



# LAMAR UNIVERSITY

COLLEGE OF TECHNICAL ARTS

1997-98 Bulletin - Volume 28 Number 2



**LEGEND TO MAP OF LAMAR UNIVERSITY · BEAUMONT**

Administration (Plummer Bldg.) ..... 48

Newman Catholic Center ..... 62

# 1987-88 Calendar

**Spring Semester-1988**

**January 1988**

**JANUARY**

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

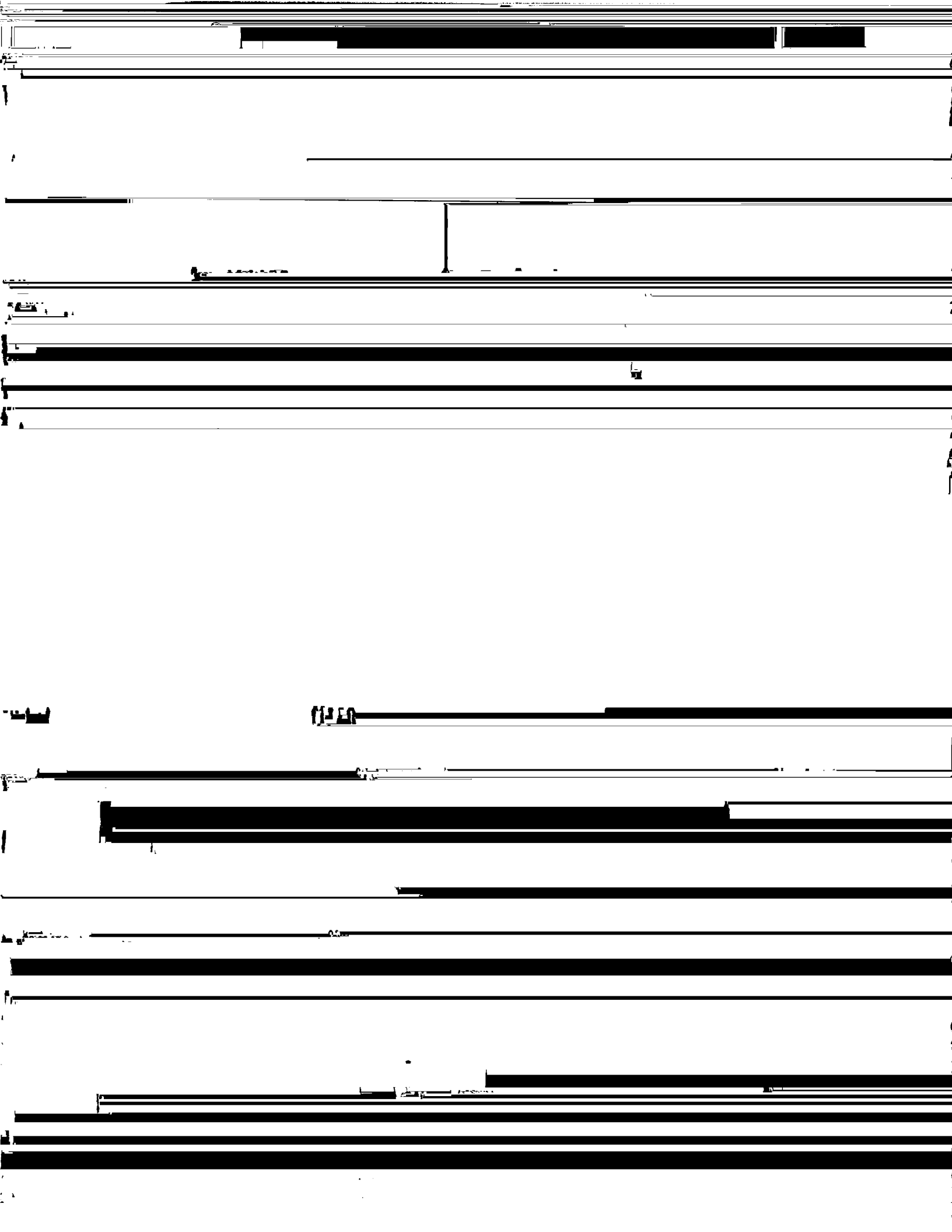
- 7 International Student Orientation
- 8 Orientation—New students
- 10 Dormitories open at 1 p.m.  
Dining halls open at 4:30 p.m.
- 11 Registration begins
- 12 Registration
- 14 Classes begin  
Schedule revisions—late registration
- 15 Last day for schedule revisions and/or late registration
- 29 Twelfth Class Day

**FEBRUARY**

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27

**February 1988**

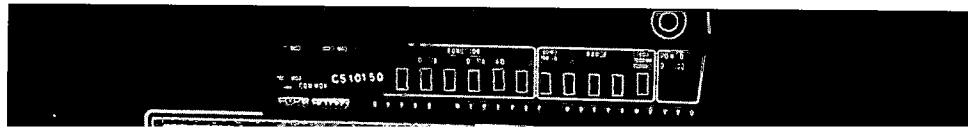
- 25 Last day to drop or withdraw without penalty  
Last day to petition for no grade





## Table of Contents

General Information .....	9
Admissions .....	11
Financial Aid and Awards .....	12
Fees and Expenses .....	14
College of Technical Arts .....	19





Several departments and programs have been accredited by professional agencies. In the College of Engineering, the programs in Chemical, Civil, Electrical, Industrial and Mechanical Engineering are accredited by the Accreditation Board for Engineering and Technology. The undergraduate and graduate programs of the College of Business are

# Admissions

## Admission Services, Orientation and Recruitment

## Financial Aid and Awards

Financial assistance in the form of scholarships, grants, loans and employment.

Estimated amount to be determined. The final Basic Grant will be determined at the

## Fees and Expenses

Lamar University reserves the right to change fees in keeping with acts of the Texas Legislature and the University's Board of Regents.

