

EDUCATION—The
Acquisition of skills;
The Development of
Knowledge; and the
Pursuit of Wisdom—
Anonymous



1972/73



"no one a stranger, a stranger to no one"



**OKALOOSA-WALTON
JUNIOR COLLEGE**



ACCREDITED BY

**SOUTHERN ASSOCIATION OF COLLEGES
AND SCHOOLS**

FLORIDA STATE DEPARTMENT OF EDUCATION

MEMBER

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POINT OF VIEW

Okaloosa-Walton Junior College is committed to the belief that provision of opportunities for continuing study is the most desirable approach to fulfillment of the aspirations of the citizens of Northwest Florida. This age of accelerated change, of rapid occupational obsolescence, and of man's intensified search for meaning in his life demands such a commitment. Consequently, every effort of the College draws its strength and structure from its determination to assist in making continuing study a reality for students of all ages.

CALENDAR

1972-73

ALL PROGRAMS—CREDIT AND NON-CREDIT

FALL SEMESTER

Pre-registration Sessions (New and Previously-enrolled students, in groups by invitation)	July
General Faculty Meeting (8:00 a.m.)	August 17
Orientation for New Students (10:00 a.m.-4:00 p.m.) (Required for all new full-time students)	August 17
Registration at Eglin AFB (10:00 a.m.-4:00 p.m.)	August 17
Student Life Day for new students (required for Freshmen and Transfers)-(10:00 a.m.-4:00 p.m.)	August 18
Registration at Hurlburt Field (8:30 a.m.-Noon)	August 18
Registration—(8:30 a.m.-8:00 p.m.) previously enrolled students-College Credit & Non-College Credit	August 21
(8:30 a.m.-8:00 p.m.) all new students (freshmen and transfers; College Credit & Non-College Credit)	August 22
No Registration—Last Day for 90% Refund	August 23
In-service Seminars for Instructional Personnel	August 23
Class Days	August 24-December 12
Late Registration (College Credit): last days to add courses or receive any refund of Matriculation Fees	August 24-September 1
Last day to pay late or deferred fees	September 1
Labor Day Holiday (all personnel)	September 4
Graduation application Deadline for Fall Semester	October 13
Mid-Term grades due (8 a.m.)	October 20
Federal Holiday (all personnel)	October 23
Last day to drop a course with a grade of “W” or change to audit status	November 1
Thanksgiving Holidays (all personnel)	November 23 and 24
Early Registration	November 28, 29, and 30

Registration for Winter Semester at Eglin AFB (8:30 a.m.-4 p.m.)	December 11
Registration for Winter Semester at Hurlburt Field (8:30 a.m.-Noon)	December 12
Final Examinations	December 13, 14, and 15
Final Grades Due (4:00 p.m.)	December 16
Graduation	December 20
Christmas Holidays (all personnel).	December 22 and 25

WINTER SEMESTER

New Year's Holiday (all personnel)	January 1
General Faculty Meeting (8:00 a.m.)	January 2
Orientation of New Students (9 a.m.-Noon)	January 2
Registration—(9:00 a.m.-1:00 p.m.)-previously enrolled students	January 2
Registration—(1:00 p.m.-8:00 p.m.)-new students	January 2
High School Released-Time Classes Resume	January 3
No Registration—Last Day for 90% refund	January 3
In-service Seminar for instructional personnel.	January 3
Class Days	January 4-April 19
Late Registration (College Credit); last days to add courses or receive any refund of Matriculation Fees	January 4-January 11
Last Day to pay Deferred Fees	January 11
Graduation Application Deadline for Winter Semester	February 16
Federal Holiday (All Personnel).	February 19
Mid-Term Grades due (Noon)	March 2
Last Day to drop a course with Grade of "W" or to change to audit status	March 14
Early Registration	April 16 and 17
Registration for Spring Semester at Eglin AFB (8:30 a.m.-4:00 p.m.)	April 18
Registration for Spring Semester at Hurlburt Field (8:30 a.m.-Noon)	April 19
Easter Holiday (All Personnel).	April 20
Final Examinations	April 23, 24, and 25
Final Grades Due (4:00 p.m.)	April 26
Graduation	April 29

