clinical practice, research, teaching, industrial/organizational and communications. Psychology majors may choose between an associate of arts (AA) or an associate of science (AS) degree.

The science of sociology studies the multitude of social and cultural influences that are significant to the development of the individual over his/her lifetime. Group dynamics, marriage and family living, juvenile delinquency, race and ethnicity, relationship dynamics and human sexuality empower the student with a wide application of sociological methodology. Career paths offer students many opportunities in government, business, academia, law enforcement, communications, public and/or private research, medical and gerontological occupations.

Psychology/sociology majors are encouraged to organize their degree plans with the assistance and advice of the department chair and academic counselors. It is the responsibility of the student to forecast the transferability of his/her degree plan to the university setting.

Course of Study for Associate in Arts Degree Psychology or Sociology

	Semester Hr
General Education Requirements	53
COSC 1415 Introduction to Computer Science	4
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL (sophomore level)	0 2
GOVT 2301 U.S. and Texas Government	3
GOVT 2302 American National Government	
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877Lab Sequence in BIOL, CHEM, or PHYS	3
Lab Sequence in BIOL, CHEM, or PHYS	8
MATH 1332 Structures of College Mathematics I	3
MATH 1333 Structures of College Mathematics II	3
**PHED (any two one-hour activity courses)	2
PHIL 2306 Introduction to Philosophy II	3
· · · · · · · · · · · · · · · · · · ·	
**PHED 1100 should be the first course taken in physical education.	
In addition to the 53 hours listed above, the student must choose one of the fo	ollowing option
Psychology Option	
	Semester Hr
Major Requirements	12
PSYC 2301 Introduction to Psychology	
PSYC 2302 Applied Psychology	3
PSYC 2308 Child PsychologySOCI 1301 Principles of Sociology	3
Total Semester Hours	
*The following electives may be substituted for above courses to accomm transferring institution: PSYC 2306 Human Sexuality, PSYC 2315 Psychology and PSYC 2371 Current Issue Psychology.	ology of
Sociology Option	
	Semester Hr
Major Requirements	12
SOCI 1301 Principles of Sociology	
SOCI 2326 Social ProblemsSOCI 2326 Social Psychology	
PSYC 2301 Introduction to Psychology	3
Total Semester Hours	
*The following electives may be substituted for above courses to accomm transferring institution: Sociology Electives: SOCI 2301 Sociology of the 2306 Human Sexuality, SOCI 2319 Ethnic Relations, SOCI 2339 Juvenile SOCI 2371 Fundamental Research Design.	Family. SOCI
Course of Study for Associate in Science Deg	
	Semester Hr
General Education Requirements	52
BIOL 1406 General Biology I	4
BIOL 1407 General Biology II	4

Psychology Courses

PSYC 2301 Introduction to Psychology (42.0101.5140)

PSYC 2302 Applied Psychology (42.0101.5240)

PSYC 2306 Human Sexuality (42.0101.5342)

PSYC 2308 Child Psychology (42.0701.5140)

PSYC 2315 Psychology of Adjustment (42.0101.5640)

PSYC 2319 Social Psychology (42.1601.5142)

be addressed. The way society's institutions, group affiliations, and group dynamics influence an individual's behavior is the emphasis of this course. (SCANS 5,9,10,11) Prerequisite: None.

PSYC 2371 Current Issues in Psychology (42.0101.5540)

Sociology Courses

SOCI 1301 Principles of Sociology (45.1101.5142)

SOCI 1306 Social Problems (45.1101.5242)

SOCI 2301 Sociology of the Family (45.1101.5442)

SOCI 2306 Human Sexuality (42.0101.5342)

SOCI 2319 Race and Ethnic Relations (45.1101.5342)

and responsibilities as they pertain to prejudices and discriminations that are recognized across American society. The course teaches students to develop their own thinking skills and personal qualities as they relate to others in personal, professional, and social interactions. (SCANS 5,6,7,9,10,11) Prerequisite: None.

SOCI 2326 Social Psychology (42.1601.5140)

SOCI 2339 Juvenile Delinquency (45.0401.5142)

SOCI 2371 Fundamental Research Design

Radiologic (X-Ray) Technology

Faculty: Sue Leach, chair; Johnna Davila, Dr. James Sheehan, medical advisor.

Odessa College, in cooperation with local hospitals, offers a radiologic technology program designed to provide understanding, proficiency and skill. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Upon successful completion of the program, students are granted an associate in applied science degree, are eligible to apply for the certification examination given by the American Registry of Radiologic Technologists in diagnostic X-ray technology and are eligible for state certification.

The curriculum balances general educational and technical courses with supervised practicums at local hospitals. These combined experiences provide students with an opportunity for educational development as well as occupational competence during the 24-month program.

Available practicum space limits enrollment; therefore, students are admitted on a selective basis. To be considered for admission to the program, a prospective student must be a high school graduate or equivalent, must achieve a satisfactory score on selected entrance examinations, must have character references and must be approved by the program admissions committee. After being accepted, students must maintain a "C" average in all radiologic technology courses and an average of "C" in all courses or they will be dropped from the program. Prior to entering the clinical practicum portion of

the program, students are required to complete a physical examination which includes drug screening.