### Payment of Fees

A student is not registered until all fees are paid in full. Payment may be made by

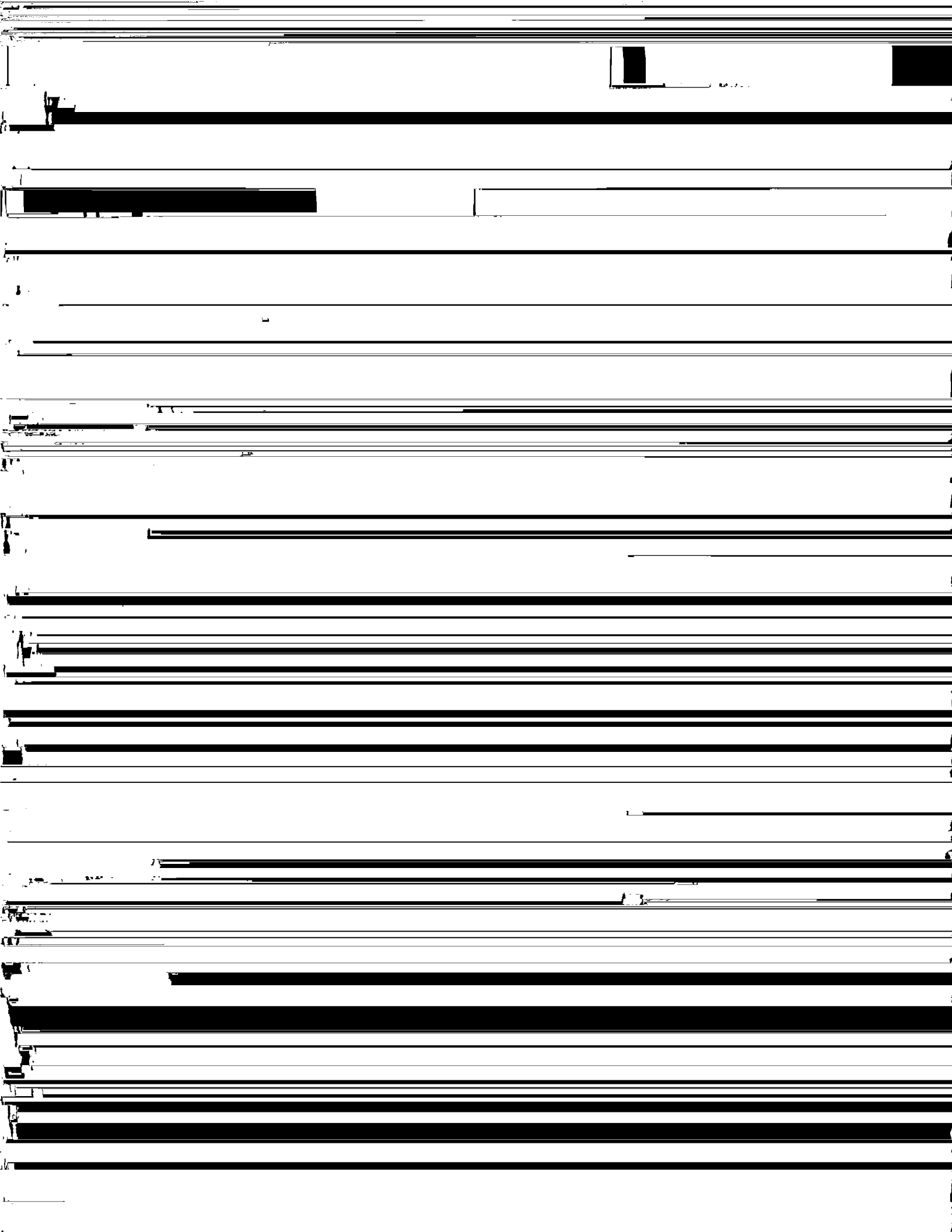


# Summary of Fees

Additional fees and charges which are applied on a selective basis are listed following the Summary of Fees.

## Fall 1987

No. of Semester	Tuition		Student Service	General Use	Setzer Center	Health Center	Total Charge	
	Texas	Non-Texas					Texas	Non-Texas



**Refund of Fees-Withdraw Refunds**

Any student officially withdrawing during the first part of the semester will receive a refund on tuition, Setzer Center, student service, laboratory, building and general use and private lesson fees according to the following schedule:

**Fall or Spring Semester**

1. Prior to the first class day, 100 per cent.
2. During the first five class days, 80 per cent.
3. During the second week of the semester, 70 per cent.
4. During the third week of the semester, 50 per cent.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

# College of Technical Arts

... of technical and industrial education for them

The curriculum of each program is designed to allow students to



## **Adult Training Programs**

**Supervisor: Norman E. Lowrey**

**218 Beeson Technical Arts Building**

### **Child Care Technology**

This course of study is provided for persons preparing for, or employed in, the field of early childhood care. The courses may be used as academic instruction in working toward national Child Development Associate requirements, but do not provide Child Development Associate certification by themselves. An Associate of Applied Science degree will be awarded upon completion of the program.