SPRING SEMESTER

Registration—(8:30 a.m.-8:00 p.m.)	May 2
No Registration-Last day for 90% refund	May 3
In-service Seminars for Instructional Personnel.	May 3
Late Registration (College Credit); last days to add courses or receive any refund of Matriculation Fees.	May 4-May 10
Last day to pay late or deferred fees	May 10
Class Days	May 4-July 27
Last Day to Drop a course with a grade of “W”; or change to audit status.	June 22
Federal Holiday (all personnel)	July 4
Graduation Application Deadline for Spring Semester	July 6
American Arts Festival.	July 26-28
Final Grades Due (Noon).	July 30
Graduation	August 1

TERM I

Registration—(8:30 a.m.-8:00 p.m.) All students.	May 2
No Registration—Last day for 90% refund.	May 3
In-service Seminars for Instructional Personnel.	May 3
Class Days	May 4-June 14
Late Registration (College Credit); Last days to add courses or receive any refund of Matriculation Fees	May 4-10
Last Day to pay deferred fees	May 10
Last day to drop a course with a grade of “W”, or change to audit status.	May 31
Graduation Application Deadline for Term I.	June 4
Final grades due (Noon).	June 15

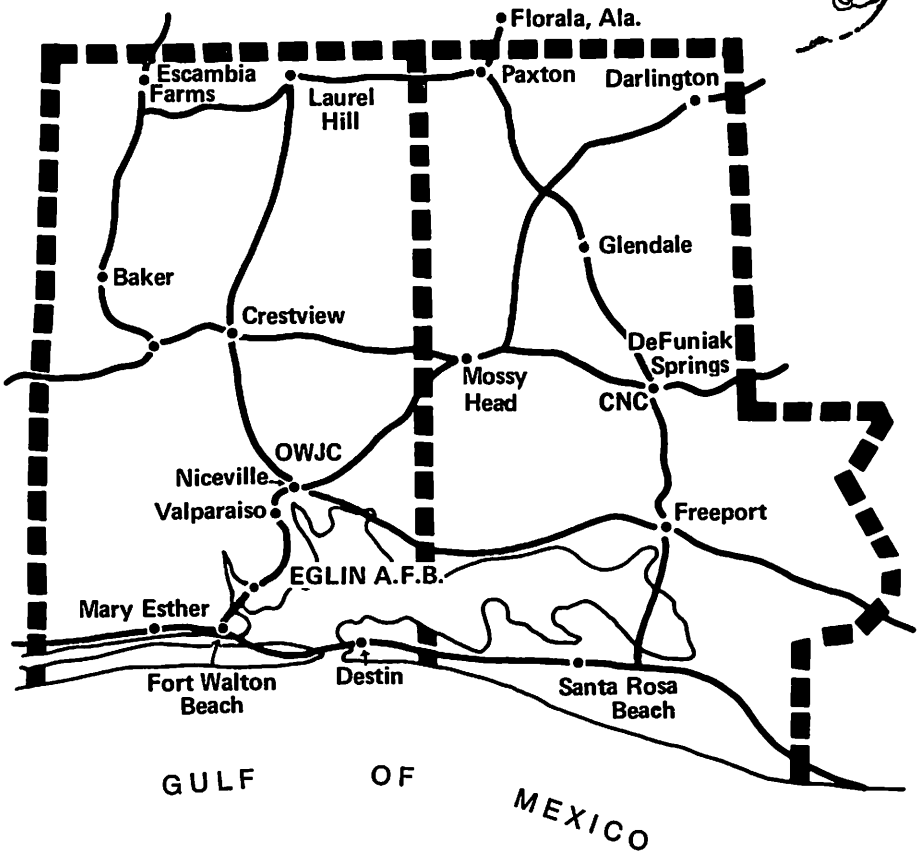
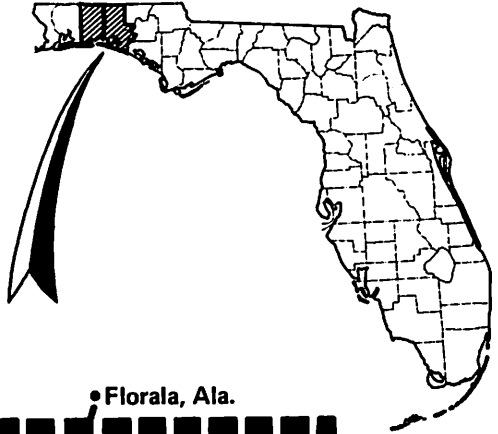
TERM II