Applicants or other interested persons seeking additional information should contact the radiologic technology program director or the counseling center at the college. Prospective students are to submit their applications for admission by April 30, for review by the admissions committee.

Liability insurance must be purchased by the student at the beginning of each semester. Students must obtain and maintain a policy of health and accident insurance throughout their enrollment.

Course of Study for Associate in Applied Science Degree Radiologic Technology

Summer Session II Semester H
MATH 1332 Structures of College Mathematics or higher level math
First Year
First Semester BIOL 2404 Human Anatomy and Physiology
Second Semester ENGL 1301 Composition and Rhetoric
Summer Sessions
Summer Session I GOVT 2301 U.S. and Texas Government or GOVT 2302 American National Government
Summer Session II SPCH 1321 Business and Professional Speech
Second Year
First Semester COSC 1301 Introduction to Computer Systems
Second Semester XRAY 2202 Department Design and Operation

	25
	Summer Session I XRAY 2323 Clinical Practicum VI
_	Total Hours72
	*PHED 1100 should be the first course taken in physical education. **Approved electives: PSYC 2301, SOCI 1301, HIST 1301 or HIST 1302, GOVT 2301 of GOVT 2302 or ENGL 1302.
	Radiologic Technology Courses
1	XRAY 1111 Radiographic Positioning II

XRAY 1112 Radiographic Positioning III

1221, XRAY 1301 and XRAY 1401.

XRAY 1221 Clinical Practicum I

Introduces the clinical environment at a major facility. Requires observing operation of the X-ray department while rotating through different work areas. Student participates as a team member while learning to develop and utilize good interpersonal communication skills, better enabling the student to meet patients' needs. Competencies include: the production of standard radiographs of the chest, abdomen, and upper and lower extremities to include film critique (film evaluation regarding anatomy, positioning and technical factors): reading, understanding and demonstrating understanding of positioning materials by selecting necessary equipment when producing standard radiographs on patients with direct supervision (pre-competency); demonstrate ability to prioritize and organize activities necessary to complete examinations; evaluate and correct performance, in the presence of a technologist, following a discussion identifying the problem and solution; completion of necessary paperwork (some on computer) related to radiographic examinations performed; demonstration of specific exams with a model (performance evaluation) is required. Presents clinical introduction to fluoroscopic examinations and film critique. (SCANS 1,4,5,6,7,8,9,10,11) Prerequisite: XRAY 1314 or consent of the department chair. Corequisites: XRAY 1111, XRAY 1301 and XRAY 1401.

XRAY 1301 Patient Care and Pathology for Radiographers

Encompasses radiographic pathology, venipuncture, professional ethics, medicolegal considerations, general patient care, sterile technique, patient transportation, body mechanics, and emergencies the student radiographer will encounter in the radiology department. Various nursing procedures will be discussed and practiced. Students will identify and make technical adjustments for common systemic pathologies. Students must locate and understand information regarding patient care on the patient's chart. Student must communicate verbally and in writing thoughts regarding all aspects of this course. Teams will be formed to develop and/or interpret patient care plans. Students must put information into use at clinical facility when dealing with departmental employees and patients. Students must calculate patient dosages and prepare contrast media for radiographic examinations. (SCANS 1,2,3,5,6,9,10,11) Prerequisites: XRAY 1304 or consent of department chair. Corequisites: XRAY 1401, XRAY 1111 and XRAY 1221.

XRAY 1304 Introduction to Radiologic Technology

XRAY 1314 Radiographic Positioning I

XRAY 1322 Clinical Practicum II

discussion identifying the problem and solution; completion of necessary paperwork (some on computer) related to radiographic examinations performed; assisting radiologist with fluoroscopic examinations and demonstrating specific exams with a model (performance evaluation). (SCANS 1,4,5,6,7,8,9,10,11) Prerequisite: XRAY 1221. Corequisites: XRAY 1112 and XRAY 1402.

XRAY 1323 Clinical Practicum III

(0-24)3 hours Emphasizes practice of basic radiographic procedures in positioning and darkroom techniques. Causes student to use anatomical terms. While rotating through different work areas student participates as a team member while learning to develop and utilize good interpersonal communication skills better enabling him to meet patients' needs. Competencies include: discussion and demonstration of all standard radiographic positions with direct supervision (pre-competency); indirect supervision (post-competency) to include film critique (film evaluation regarding anatomy, positioning and technical factors); reading, understanding and demonstrating understanding of positioning materials by selecting necessary equipment and producing standard radiographs on patients with the necessary supervision; ability to prioritize and organize activities necessary to complete examinations; evaluating and correcting performance, in the presence of a technologist, following a discussion identifying the problem and solution; completing necessary paperwork (some on computer) related to radiographic examinations performed; assist radiographers in obtaining radiographs on trauma patients; assist radiologist with fluoroscopic examinations and demonstrating specific exams with a model (performance evaluation). Includes the following in clinical rotations: special procedures, CT, breast imaging, MRI, quality assurance and heart catherization. (SCANS 1,4,5,6,7,8,9,10,11) Prerequisite: XRAY 1322 or consent of the department chair.

