### \*DRAFTING

Ben Daw, Department Chairperson Larry Huffman

- DRFT 112. Technical Drafting. (4 credits). The principles of technical drawing as required to express ideas graphically are introduced. Topics include: use of instruments, geometric construction, orthographic projection, sections, auxiliary views, revolutions, dimensioning, axonometric projection, intersections and developments. (3 lecture and 6 laboratory hours per week).
- DRFT 213. Pipe Drafting. (4 credits). A basic course designed for the study of engineering standards, pipe and fitting designs, symbols and specifications. (3 lecture and 6 laboratory hours per week).
- DRFT 223. Structural Drafting. (4 credits). A course designed to cover AISC specifications and standards, design and detail, or structural members and connections. (3 lecture and 6 laboratory hours per week).
- DRFT 233. Electrical Drafting. (4 credits). An introduction to electrical schematics and diagrams. Also covers basic electricity and study of electrical and electronic symbols, their application and associated terminology. (3 lecture and 6 laboratory hours per week).
- DRFT 243. Architectural Drafting. (4 credits). Basic drafting techniques as related to the preparation of residential details, with emphasis on floor plans, plot plans, foundations, structural details, sections and elevations. (3 lecture and 6 laboratory hours per week).

## \*HORTICULTURE (ORNAMENTAL)

Steve Wheeler, *Department Chairperson*James Layton

- HORT 102. Principles of Horticulture. (4 credits). This course presents fundamental principles and practices of structure, growth, development, maintenance, and use of horticultural plants. The course outlines the commercial horticulture industry and occupational opportunities. The laboratory experience provides an introduction to growing, grounds maintenance, planting, transplanting, and plant maintenance. (3 lecture and 6 laboratory hours per week).
- HORT 112. Plant Materials for Landscape Use. (4 credits). This course provides a study of ornamental trees, shrubs, vines, and ground covers for landscape use, and it emphasizes their identification, characteristics, adaptability, use, and maintenance. Students use basic concepts and practices in preparing landscape plans. (3 lecture and 6 laboratory hours per week).
- HORT 122. Plant Propagation. (4 credits). This course provides the student with theoretical consideration and practical experiences in producing horticultural plants by sexual and asexual methods. It includes laboratory exercises in cutting, layering, division, growing from seeds, budding, and grafting. (3 lecture and 6 laboratory hours per week).
- HORT 222. Chemical Control of Weeds, Plants, Diseases, and Pests. (4 credits). This course covers the identification, cause, and control of common weeds, plant diseases, and pests, and it includes a study of equipment for their prevention and control. (3 lecture and 6 laboratory hours per week).
- HORT 251. Vegetable Crops. (4 credits). This course is a study of vegetable production, and it includes factors that affect production of important fresh market and processing vegetables in different areas of the United States. (3 lecture and 6 laboratory hours per week).

### \*RADIO AND TELEVISION REPAIR

Dorothy Burgett, Department Chairperson Buddy Brogdon, Lew Garrett

- RATV 110. Basic Radio Receivers. (4 credits). An introduction to radio receivers and radio circuitry. Prepares the student for radio servicing and is the basic foundation for further study in television servicing of black and white, color and industrial closed circuit as well as home receivers. (3 lecture and 7 laboratory hours per week).
- RATV 120. Basic Television Receivers. (4 credits). Study of television circuits as applied to the black and white home and industrial closed circuit receivers. Servicing experiments in lab will be done on actual lab TV receivers using upto-date equipment and schematics. The use of the VTVM and the scope is emphasized. (3 lecture and 7 laboratory hours per week).
- RATV 220. Basic Color Television. (4 credits). The study of color television circuits as they are applied to the modern receiver. The student will study color, mixing both additive and subtractive methods, requirement of the composite color signal, makeup of the color picture tube, convergence, and troubleshooting procedures. All lab experiments are performed on live color receivers, using upto-date equipment and schematics. (3 lecture and 7 laboratory hours per week). Prerequisite: RATV 120 or equivalent.
- RATV 230. Advanced Service Techniques. (4 credits). A course of study designed for the technician who is familiar with television circuitry and wants to progress to advance servicing techniques. Includes visual alignment and overall response analysis. (3 lecture and 7 laboratory hours per week). Corequisite: RATV 120 or equivalent.
- RATV 260. Communications I. (4 credits). Theory and application of electronics from basic through transmitters and antennas. Lab includes application, operating and testing of communication equipment. (3 lecture and 7 laboratory hours per week).