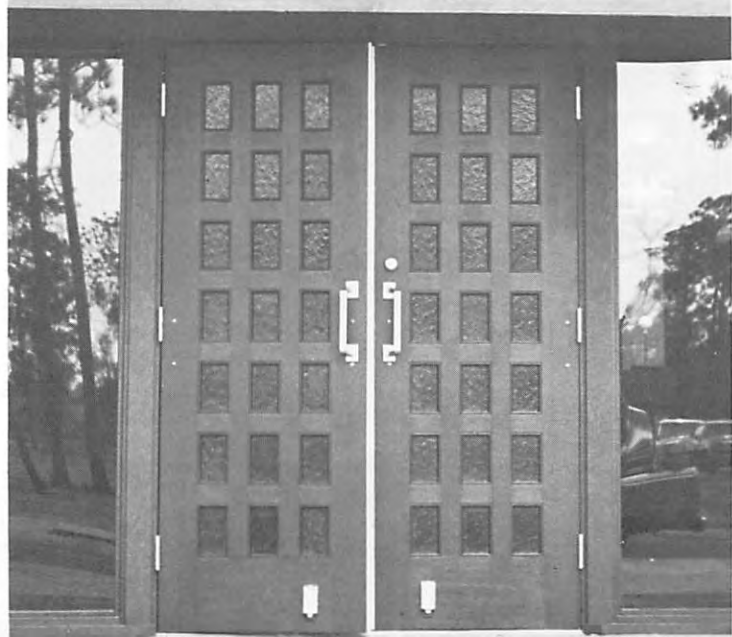
Registration—(8:30 a.m.-8:00 p.m.)	June 14
Last Day for 90% Refund	June 14
Class Days	June 15-July 27
Late Registration (College Credit), last day to add courses or receive any refund of Matriculation Fees.	June 15-19
Last Day to Pay Deferred Fees.	June 19

Holiday (all personnel)	July 4
Graduation Application Deadline for Term II	July 6
Last Day to Drop a Course with a Grade of “W”, or change to audit status.....	July 13
American Arts Festival.....	July 26-28
Grades Due (Noon).....	July 30
Graduation	August 1

NOTE: Students attending OWJC occupational programs under the High School Released-Time Programs will follow the Okaloosa County Public School schedule.

**OKALOOSA-WALTON
JUNIOR COLLEGE
DISTRICT**







GENERAL INFORMATION

OBJECTIVES

1. To provide a harmonious educational environment which may enhance the learning experience of each and every participant in each specific offering and activity of the College;
2. To provide two years of college study which is directly applicable to degrees at the baccalaureate level;
3. To provide two years of college study which will prepare individuals for those positions in industry, commerce, and the service occupations which require such preparation as a condition of or preference in employment;
4. To provide specialized occupational courses and programs which focus directly upon effective continuing gainful employment;
5. To provide adult general education programs which may lead to a special certificate, to a diploma, to particular personal satisfactions, and to new educational and occupational opportunities;
6. To provide services of personnel and use of facilities of the College, as may be suitable, to benefit appropriate needs and interests of its two-county community;
7. To provide stimulation and assistance in facilitating enrichment of the cultural climate of its two-county community.

HISTORY

OKALOOSA-WALTON JUNIOR COLLEGE found its specific beginning on April 16, 1963, at which time the State Board of Education granted it "Priority One" status for organization and operation. The 1963 State Legislature approved and appropriated funds for the establishment of OKALOOSA-WALTON JUNIOR COLLEGE. The Advisory Committee at that time (now the District Board of Trustees) was appointed in December, 1963. The first president of the College assumed his responsibilities on February 15, 1964. Subsequently, the College was named officially on March 3, 1964, and its temporary location was designated as Valparaiso, Florida, effective April 3, 1964. The first faculty members arrived on August 17, 1964 and classes began on August 24, 1964.