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

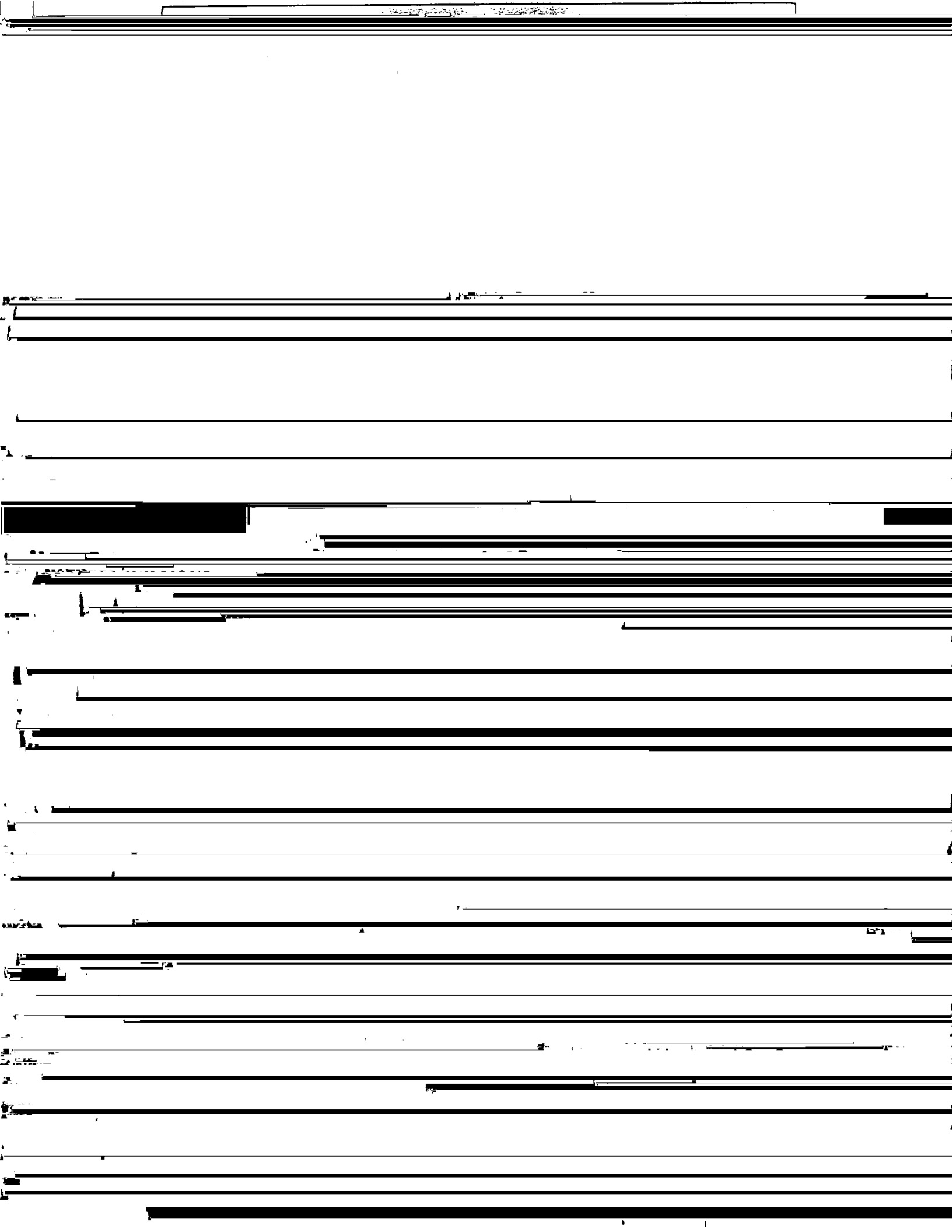
[REDACTED]

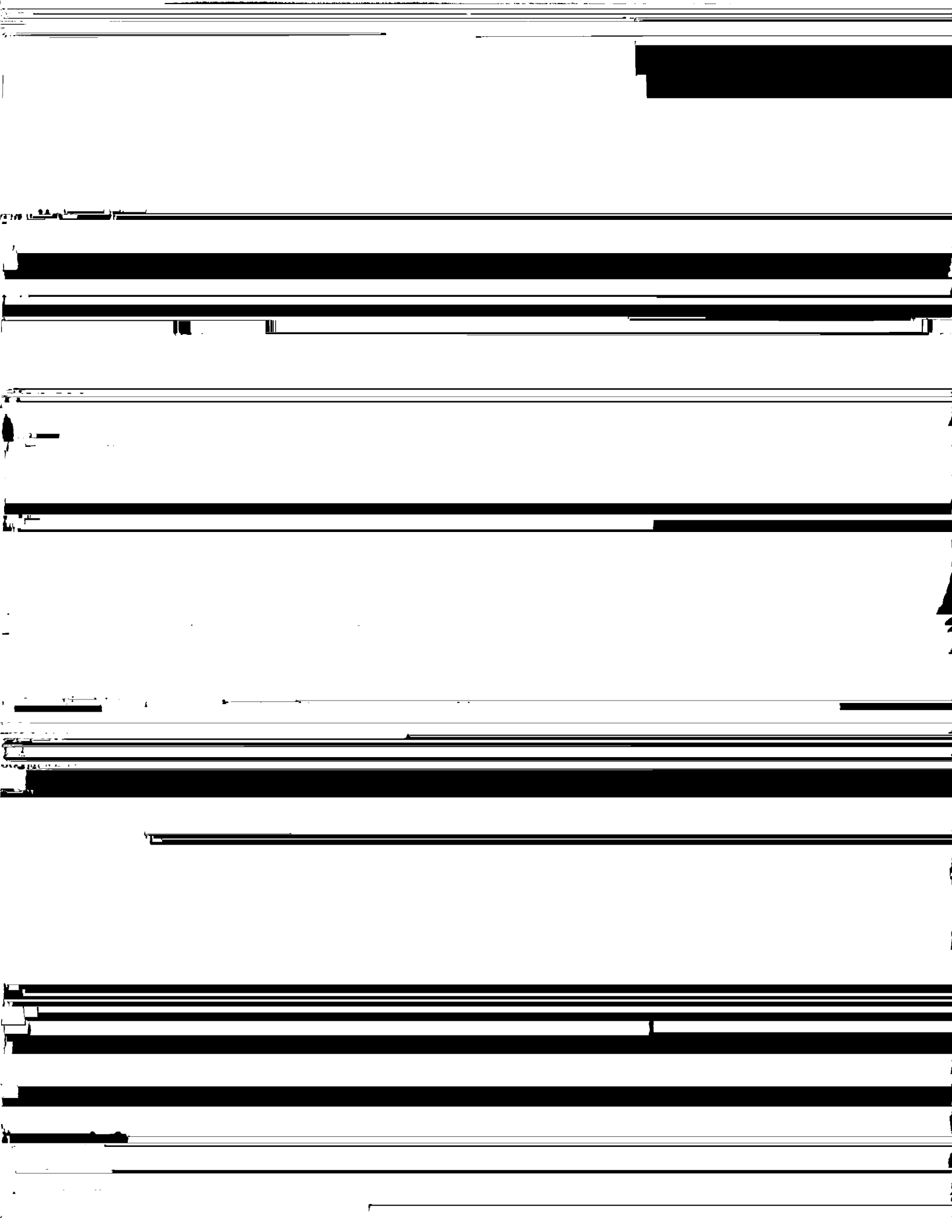
[REDACTED]