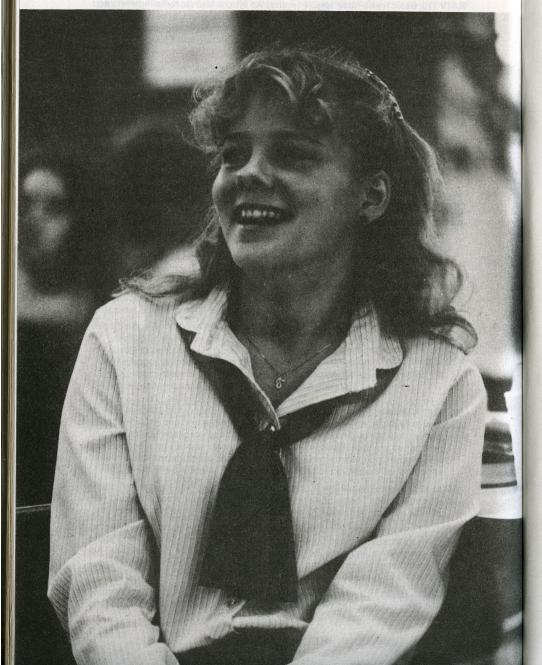
### \*WELDING

Bruce Westmoreland, *Department Chairperson*Gary Church, Jon Withrow

- WELD 111. Welding Processes and Safety. (4 credits). Theory and practice in techniques of oxy-acetylene welding and cutting. Layout and preparation of commonly used joints. Servicing and regulation of oxy-acetylene equipment and basic shop practice. Basic welding machine theory and set up procedures of electrical arc welding machine. This course will also include an introduction to shop and job safety. (3 lecture and 6 laboratory hours per week).
- WELD 120. Arc Welding (Plate I). (4 credits). Metal cutting with oxygen and acetylene equipment. Theory of plate welding. Plate welding in three positions: flat, vertical up, and horizontal. (3 lecture and 6 laboratory hours per week).
- WELD 123. Arc Welding (Plate II). (4 credits). Advanced theory of plate welding. Plate welding in five positions: flat, vertical up, horizontal, vertical down, and overhead. Root and Face Bend tests for qualifications of plate welders. Advanced theory and troubleshooting procedures for electronic arc welding machines. (3 lecture and 6 laboratory hours per week).
- WELD 132. Basic MIG and TIG. (4 credits). Theory of Tungsten Inert Gas Welding and Metallic Inert Gas Welding. Laboratory experiences in gas shielded arc welding. (3 lecture and 6 laboratory hours per week.)

**WELD 253. Pipe Welding I.** (4 credits). Theory of pipe welding. Cutting and beveling pipe with oxygen and acetylene equipment. Pipe welding in two positions: Rolling and horizontal. (3 lecture and 6 laboratory hours per week).

\*Courses offered only at the Texas Department of Corrections.



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M.Ed., Texas Christian University	
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Fred Basel	Computer Operations Supervisor
Michael R. Bass	
Charles Bennett	Instructor of Mathematics
Jo Bennett	Instructor of Speech/English
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Gilbert Benton	Instructor of English
John Bethscheider	Instructor of Law Enforcement/ Correctional Science and Sociology
	Associate Dean of Occupational/ Technical Programs
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M.A., Sam Houston State University Ed.D., Nova University	
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M.A., University of Houston at Clear Lake	City

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Frankie Blansit	Instructor of Physical Education/ Volleyball Coach
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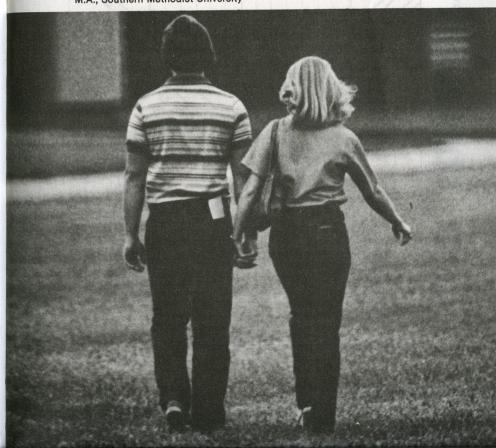
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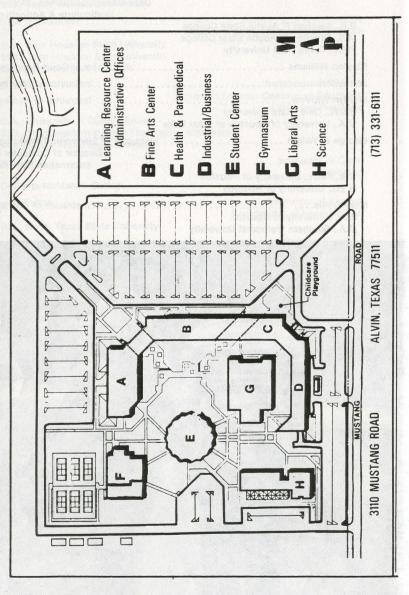
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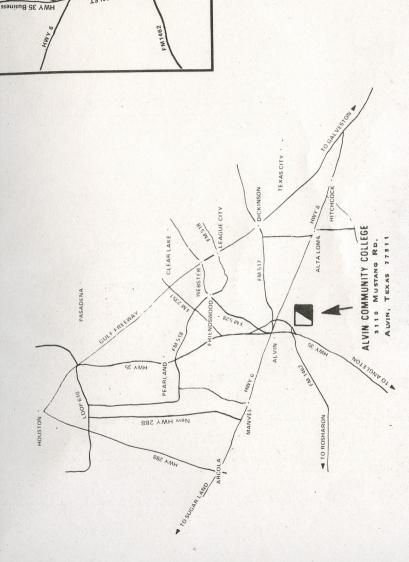
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# COMMUNITY



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