XRAY 1401 Radiographic Physics

XRAY 1402 Principles of Radiographic Exposure

week. Lab fee required. (SCANS 1,2,3,6,7,8,9) Prerequisite: XRAY 1401 or consent of the department chair. Corequisites: XRAY 1112 and XRAY 1322.

XRAY 2201 Special Imaging

XRAY 2202 Department Design and Operation

XRAY 2321 Clinical Practicum IV

(0-24) 3 hours Introduces the student to special clinical rotations. While rotating through different work areas student participates as a team member while learning to develop and utilize good interpersonal communication skills better enabling the student to meet patients' needs. Competencies include: discussion and demonstration of all standard radiographic positions and ability to produce radiographs on trauma patients with direct supervision (pre-competency); indirect supervision (postcompetency) to include film critique (film evaluation regarding anatomy, positioning and technical factors); reading, understanding and demonstrating understanding of positioning materials by selecting necessary equipment and producing standard radiographs on patients with the necessary supervision; ability to prioritize and organize activities necessary to complete examinations; evaluate and correct performance, in the presence of a technologist, following a discussion identifying the problem and solution; completion of necessary paperwork (some on computer) related to radiographic examinations performed; assisting radiographers in obtaining radiographs on trauma patients; assisting radiologist with fluoroscopic examinations; demonstrating specific exams with a model (performance evaluation). Includes the following in clinical rotations: special procedures, CT, breast imaging, MRI, heart catherization, ultrasound, nuclear medicine, radiation therapy and quality assurance. (SCANS 1,4,5,6,7,8,9,10,11) Prerequisite: XRAY 1323 or consent of the department chair. Corequisites: XRAY 2401 and XRAY 2201.

XRAY 2322 Clinical Practicum V

examinations; evaluate and correct performance, in the presence of a technologist, following a discussion identifying the problem and solution; completion of necessary paperwork (some on the computer) related to radiographic examinations performed; assisting radiographers in obtaining radiographs on trauma patients; assisting radiologist with fluoroscopic examinations; demonstrating specific exams with a model (performance evaluation). Includes the following in clinical rotations: ultrasound, nuclear medicine, radiation therapy and quality assurance. (SCANS 1,4,5,8,11) Prerequisite: XRAY 2321 or consent of department chair. Corequisites: XRAY 2202 and XRAY 2402.

XRAY 2323 Clinical Practicum VI

Includes basic physical concepts with expansion to increase depth and scope of underlying principles of radiology. While rotating through different work areas student participates as a team member while learning to develop and utilize good interpersonal communication skills better enabling the student to meet patients' needs. Competencies include: performance of all duties required of a registered radiologic technologist to include patient positioning, technique selection, interpersonal communication skills and film critique (film evaluation regarding anatomy, positioning and technical factors); reading, understanding and demonstrating understanding of positioning materials by selecting necessary equipment and producing standard radiographs on patients with the necessary supervision; ability to prioritize and organize activities necessary to complete examinations; completion of necessary paperwork (some on computer) related to radiographic examinations performed; assisting radiologist with fluoroscopic examinations; demonstrating specific exams with a model (performance evaluation). Includes the following in clinical rotations: ultrasound, nuclear medicine, radiation therapy and quality assurance. (SCANS 1,2,3,4,5,6,7,8,9,10,11) Prerequisite: XRAY

XRAY 2401 Advanced Radiographic Procedures

XRAY 2402 Radiation Biology

Reading

Faculty: Pam Williamson, chair; Elloui Moseley, Mona Sandlin.

An effective citizen must read well; therefore, reading courses develop efficient tools for use in both the academic and workplace environment. All professional fields require above-average abilities in reading.

Developing awareness of the competencies underlying effective reading and insight into the psychology of reading will be excellent preparation for those interested in reading as an academic major. Reading specialists, reading supervisors and reading clinicians are all in great demand at all levels of education.

These courses implement multimedia, including computerized instruction, and support the philosophy that a person's ultimate reading potential is never reached. Because effective study skills predominately depend on precise reading abilities, learning methods are an integrated element in the curriculum. Time spent in this program is an investment in self. All people, regardless of their reading ability or what kind of student they may be, can improve their reading skills.

Courses listed below do not satisfy requirements as electives for any degree at Odessa College. Students who intend to transfer to another community college, senior college or university should check with that institution to determine whether hours earned in reading will transfer for degree credit. Students who enroll for Basic English (0370) and have not taken and passed the reading section of TASP must enroll in a reading class.

READ 0371 Basic Reading (32.0108.5235)

READ 0372 College Reading (32.0108.5235)

READ 0373 Advanced College Reading (32.0108.5235)

College Reading Techniques

The college reading techniques course provides an alternative reading program with structured, individualized, self-paced instruction in a multimedia and multilevel environment that includes computer instruction. Regardless of present reading ability,

students can expect to increase vocabulary and reading rate, and improve comprehension. Effective study techniques offer opportunities to improve performance in both academic and vocational-technical courses.