[REDACTED]

[REDACTED]







**134 Fire Prevention**

3:3:0

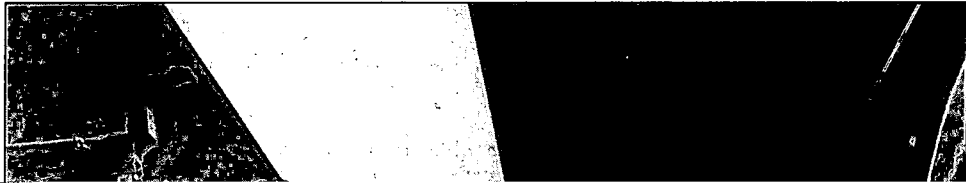
The objectives and views of inspections, fundamental principles, methods, techniques and procedures of fire prevention administration. Fire prevention organization; public cooperation and image; recognition of

be taught in the evening hours as well as the regular day schedule to accommodate the shift worker.

A graduate of this two year instructional program is awarded the Associate of Applied Science Degree. A Certificate of Completion will be awarded upon completion.

235 Security Administration

3:3:0





# Industrial Department

Department Head: Carey B. Wesley

220 Beeson Technical Arts Building

**Appliance Repair**

## **Diesel Mechanics**

The two-year diesel mechanics program is designed to prepare the graduate for a career in the operation, repair and maintenance of diesel engines.

Diesel engines provide power for transportation equipment such as heavy trucks,

- 136 Basic Shop Procedures** 3:0:7  
Installation, operation, maintenance and repair of diesel engines, hand tools, and precision instruments, shop safety, fastening devices and tubing fabrication.
- 137 Precision Instrument Application** 3:0:7  
Installation, operation, maintenance and repair of diesel engines; disassembly, measuring, checking for wear, proper assembly, correct use of taps and dies, flaring tools and torque wrenches.
- 138 Tune-up and Repair** 3:0:7

Because they often carry through all operations, machinists may use the drill press, lathe, milling machine, grinder and other machines to complete individual parts. Students therefore are consistently encouraged to develop responsibility and self-reliance.

Students of this program study cutting tools and materials and will use metal removing machines in the shop to advance their abilities. Graduates are awarded the Associate of Applied Science degree.

### Recommended Program of Study

First Semester		Second Semester	
MT 131 Introduction to Hand and Mac Tools . . .	3:3:0	MT 134 Introduction to Milling Machines . . . . .	3:3:0
MT 132 Fund of Lathe . . . . .	3:3:0	MT 135 Introduction to Grinding Mac . . . . .	3:3:0
MT 133 Basic Drill Press and Lathe . . . . .	3:3:0	MT 136 Milling Machines . . . . .	3:3:0

[Redacted text content]

### Recommended Program of Study

First Semester		Second Semester	
RAC 131 Basic Refrig Prin*	3:3:0	RAC 134 Refrig Theory*	3:3:0
RAC 132 Basic Elec and Elec Devices*	3:3:0	RAC 135 Comm Refrig*	3:3:0
RAC 136 Basic Refrig*	3:0:7	RAC 138 Basic Refrig and Service Proc*	3:0:7
RAC 137 Basic Elec Wiring and Testing Proc*	3:0:7	RAC 139 Basic Elec Wiring and Control Systems*	3:0:7
TM 132 Fundamentals of Math II or			

**231 Principles of Air Conditioning**

3:3:0

Refrigeration for summer comfort cooling systems, air cycles, properties of air, psychrometric processes, application of warm air heating systems, sizing and balancing air ducts, and application and selection of humidification equipment.

Prerequisites: RAC 134 and RAC 135.

3:3:0

## Recommended Program of Study

**First Semester**  
Wld 131 Oxyacetylene Welding\* .....3:3:0  
Wld 132 AC DC Welding - Oxyacetylene

**Second Semester**  
Wld 134 Arc Cutting; Metal Surfacing and



[REDACTED]



[Redacted]

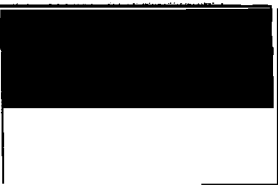
[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]



**Third Semester**  
\*IS 1313 Critical Path Scheduling ..... 3:3:0  
Soc 131 Introduction to Sociology ..... 3:3:0

**Fourth Semester**  
MM 238 Legal Aspects of Business ..... 3:3:0  
\*IS:1322 Labor Relations and Legislation ..... 3:3:0

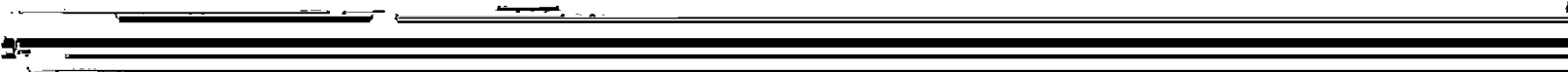
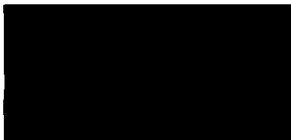


**231 Technical Writing**

**3:3:0**

A study of the techniques of technical writing and its application to the individual student's major field.