The temporary site of approximately twelve acres centered around Perrine Park in Valparaiso. The Twin Cities of Niceville and Valparaiso, Florida, contributed the initial conversion of the parks and buildings, which comprised the former center of the picturesque town of Valparaiso, into a collegiate campus. At the time of its opening session in August, 1964, the campus consisted of seven buildings. As of the fall of 1968 the facilities had increased to twenty-three buildings to accommodate the broader range of programs and the greatly expanded student enrollment.

The permanent site of the main campus, located at the northern boundary of Niceville between State Road 85 and State Road 285 in a beautiful wooded area, was designated on November 24, 1965. Transfer of two hundred sixty-four acres of land from the Eglin Air Force Reservation was made in January, 1966, to the Board of Public Instruction of Okaloosa County on behalf of Okaloosa-Walton Junior College.

The philosophy which undergirded the planning of the new 264-acre permanent college facility, as summarized by OWJC President J. E. McCracken, states "We envision . . . through our program, a movement that will enable an individual to experience all aspects of our great heritage—from arts to sciences; from chemical creativity to technical productivity; from contemplation of primeval origins to consideration of ultimate destinies. The new campus of OWJC should characterize this heritage by infusion of the crafts and the liberal arts, blending these two inheritances into one unified whole, both in program and in architecture."

From the earliest days of its activation OWJC has been in operation as the Community Junior College and Area Vocational School of the Okaloosa-Walton Junior College District. In this combined role, OWJC is an educational complex which serves those persons legally out of grades 1-12 in both on-campus and off-campus locations.

A ceremony marking the dedication of the permanent site was held April 10, 1969, with Congressman Bob Sikes and artist Emil Holzhauer as the principal honored guests. The dedication ceremonies included establishment of the Robert L. F. Sikes Honorary Faculty Chair in government and the acceptance of the Emil Holzhauer Collection for perpetual archives under the care of the OWJC Library.

FACILITIES

The main campus of Okaloosa-Walton Junior College, occupied in January of 1969, has been cited as an outstanding example of a much-needed return to human dimensions in collegiate environments. In contrast to the cold, hard lines of a preponderance of institutional architecture, the warm, inviting profiles of the buildings and their setting confirm a central commitment of the College—"no one a stranger; a stranger to no one."

The new campus, upon completion of its first phase in January of 1969, included the following seven permanent buildings and nine temporary buildings:

The *Administration Building* houses the executive and administrative offices of the College, including instructional services, student personnel services, admissions, registration and business services.

The *Computer Services Building* houses the computer operations and classrooms.

Within the *Business Building* are located business administration, secretarial science, and mid-management programs.

The *Industrial-Technical Building* contains the laboratories for instruction in electronics, air conditioning, heating and refrigeration, drafting and design, and the police science programs.

The *Science Building* is comprised of classrooms and laboratory facilities for programs in biology, physics, physical science, chemistry, and art; and includes therein a greenhouse and a live animal room.

The *Learning Resources Center*, the largest structure on the campus, houses a library of more than 33,000 books, an audio-visual center, a remote access information retrieval system with a capability of ninety-four program sources and ninety-seven audio stations, and a rare books collection. Faculty offices, conference rooms, and classrooms are located on the first floor mezzanines. The upper mezzanines are devoted to "home-base alcove" areas and constitute unique study lounges as part of the library-learning-resource environment.

The *Utilities Building* houses the air conditioning and heating equipment for the entire campus. All utility supply lines are located underground.

The *Student-Faculty Dining Area* provides food service during both day and evening hours.

The *Student Activities Building* provides housing for student publications, student organizations, and correlated facilities for relaxing, recreation, and leisure-time activities.

The *Maintenance Buildings* constitute a central facility for maintenance personnel and activities.

The *College Bookstore* sells textbooks and supplies needed by students, as well as miscellaneous sundries and novelty items.

Three new on-campus buildings and one new off-campus building have been constructed since 1970:

The *Specialized Consumer Services Building* houses the classrooms and laboratories for programs in child development, child care, and commercial foods

The "*Heavy Shops*" *Industrial-Technical Building* houses the classrooms and shops for programs in automotive body repair and painting, automotive mechanics, and welding.

The *Physical Education Facility and Teaching Auditorium Complex*, completed in Spring of 1972, is a multi-purpose facility used to house all indoor physical education activities and indoor intercollegiate and intramural sports events, as well as convocations, theatrical productions, and the Lyceum programs. The complex also contains lecture-classroom and storage facilities.