Diagnostic tests are administered to determine placement levels and specific areas of need. Post-tests evaluate progress during the semester. Through student-teacher conferences, a self-paced plan of action is developed to set immediate and long-range goals.

Students should consult with the instructor immediately upon registration to arrange meeting times for the flexible entry course.

READ 0171 Improving Reading Skills (32.0108.5235)

Refrigeration/Air Conditioning (see Heating, Ventilation and Air Conditioning)

Religion (see Social Sciences)

Respiratory Care

Faculty: Shelia Butler, chair; Elizabeth Essig, director of clinical education; Gloria Hearne, Dr. John Bray, medical director.

Through its ladder concept curriculum in respiratory care, Odessa College offers an intensive program for therapists and technicians. The technician program requires 14 months of study and leads to a certificate of completion. The therapist program requires 22 months of study and leads to an associate in applied science degree.

The clinical practice of respiratory care involves the application of skills and knowledge in the diagnosis and treatment of cardiopulmonary disease. Respiratory therapists and technicians engage in the care of patients from all age groups who suffer from a broad spectrum of diseases. They perform their duties in all patient care areas of hospitals, although primary involvement is in the intensive care units. They staff diagnostic laboratories, provide respiratory services for patients at home and in rehabilitation centers, are involved in the transportation of patients who require respiratory care in route, and serve as managers or educators.

Individuals practicing respiratory care should be mature, responsible persons with strong interpersonal skills and the desire to care for others. Interest and competence in the basic sciences are strong determinants in the academic success of a respiratory therapy student. Respiratory care involves the application of highly technological equipment to patient care situations.

The curriculum balances general educational and technical courses with supervised clinical work in local hospitals under the direction of qualified therapists and technicians. Physicians proficient in pulmonary medicine provide medical direction. This setting provides students with an excellent opportunity for educational development and occupational competence.

Students are admitted prior to the second summer semester on a selected basis because of limited space in the clinical area of study. Requirements for admission are

high school graduation or its equivalent, satisfactory achievement on the college entrance examination, evidence of good health, personal interview and approval of the admissions committee for the program.

Students may not receive a grade lower than "C" in any respiratory care course and must maintain a "C" average or better in all other courses. Students failing to meet these scholastic requirements will be dropped from the program. All respiratory care courses must be taken in the proper sequence as shown in the catalog, and progression to the second year requires successful completion of the technician program.

All respiratory care students are required to have health and accident insurance and pass a hospital physical. Liability insurance also is required and is a part of the regular college fee schedule.

The Odessa College respiratory therapist and technician program is accredited by the Council on Medical Education of the American Medical Association through the recommendations of the Joint Review Committee for Respiratory Therapy Education.

Students wishing to apply for admission or seeking additional information should contact the counseling center. All persons wishing to apply should submit their applications before June 1 of each year.

Course of Study for Associate in Applied Science Degree Respiratory Therapy

First Year

Summer Session II	
	Semester Hrs
ENGL 1301 Composition and Rhetoric	
MATH 1332 Structures of College Mathematics or higher level math	3
First Semester	
BIOL 2401 Anatomy and Physiology I	4
*PHED 1100 Lifestyle Assessment	1
RESP 1111 Clinical Practice I	1
RESP 1301 Respiratory Care SciencesRESP 1400 Fundamentals of Respiratory Care I	3
RESP 1400 Fundamentals of Respiratory Care I	4
SPCH 1321 Business and Professional Speech	3
Second Semester	
BIOL 2402 Anatomy and Physiology II	4
COSC 1301 Introduction to Computer Systems	3
RESP 1115 Respiratory Pharmacology	1
RESP 1405 Fundamentals of Respiratory Care II	4
RESP 1322 Clinical Practice II	3
RESP 1332 Cardiopulmonary Pathophysiology	3
Summer Sessions	
RESP 1310 Fundamentals of Respiratory Care III	3
RESP 1333 Clinical Practice III	3
Second Year	
Third Semester	
GOVT 2301 U.S. and Texas Government or	
GOVT 2302 American National Government	3
*PHED (any one-hour activity course)	1
RESP 2315 Advanced Patient Assessment	3
RESP 2352 Clinical Practice IV	3
RESP 2364 Neonatal/Pediatric Respiratory Care	3
Fourth Semester	
BIOL 2420 Microbiology	4
PSYC 2301 Introduction of Psychology	3

terminology documentation, interpretation of medical records, and provides opportunity to apply sterilization techniques. Equipment fee required. (SCANS 1,2,8,9,11) Prerequisite: Admission to Respiratory Care Program. Corequisites: RESP 1400 and RESP 1301.

RESP 1115 Respiratory Pharmacology

(1-1) ______1 hour Prepares the student to identify pharmacological classifications of medications, usage, side effects and toxic effects. This course specializes in respiratory care pharmacology. Lab fee required. (SCANS 1,3,6) Prerequisites: RESP 1111, RESP 1301 and RESP 1400. Corequisites: RESP 1322, RESP 1332 and RESP 1405.