Prerequisite: Student must have taken RC 100 as its academic equivalent.





## Recommended Program of Study

First Semester		Second Semester	
English Composition .....	3:3:0	English Composition .....	3:3:0
TM 134 Bus Math .....	3:3:0	BDP 133 Intro to BDP .....	3:3:0
MM 132 Free Enterprise System I .....	3:3:0	BDP 131 Introduction to Technical Accounting .....	3:3:0



[Redacted line of text]

[Redacted line of text]

A. O. [Redacted]

80

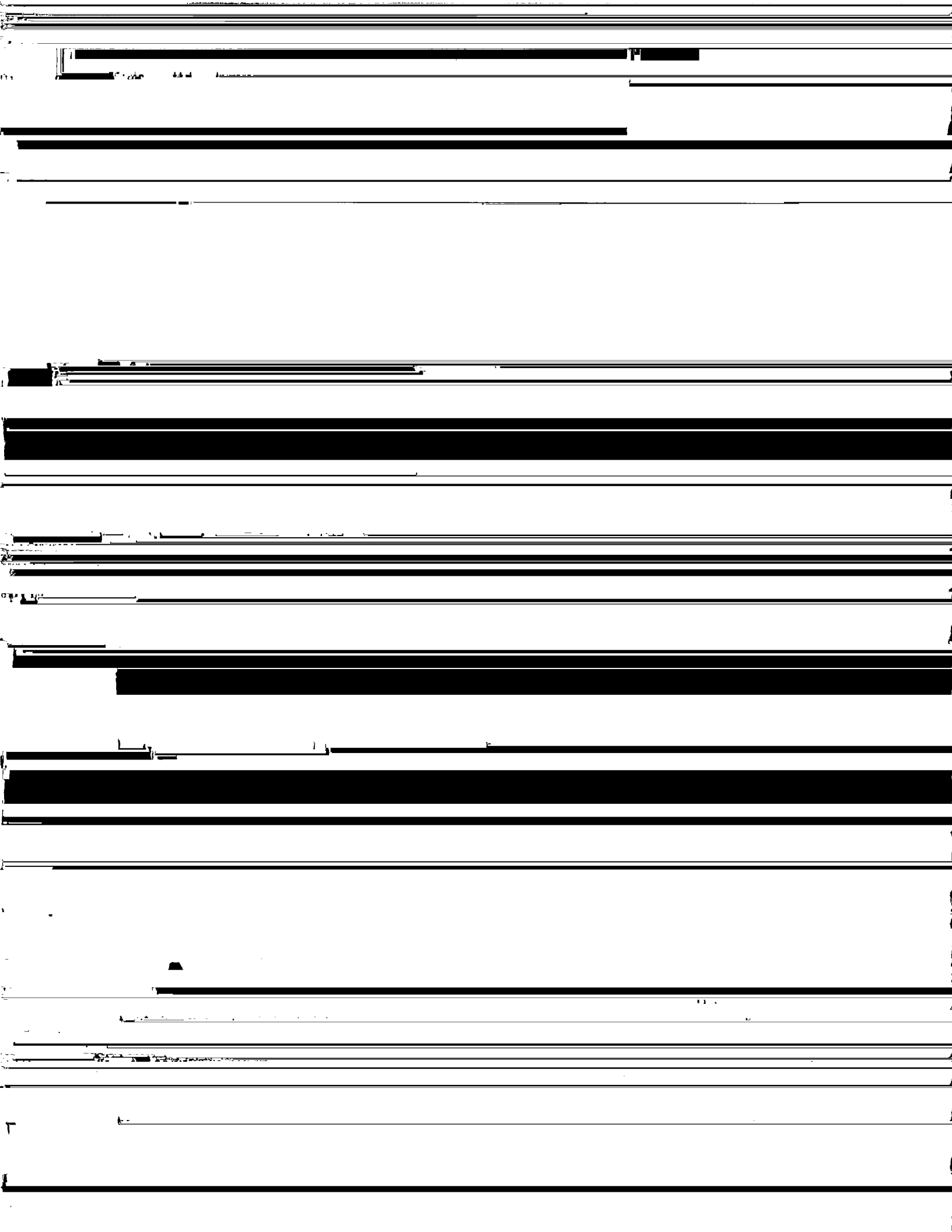




**1302 Electronic Circuits Theory II**

3:3:0

This course covers ac circuits, inductance, impedance, rectifiers, power supplies and regulation and on.



## Recommended Program of Study

**First Semester**  
CDT 121 Drafting Instruments

3-2-0

**Second Semester**

CDT 124 Civil Arch. Drafting

3-2-0





**2361 Special Topics in Drafting**

**3:0:6**

An investigation into specialized areas of general drafting and/or computer aided drafting under the direct guidance of a departmental faculty member. This course may be repeated for credit when topics of investigation differ. Registration for this course requires departmental approval.

**2371 Pipe Drafting and Computer Design Laboratory**

**3:0:6**

Third Semester

Fourth Semester

- |                                    |  |       |
|------------------------------------|--|-------|
| <b>2331 Electronic Physics</b>     | A basic study of light, sound and mechanics as they relate to the field of electronics.<br>Prerequisites: TM 1334 and IET 139. | 3:3:0 |
| <b>234 Microprocessor Theory I</b> | Development of the computer, numbering systems, logic circuits, arithmetic logic.<br>Prerequisites: TM 200 and TM 200.         | 3:3:0 |

## **Division of Public Services Occupational Technical Programs**

The purpose of Occupational Technical Programs is to serve the educational and

Crane Safety  
Fork Lift Operator Training  
Fire Brigade Leadership  
Train-the-Trainer

## **Lamar University - Orange**

Lamar University began offering courses in Orange, Texas, in 1969 on an extension basis. In 1971, the Texas Legislature created Lamar University at Orange and the citizens of Orange provided facilities for the educational center. The campus became part of the Lamar University system in 1983. The facilities have been expanded with the acquisition of land formerly owned by the U.S. Navy. An extensive remodeling of the main building