Ocala-Walton Junior College's *Chataqua Neighborhood Center* located in Defuniak Springs is a special multi-purpose community service facility which was constructed through a HUD grant matched by funds donated by individuals, organizations, and governmental units of Walton County and its municipalities. The Chataqua Neighborhood Center serves those persons from Walton County who are physically, economically, educationally, or otherwise disadvantaged.

One new occupational building will be under construction on campus during the fiscal year 1972-73. Completion of this building—a masonry-trades shop—is expected during the Fall Semester, 1972.

CAMPUS LIFE

The atmosphere on this college campus is determined by the blend of a dedicated faculty with an ambitious, determined, and stimulating student body. From this environment comes an unforgettable chain of memorable experiences for both the faculty and the student. Each student and each faculty member finds himself appreciated for his own nature and for the unique contributions he makes in building and enriching his college—OWJC.

Students find outlets for their particular talents through the college publications, through campus government, through athletics, through hobby groups, and through the many other student activities that complement the central function and purpose of the College—the program of continuing studies.

The students and faculty in each academic year are the primary determiners of the campus life and atmosphere at OWJC in terms of the patterns they maintain and enrich for the campus—this is an opportunity and a responsibility.

EVENING PROGRAMS

The courses and programs offered during the late afternoon and evening are primarily designed for students who are continuing their education on a part-time basis. These courses are basically the same as day courses since they are taught whenever possible by the full-time faculty of the day program or, as becomes appropriate or necessary, by part-time instructors of equivalent preparation and competence.

Degree Programs. A student enrolled in the evening program is limited to a maximum of 12 credit hours per semester. If he is working full-time, he should limit his academic load to 8 credit hours or fewer.

Adult Study Programs. Any student enrolled in these programs should establish with counselors and registration personnel loads suitable to the nature of the program and to his daily work load obligations.

Academic Honors, Probation, Suspension, and Dismissal. Students enrolling in the evening degree programs are subject to the same general rules on honors and on probation, suspension, and dismissal as pertain to the full-time students in the day programs. At such time as the degree program part-time student attains 12 credit hours, his record is subject at that time, and each succeeding 12 semester hour block thereafter, to analysis both for honors and for assessment of probation, suspension, or dismissal status.

YEAR-ROUND OPPORTUNITY

The programs of continuing study at the College vary considerably in their timing. Enrichment programs, workshops, institutes, and numerous certificate programs are offered on demand as sufficient requests occur and for whatever periods of time may be warranted in terms of the nature of the offerings. Special programs are announced as they are developed and the public is especially **INVITED TO REQUEST SHORT OR EXTENDED OFFERINGS** in areas of need or interest.

COMPOSITION OF STUDENT BODY

Okaloosa-Walton Junior College is a co-educational institution serving students of all ages who are legally out of grades 1-12 (by virtue of graduation, age, or circumstances). In 1969-70 for the first time, a unique segment of the student body consisted of released-time high school students with particular vocational interests.

ACCREDITATION

Accreditation by the Florida State Department of Education was granted when the College opened in the Fall of 1964. Effective in December, 1965, the College attained its full accreditation status in the Southern Association of Colleges and Schools.

PROCEDURES AND REGULATIONS

GENERAL ADMISSIONS REQUIREMENTS

(Applicable to *all* enrollees—College-credit, non-College-credit, full-time, part-time—of Okaloosa-Walton Junior College)

OWJC desires to admit into appropriate experiences each and every person legally out of grades K-12 who can benefit from its varied programs of educational and community services.

The College reserves the right to deny admission to any program in the following categories of applicants:

1. Any applicant from outside the District on the basis of such circumstances as lack of classroom space or such other conditions as may affect enrollment eligibility.
2. Any applicant adjudged guilty of unlawful possession of marijuana, or of any narcotic drug, central nervous system stimulant, hallucinogenic drug, or barbiturate as identified in Chapters 398 or 404 of the Florida Statutes.
3. Any applicant the adjudication of whose case is pending following an arrest for any felony and, in particular, arrest for unlawful possession of marijuana, or of any narcotic drug, central nervous system stimulant, hallucinogenic drug or barbiturate as identified in Chapters 398 or 404 of the Florida Statutes.
4. Any applicant convicted of a felony.
5. Any applicant under separation from any previously attended educational institution for non-academic reasons.
6. Any applicant who does not meet the specific requirements of the program (college degree, adult high school, adult basic education, vocational education, enrichment, etc.) he plans to enter.