RESP 1301 Respiratory Care Sciences

RESP 1310 Fundamentals of Respiratory Care III

RESP 1322 Clinical Practice II

RESP 1332 Cardiopulmonary Pathophysiology

RESP 1333 Clinical Practice III

RESP 1400 Fundamentals of Respiratory Care I

RESP 1405 Fundamentals of Respiratory Care II

RESP 2315 Advanced Patient Assessment

RESP 2320 Advanced Respiratory Care

RESP 2352 Clinical Practice IV

RESP 2362 Clinical Practice V

RESP 2364 Neonatal/Pediatric Respiratory Care

Safety (see Occupational Safety and Health Technology)

Social Sciences

Faculty: Dr. Dick Kennedy, chair; Dr. Brian Dille, Daphne Eastman, Glen Findley, Dr. Tom Heiting, Truett Hilliard, Robert Porter, Dr. Bill Rutherford.

Social sciences deal with the three basic relationships that mankind has dealt with since time began. These relationships involve man with his fellow man (history, economics, government, psychology and sociology), man with God (religion) and man with himself (philosophy). No one can challenge the effect that philosophers, historical events, political and social theories, economic ideas and religious concepts have had on mankind.

The four-semester curricula outlined below lead to an associate in arts degree in economics, government and history. Courses are offered in philosophy and religion, but they should be taken as electives only. Students desiring to major in philosophy or religion should consult with the senior college or upper-level institution to which they will transfer regarding transferability of courses.

The social sciences provide students with analytical tools needed for effective participation in a democratic society; they also open doors to various career opportunities. A background in the social sciences is particularly suitable to government employment (such as in the Social Security Administration), social welfare employment, the Federal Reserve banks and other types of government jobs. The social sciences also provide a background that is useful for a career in business, teaching and other professions.

Course of Study for Associate in Arts Degree Economics, Government and History Options

Constal Education Basuiraments	Selliestel	
General Education Requirements	52	
COSC 1301 Introduction to Computer Systems	3	
ENGL 1301 Composition and Rhetoric		
ENGL 1302 Composition and Literature	3	
ENGL (Sophomore Level)	6	
Foreign Language 1411 and 1412	8	
Foreign Language (sophomore level)	6	
GOVT 2301 U.S. and Texas Government	3	
GOVT 2302 American National Government	3	
**HIST 1301 U.S. History to 1877		
**HIST 1302 U.S. History from 1877		
MATH 1332 Structures of College Mathematics I or higher level math	ı 3	
MATH 1333 Structures of College Mathematics II or higher level mat	h3	
*PHED (any two one-hour activity courses)	2	
SPCH 1315 Public Speaking	3	
Major Requirements	12	
ECON 2301 Principles of Economics I (Macro)	3	
ECON 2302 Principles of Economics II (Micro)	3	
HIST 2311 History of Modern Europe to 1815	3	
HIST 2312 History of Modern Europe since 1815		

	otal Semester Hours64
*/	*HIST 2301, History of Texas may be substituted for either HIST 1301 or HIST 1302. PHED 1100 should be the first course taken in physical education.
	Economics Courses
Ε	CON 2301 Principles of Economics I (Macro) (45.0601.5142) (3-0)
	Provides organization, communication, and interpretation of fundamental, analytic concepts of economic theory and practice. Emphasizes macro-economic theory and practice. Includes money and banking, national income and employment, economic growth, public spending and international economy. (SCANS 6) Prerequisite: None.
E	CON 2302 Principles of Economics II (Micro) (45.0601.5142)
	(3-0)
	Government Courses
G	OVT 2301 U.S. and Texas Government (45.1002.5142)
	(3-0)
G	OVT 2302 American National Government (45.1002.5142)
	(3-0)
	History Courses
Н	IST 1301 United States History to 1877 (45.0802.5142)
	(3-0)
H	IST 1302 United States History from 1877 (45.0802.5142)
	(3-0)

Sociology (see Psychology and Sociology)

Spanish (see English and Foreign Languages)

Speech

Faculty: Darlyne Ervin, chair; J. Deanne Causey, Joe Willis.

The speech department recognizes that effective communication is an essential skill in college, industry and daily life. Students must be able to logically organize their ideas, adapt those ideas to their specific audience or situation, and then express those ideas or feelings in a clear, confident manner. These skills, once learned, will aid students throughout their private and professional lives.

All speech courses have unique, diverse functions; therefore, each presents individual goals. However, the shared goal of these classes is to help students develop a more articulate, sensitive and confident self image in the area of oral communication.

Business and Professional Speech and Public Speaking are course offerings considered to be "core" classes because they help fulfill the communication requirements at most colleges and universities.

Speech courses need not be taken in any particular sequence. More than one speech course may be taken during a given semester.