## **Academic Policies and Procedures**

### **Graduation Requirements**

#### **Associate of Applied Science**

Generally, students are eligible for graduation when they have completed an approved program of study. Specifically, a student must:

1. Satisfy all admission requirements.
2. Complete an approved degree plan.
3. Have at least a 2.0 grade point average on all courses attempted in the College of

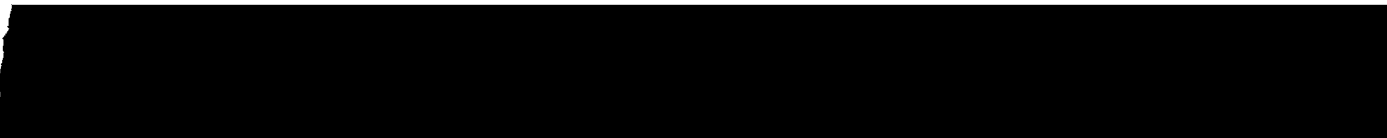


and additions of courses will be of approximately equal credit so that no student will have an overall appreciable increase of total credits required for graduation.

Any first-time college student who entered a junior college on or after September 1, 1999, and who transfers to James University to graduate under the James Univer

The instructor may award the grade of F for a student who is absent for 10 class

A student may not withdraw within seven calendar days of the beginning of final examinations or three calendar days before the end of a summer term. A student who leaves without withdrawing officially will receive a grade of "F" in all courses and forfeit all refundable fees. Students should check the published schedule for specific dates. See

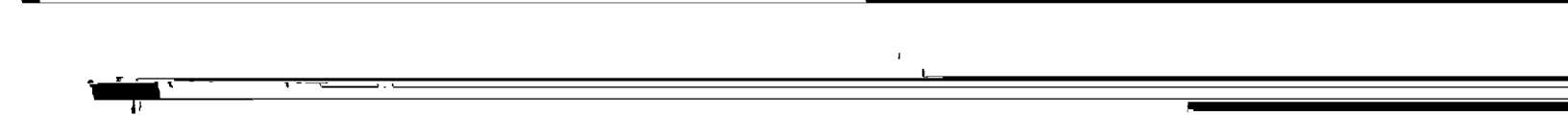
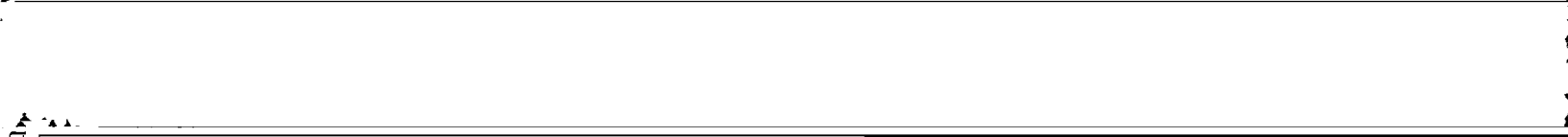
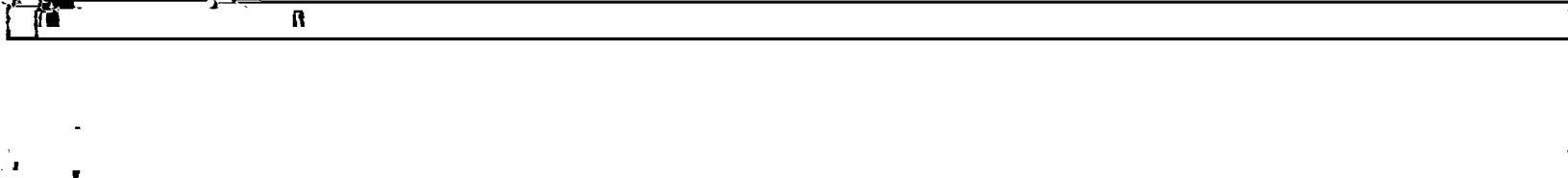
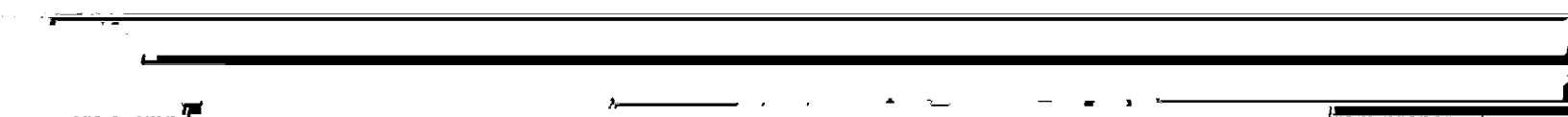
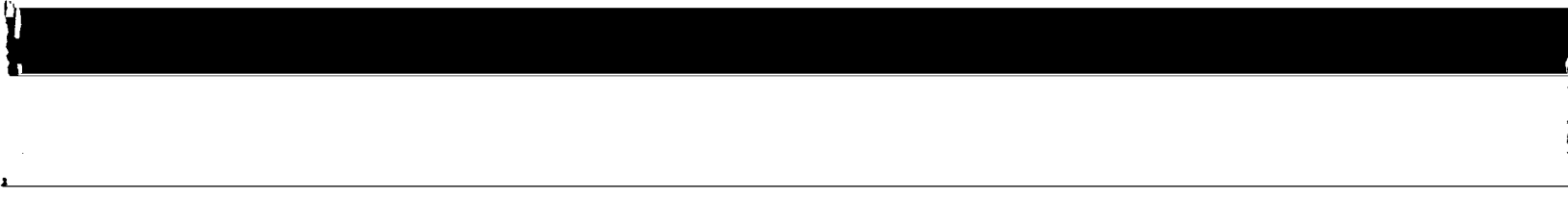
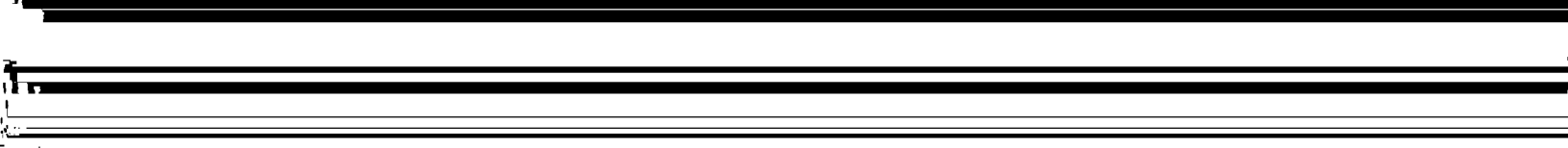
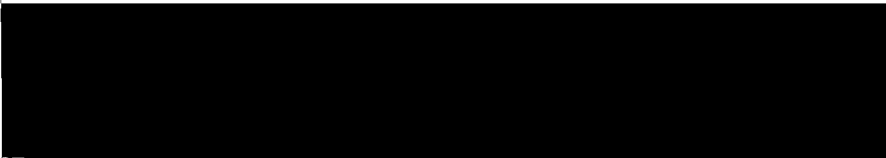