Such students as are particularly identified in categories 1-6 of the above shall be considered for admission to OWJC only upon written petition filed with the Admissions Officer and addressed to the Admissions Committee of OWJC. Admissions Committee recommendations for action on such petitions shall require approval by the President.

Any action with regard to admission policies made by the Admissions Officer may be appealed to the Admissions Committee. A decisions of the Admissions Committee may be appealed to the Administrative Council. The action of the Council shall be binding upon approval by the President.

NO PERSON SHALL BE ADMITTED TO OKALOOSA-WALTON JUNIOR COLLEGE WHOSE FELONY CONVICTION IS BECAUSE OF OR REFLECTS TRAF-FICKING, SALE, USE OR POSSESSION OF HARD DRUGS—ANY EXCEPTION OF THIS PROVISION SHALL BE SOLELY BY ACTION OF THE ADMINISTRATIVE COUNCIL, AND SUCH EXCEPTIONS ARE NOT ANTICIPATED.

FALSIFICATION OF INFORMATION ON ANY ADMISSION PAPERS WILL SUBJECT THE STUDENT TO DENIAL OF ADMISSION OR TO IMMEDIATE DISMISSAL FROM THE COLLEGE.

SPECIFIC ADMISSIONS REQUIREMENTS

College-Credit Programs:

Degree Programs leading to the Associate of Arts or Associate of Science, Credit Certificate Programs, and individual courses for college credit require that a candidate for admission to such programs or courses satisfy at least one of the following conditions:

1. Graduation from an approved or properly-accredited secondary school.
2. Transfer in good standing from a college or university accredited by its appropriate regional accrediting agency (any transfer student not in good standing—a transcript noted with probation, dismissal, suspension, expulsion, etc.—will be evaluated according to OWJC standards and will be placed into that category and treated according to the standards applied to OWJC's own students). Thus, transfer students so placed in the dismissed or suspended category will be considered for admission only through petition as indicated below.
3. Possession of a high school equivalency certificate from one of the various state departments of education within the United States of America.
4. Possession of a college degree from an accredited institution.

Admission of a student who has been suspended or dismissed from Okaloosa-Walton Junior College and any other student who is ineligible to enroll under the above requirements will be given consideration based upon the policies of the Admissions Committee. Consideration of any such requests must be initiated by the applicant through a formal petition addressed to the Admissions Office.

Dual Enrollment Program for High School Seniors

In the 1971 legislative session, Section 228.041 of the Florida Statutes was amended to provide that: "senior high school students who lack three credits or less be allowed to attend as a high school day that portion of the day necessary to earn needed credits."

As a result of this legislative action, the Okaloosa-Walton Junior College offers the following plan of dual enrollment in college degree courses and programs for high school seniors. Criteria to be applied for those seniors who would be simultaneously enrolled at the College and in their own high school are outlined below:

1. The high school principal must verify current enrollment in his high school and the fact that completion of three or fewer high school units is all that is required for graduation.
2. A student whose high school average in grades 9 through 11 is in the A to B range (GPA 3.0 to 4.0) is automatically eligible for dual enrollment. A student whose cumulative high school average is C (GPA 2.0 to 2.99) is eligible for admission contingent upon satisfactory performance on the SCAT, GATB, or other equivalent tests as judged by the Okaloosa-Walton Junior College Admissions Officer.
3. A student may enroll at Okaloosa-Walton Junior College for a maximum of seven (7) semester hours of college credit work each semester.
4. Unsatisfactory performance at Okaloosa-Walton Junior College (less than a semester grade of C) will result in automatic withdrawal of the student from the program. Participation at Okaloosa-Walton Junior College should in no way jeopardize his completion of his high school work.
5. The student's academic record and credits will be validated only upon his graduation from high school. Such validation shall be made without respect to whether or not the student continues to attend Okaloosa-Walton Junior College.
6. Any student participating in this program must sign a statement that he understands that the college credits earned while he was simultaneously enrolled in high school are not necessarily transferrable to any college in Florida or elsewhere in the United States until *after* validation.
7. All participants in this program must petition for admission and be approved by the Admissions Officer, with additional approval by the Admissions Committee in such instances as he may judge advisable.