Course of Study for Associate in Arts Degree Speech

	Semester Hrs
General Education Requirements	45
COSC 1301 Introduction to Computer Science	3
ENGL 1301 Composition and Rhetoric	3
ENGL 1302 Composition and Literature	3
ENGL (sophomore level)	6
Foreign language 1411 and 1412	8
GOVŤ 2301 U.Š. and Texas Government	
GOVT 2302 American National Government	3
HIST 1301 U.S. History to 1877	3
HIST 1302 U.S. History from 1877	3
*PHED (any two one-hour activity courses)	
Science (two sequential semesters of a laboratory science)	

272
Major Requirements19
COMM 1307 Introduction to Mass Communication or COMM 1335 Survey of Radio and Television3
COMM 2331 Announcing for Radio and Television3
**SPCH 1144, 1145, 2144 and 2145: Forensic Laboratory4
SPCH 1315 Public Speaking3
SPCH 2335 Argumentation and Debate3
SPCH 2341 Introduction to Oral Interpretation3
Total Semester Hours64
*PHED 1100 should be the first course taken in physical education. ** This laboratory prepares students for intercollegiate participation in various speech contests. Requires tournament participation for credit to be earned. Prerequisite: None.
Speech Courses
SPCH 1144, 1145, 2144, 2145 Forensics Laboratory (23.1001.6035) (0-2)
This lab prepares the students for intercollegiate participation in various public speaking events. This course requires tournament participation. (SCANS 5,9,10,11 met in different ways depending on the student's individual events) Prerequisite: None.
SPCH 1311 Introduction to Speech Communication (23.1001.5135)
(3-0)
This course introduces the oral communication process through study of interpersonal skills. The course applies practices of communication in dyadic and group environments. Variables of nonverbal communication, self-esteem, listening techniques, presentational speaking and cultural diversities are examined. (SCANS 5,10,11) Prerequisite: None.
SPCH 1315 Public Speaking (23.1001.5335)
(3-0)
SPCH 1321 Business and Professional Speech (23.1001.5235)
(3-0)
SPCH 2335 Argumentation and Debate (23.1001.5935)
(3-0)
SPCH 2341 Introduction to Oral Interpretation (23.1001.5735)
(3-0)

Surgical Technology

Faculty: Leola Rutledge, chair.

The surgical technology program prepares graduates to function in the operating room as surgical technologists under the direction of an operating room registered nurse. Duties include maintaining a safe environment for patients undergoing surgery, transporting patients, preparing supplies, operating equipment, handling sterile instruments and supplies, and serving as a member of the surgical team.

The first semester courses include medical terminology, asepsis, microbiology, pharmacology, sterilization/disinfection and an introduction to clinical experience. A course in first aid also is completed. During the second semester, applied psychology is presented, and the practicum and didactic instruction are expanded to include wound healing, anesthesia and surgical procedures. Opportunity also is given in the practicum to increase knowledge and skills in general surgical procedures. The six-week summer session allows students to perfect skills under supervision in the clinical sites.

Admission requirements to the program include submission of a completed Odessa College application, program application, high school graduation or its equivalent (GED), evidence of good health and a satisfactory score on the Allied Health Aptitude Test. The student must complete both courses in Anatomy and Physiology prior to entry into the program. Upon completion of the above, students must make arrangements for an interview with the program director.

Students may be required to take some college placement tests. Unsatisfactory scores on these placement or entrance tests may require that additional courses be taken concurrently with, or prior to, the regular curriculum.

All courses in the curriculum are required and must be completed no later than the prescribed semester with a minimum grade of "C." Progression to the next semester cannot be accomplished if a grade of "D" or "F" is received in any course.

All surgical technology students are required to have health and accident insurance. Liability insurance also is required and is a part of the regular college fee schedule.

Students who successfully complete the program receive a certificate of technology and may sit for the National Certification Examination for Surgical Technologists. Those interested in furthering their education may take the courses for an associate in applied science degree.

The Odessa College surgical technology program is accredited by the Committee on Accreditation of Allied Health Education Programs (CAAHEP).

Students wishing to apply for admission or other persons seeking additional information should contact the counseling center at Odessa College.

Course of Study for Associate in Applied Science Degree Surgical Technology

	Semester Hrs
Prerequisite Courses	
BIOL 2401 Anatomy and Physiology	
BIOL 2402 Anatomy and Physiology	4
First Ye	ear ear
First Semester	
BIOL 1170 Medical Terminology	1
PHED 1306 First Aid	3
SURG 1411 Surgical Technology Clinical I	4
SURG 1612 Introduction to Surgical Techr	iques 6
Second Semester	
PSYC 2302 Applied Psychology	3