Students suspended from Fall, Spring or Summer semesters by this action may attend the Summer Session on probation. Students with a grade point deficiency less than 25 at the close of the Summer Session will automatically be reinstated and may register for the following Fall Semester. Students with a grade point deficiency of 25 or more at the end of the Fall, Spring, or Summer Session must obtain approval for probationary re-enrollment

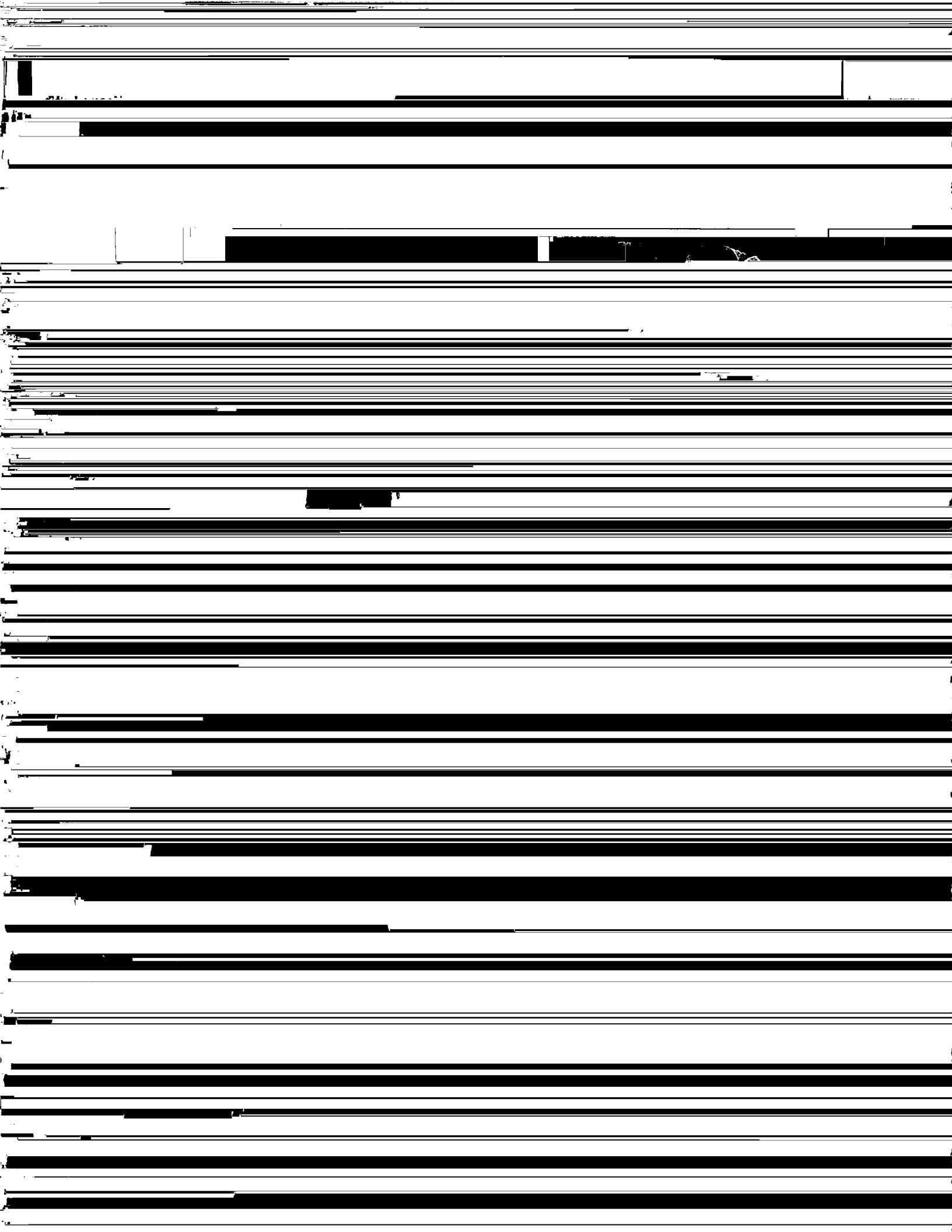
recitation or seminar meetings per week. The third number is the required laboratory hours per week. The letter A indicates that the hours are Arranged, usually with the instructor of the course.