SURG 1614 Surgical Technology Clinical II
SURG 1615 Surgical Technology Clinical III
Second Year
First Semester
BIOL 2420 Microbiology
ENGL 1301 Composition and Rhetoric
GOVT 2301 U.S. and Texas Government <u>or</u> GOVT 2302 American National Government
MATH 1332 Structures of College Mathematics or higher level math
*PHED 1100 Lifestyle Assessment and Modification
Second Semester
COSC 1301 Introduction to Computer Systems
ENGL 1302 Composition and Literature
PHED one-hour activity course
PSYC 2301 Introduction to Psychology
SPCH 1321 Business and Professional Speech <u>or</u> SPCH 1315 Public Speaking
Total hours7
*PHED 1100 should be the first course taken in physical education.
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Course of Study for Certificate of Technology
Level II - Surgical Technology
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Prerequisite Courses BIOL 2401 Anatomy and Physiology BIOL 2402 Anatomy and Physiology BIOL 2402 Anatomy and Physiology First Semester BIOL 1170 Medical Terminology PHED 1306 First Aid SURG 1411 Surgical Technology Clinical I SURG 1612 Introduction to Surgical Techniques Second Semester PSYC 2302 Applied Psychology SURG 1613 Principles of Surgical Technology SURG 1614 Surgical Technology Clinical II Summer Session I SURG 1615 Surgical Technology Clinical III Total hours Surgical Technology Clinical II (0-14) 4 hour Presents techniques needed to begin a study of the technologies in the operating room including emphasis on maintaining a safe environment for the patient, can
Prerequisite Courses BIOL 2401 Anatomy and Physiology BIOL 2402 Anatomy and Physiology First Semester BIOL 170 Medical Terminology PHED 1306 First Aid SURG 1411 Surgical Technology Clinical I SURG 1612 Introduction to Surgical Techniques Second Semester PSYC 2302 Applied Psychology SURG 1613 Principles of Surgical Technology SURG 1614 Surgical Technology Clinical II Summer Session I SURG 1615 Surgical Technology Clinical III Total hours Surgical Technology Courses SURG 1411 Surgical Technology Clinical I (0-14) Presents techniques needed to begin a study of the technologies in the operation including emphasis on maintaining a safe environment for the patient, car and handling of instrumentation, competence in basic calculations and related
Prerequisite Courses BIOL 2401 Anatomy and Physiology BIOL 2402 Anatomy and Physiology First Semester BIOL 1170 Medical Terminology PHED 1306 First Aid SURG 1411 Surgical Technology Clinical I SURG 1612 Introduction to Surgical Techniques Second Semester PSYC 2302 Applied Psychology SURG 1613 Principles of Surgical Technology SURG 1614 Surgical Technology Clinical II Summer Session I SURG 1615 Surgical Technology Clinical III Total hours Surgical Technology Courses SURG 1411 Surgical Technology Clinical II (0-14) Presents techniques needed to begin a study of the technologies in the operatir room including emphasis on maintaining a safe environment for the patient, car and handling of instrumentation, competence in basic calculations and related nursing activities. Stresses skills in locating, understanding and interpreting writers.
Prerequisite Courses BIOL 2401 Anatomy and Physiology BIOL 2402 Anatomy and Physiology First Semester BIOL 1170 Medical Terminology PHED 1306 First Aid SURG 1411 Surgical Technology Clinical I SURG 1612 Introduction to Surgical Technology SURG 1613 Principles of Surgical Technology SURG 1614 Surgical Technology Clinical II Summer Session I SURG 1615 Surgical Technology Clinical III Total hours Surgical Technology Courses SURG 1411 Surgical Technology Clinical II O-14) Presents techniques needed to begin a study of the technologies in the operating room including emphasis on maintaining a safe environment for the patient, car and handling of instrumentation, competence in basic calculations and related nursing activities. Stresses skills in locating, understanding and interpreting wrighten information related to the operating room environment and routines. Activities for
Prerequisite Courses BIOL 2401 Anatomy and Physiology BIOL 2402 Anatomy and Physiology First Semester BIOL 1170 Medical Terminology PHED 1306 First Aid SURG 1411 Surgical Technology Clinical I SURG 1612 Introduction to Surgical Technology Second Semester PSYC 2302 Applied Psychology SURG 1613 Principles of Surgical Technology SURG 1614 Surgical Technology Clinical II Summer Session I SURG 1615 Surgical Technology Clinical III Total hours Surgical Technology Clinical II (0-14) Presents techniques needed to begin a study of the technologies in the operatir room including emphasis on maintaining a safe environment for the patient, car and handling of instrumentation, competence in basic calculations and related nursing activities. Stresses skills in locating, understanding and interpreting wri information related to the operating room environment and routines. Activities fe skills in basic aseptic technique, following schedules and using materials and
Prerequisite Courses BIOL 2401 Anatomy and Physiology BIOL 2402 Anatomy and Physiology First Semester BIOL 1170 Medical Terminology PHED 1306 First Aid SURG 1411 Surgical Technology Clinical I SURG 1612 Introduction to Surgical Techniques Second Semester PSYC 2302 Applied Psychology SURG 1613 Principles of Surgical Technology SURG 1614 Surgical Technology Clinical II Summer Session I SURG 1615 Surgical Technology Clinical III Total hours Surgical Technology Clinical III Total including emphasis on maintaining a safe environment for the patient, car and handling of instrumentation, competence in basic calculations and related nursing activities. Stresses skills in locating, understanding and interpreting write information related to the operating room environment and routines. Activities is skills in basic aseptic technique, following schedules and using materials and equipment efficiently are presented. Stresses workplace competencies includin
Prerequisite Courses BIOL 2401 Anatomy and Physiology BIOL 2402 Anatomy and Physiology First Semester BIOL 1170 Medical Terminology PHED 1306 First Aid SURG 1411 Surgical Technology Clinical I SURG 1612 Introduction to Surgical Technology Second Semester PSYC 2302 Applied Psychology SURG 1613 Principles of Surgical Technology SURG 1614 Surgical Technology Clinical II Summer Session I SURG 1615 Surgical Technology Clinical III Total hours Surgical Technology Clinical II (0-14) Presents techniques needed to begin a study of the technologies in the operatir room including emphasis on maintaining a safe environment for the patient, car and handling of instrumentation, competence in basic calculations and related nursing activities. Stresses skills in locating, understanding and interpreting wri information related to the operating room environment and routines. Activities fe skills in basic aseptic technique, following schedules and using materials and

learned skills. Lab fee required. (SCANS 3,4,5,6) Prerequisites: BIOL 2401 and BIOL 2402. Corequisite: SURG 1612.