**New Courses**

In order to meet changing educational requirements, the University reserves the right









[Redacted]

SECRET

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

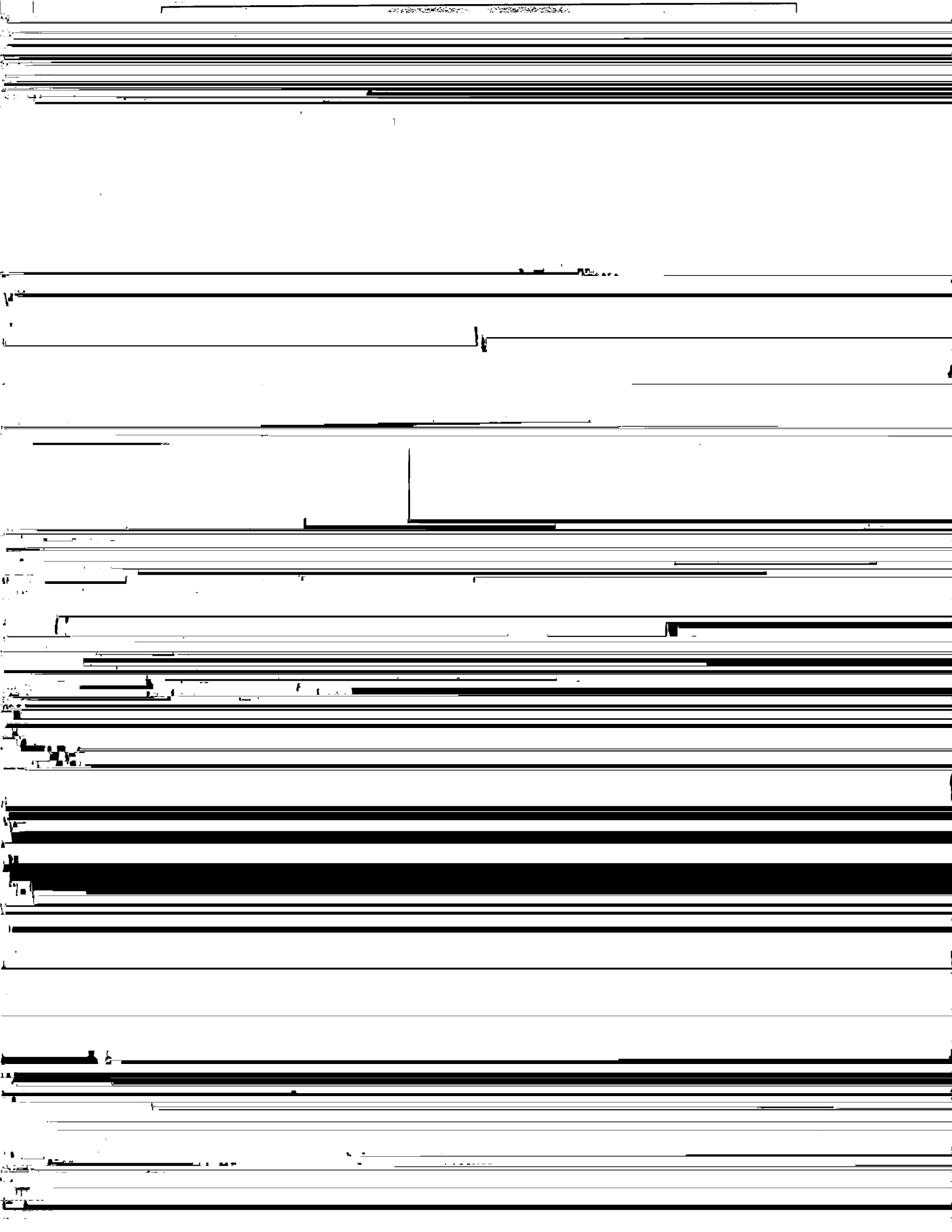
### **Learning Skills Programs**

The Department of Learning Skills is continually seeking to develop new programs and approaches to aid students in making the most of their college experience and thus increase student retention.

Carefully selected and trained student counselors under the direct supervision of the

In addition to credit Bible courses, the centers offer opportunities for worship, non-credit Bible study, and counseling to aid the student in developing a meaningful context for his







**Bookstore**

with a fully computerized system providing open access to 800,000 volumes. Seating ac-



[The main body of the page is almost entirely obscured by dense, horizontal black lines, likely representing a corrupted scan or a redacted document. Only a few faint, illegible characters are visible through the noise.]

# Directory of Personnel 1987-88

## Board of Regents

H. D. Pate, Chairman ..... Bridge City  
Thomas M. Maes II, Vice Chairman ..... Reaumont

**Clark, Lynnwood M. Jr.**, 1972, Instructor II of Business Data Processing  
B.S., Lamar University

**Chappell, Dana L.**, 1985, Instructor I of Child Care Technology  
B.S. Ed., University of Pennsylvania; M.S. Ed., Duquesne University

**Darbonne, Robert V.**, 1985, Adjunct Instructor of Instrumentation

**Musselwhite, John C.**, 1982, *Instructor I of Industrial Electronics Technology*

**Neissingh, Christian C. Jr.**, 1982, *Instructor II of Diesel Mechanics*  
A.A.S., Lamar University, B.S., New York State University at A Oswego

**Nelson, Floyd A.**, 1985, *Instructor I of Instrumentation*

**Neidle, Kenneth V.**, 1984, *Instructor I of Diesel Mechanics*



**Beaumont Campus Administrative Staff:**

**Kenneth E. Shipper**, *Dean*

**Norman E. Lowrey**, *Supervisor of Adult Training*

**Harry L. Williams**, *Vocational Counselor*

**Nancy Davis**, *Coordinator of Special Services*

**M. Paul Roy**, *Placement Coordinator*

**Dixie Collier**, *Coordinator of Handicapped Services*

**Gerald Braquet**, *Technician, Technical Department*

**D.J. Leger**, *Technician, Industrial Department*

**Richard Neumann**, *Director of Assessment*

**Lynette Cardwell**, *Secretary to the Dean*

# Index

A

Grade Points .....	65
Grading System .....	63

Related Arts Department .....	41	Student Records .....	68
Residence Classification .....	18	Suspension .....	65







[REDACTED]