SURG 1612 Introduction to Surgical Techniques

SURG 1613 Principles of Surgical Technology

SURG 1614 Surgical Technology Clinical II

SURG 1615 Surgical Technology Clinical III

Vocational Nursing (see Nursing)

Welding Technology (see Metal Trades)

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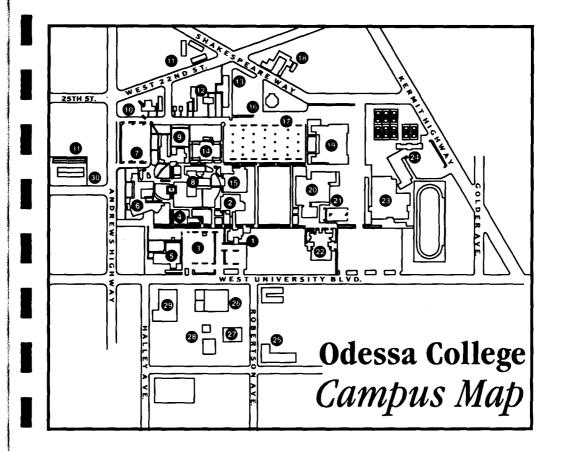
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High School last attended								
Name o	f Sch	loor				City	County	State
Did you graduate from high school?		Yes		No	o Date	of Graduation: _	Month Man	_
If you did not graduate did you receive a GED?		Yes	O	No	o Date	GED received: _	Month/Year	
Are you currently in high school?	0	Yes	O	No	0		Month/Year	
If you are currently in high school, will you be attend	ding	as a (an)	0	Dual Credit (Con	current Enrollme	ent) student	Early Admission student
DUAL CREDIT (CONCURRENT ENROLLMENT) - You (Requires a Concurrent Enrollment form from your high	u are	enroli	ling i	n a (class in which you	ı will eam both h	igh school and	
EARLY ADMISSION - You are still in high school and r (Requires an Early Admission form from your high school	not ta	aking n	nore	tha	n two college cou	rses.		
is this your first time in college?	o	Yes	0	No	o (If Yes, go to th	ne TASP section	below.)	
List ALL colleges or universities you have attended. List admission or dismissal if enrolled. NOTE: An official trainstitutions previously attended.	t the	most i	recer at inc	ntly :	attended institution les grades from the	on first. Failure to e last semester i	o disclose colle in attendance is	ges may result in non- e required from ALL
College/University Name				City	y, State	Firs Semester/Yea		Last Semester/Year Attended
Total semester hours completed at all colleges/univ			_					
TASP STATUS I have taken the TASP I am exempt fr	om t	he TA	SP		I have not to	aken the TASP		
Official TASP scores or proof of exemption must be pro- Texas public institution of higher education. Completion	vided	d prior	to co					a TASP-waived certificate at any
CERTIFICATE STATEMENT I understand that information submitted herein will be relied upon by college officials to determine my status for admission and residency eligibility. I authorize the college to verify the information I have provided. I agree to notify officials of any change in the information provided. I certify that the information on this application is complete and correct and understand that the submission of false information is grounds for rejection, reversal of acceptance, cancellation of enrollment, or initiation of disciplinary action.								
Signature					Date			
			FOF	R OF	FFICE USE			
Approved Texas resident	by t							
ResClassificationVISA	Α.,		_ Ne	w S	Student	Transfer	Re-entry	Surveyed
Remarks								



- 1. Administrative Wing
- 2. Student Union Building/Bookstore
- 3. Continuing Education Drive-Thru Registration Booth
- 4. Student Activity Center-Travis Hall
- 5. Jack Rodgers Fine Arts Center
- 6. Deaderick Hall
- 7. KOCV TV/KOCV FM
- 8. Learning Resources Center
- 9. Baskin Hall
- 10. Wrangler Hall
- 11. Custodial Department, Shipping & Delivery
- 12. Baptist Student Union
- 13. Parker Downs Hall
- 14. Wilkerson Hall
- 15. Gymnasium/Gymnastics Center
- 16. Globe of the Great Southwest

- 17. Anne Hathaway Cottage
- 18. Physical Plant/Transportation
- 19. Electronics Technology Department
- 20. Sedate Hall
- 21. Children's Center
- 22. Composite Technology Building
- 23. Sports Center
- 24. Tennis Center
- 25. Construction Department
- 26. Continuing Education Annex A
- 27. Continuing Education Annex B
- 28. Continuing Education Annex C
- 29. Cosmetology Building
- 30. Haley Diesel Mechanics Center
- 31. Auto Mechanics Center

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