Early Admissions for Superior Students (formerly the Advanced Placement Program)

Okaloosa-Walton Junior College does not encourage early admission but will admit a limited number of highly qualified applicants after completion of their junior year

in an accredited high school. To be considered for early admission, an applicant must rank in the top 10 per cent of his class, score at the 75th percentile or higher on an accepted college entrance examination, and have the unqualified recommendation both of his parents and of his principal. A personal interview with, and approval of, Okaloosa-Walton Junior College's Admissions Officer is also required before a final decision is made. Applicants who are accepted will be placed in appropriate courses for which they are qualified.

Criteria for Admission of Foreign Students

As a community junior college, the first priority of the College is, by Board policy, to provide educational services for students in the district served. Accordingly, the following criteria are established for selective admission of foreign students to OWJC:

1. The number of applicants accepted from a particular foreign country may be limited to provide a representative cross-section of cultures on the campus.
2. All required transcripts (submitted in English), test results, and other required documents must be on file in the Admissions Office four months prior to the opening date of the semester for which the student is applying.
3. Foreign students must have documented sufficient proficiency in speaking, reading, and writing English to enable them to benefit from instruction at the college level. (Such proficiency is to be established through the Test of English as a Foreign Language, administered through a recognized test center.)
4. Foreign students must provide evidence of academic achievement equivalent to a U.S. high school education with a "C" average or better, or shall have graduated in the upper 1/3 of their school class.
5. Foreign students must present documented evidence (certified through a U.S. Consulate) that they have the financial resources to defray all anticipated costs during their attendance at the College. (The estimated annual costs are approximately \$3,000: Matriculation fee, \$495.00; lab fees, \$25; activity fee, \$35; books and supplies, \$150; room and board, \$1,300; clothing, \$500; miscellaneous, \$500.)
6. Foreign student applicants must certify that they intend to attend the College on a full-time basis, and that no employment (on or off-campus) is required for them to meet expenses.
7. Foreign students must make their own housing arrangements and show documentation of this prior to being accepted for enrollment. (The College is not responsible for providing housing for any student.)
8. Each foreign student applicant must have a sponsor of U.S. citizenship residing in the College District. The sponsor must provide a letter certifying the extent of responsibility he will assume for the applicant, including arrangements for housing.
9. Foreign students must be in good physical and mental health as certified by a licensed physician and validated by an Office of the U.S. Consulate. The student health form provided by the College must be completely executed, immunizations current and properly recorded, and an X-ray report submitted which indicates that the applicant is free of communicable disease.
10. Foreign students must be familiar with applicable regulations of the U.S. Immigration and Naturalization Service and must assume responsibility for complying with these regulations.

NON-COLLEGE CREDIT PROGRAMS:

The Non-College Credit Programs of Okaloosa-Walton Junior College include: GED. Test Preparation Program; Adult Basic Education; Adult High School; Non-College-Credit Occupational Certificate Programs; Non-College-Credit Occupational Courses; Non-College-Credit General Education Courses; and Enrichment Programs.

I. Adult Basic Education

The purpose of this program is to lead to the completion of elementary studies including basic reading, writing, and mathematics. ABE classes are designed for

adults, 16 years of age or older, who have legally left school and have less than an eighth grade education.

Admission Requirements:

1. Candidate must be 16 years of age or older.
2. Candidate must have legally left school.
3. Candidate must have less than an eighth grade education. If student has completed more than 8 grades in school but has a deficiency in areas covered in ABE classes, especially reading, he may be admitted until deficiencies are removed. Deficiencies shall be determined from student's records and tests administered by the ABE teacher at the location where the student is applying for class.

II. GED Test Preparation Program

This program is designed for those students who desire to prepare themselves for a State High School Equivalency Diploma issued through a state department of education.

Admission Requirements:

1. A student must be at least eighteen (18) years of age.
2. A student under eighteen (18) years of age at time of desired admission, but who will be eighteen years old at time of completion of the GED. Preparation Program, may petition the Admissions Officer for consideration.

III. Adult High School

The Adult High School is for those individuals who would like to complete work towards their high school diploma but who did not have the opportunity to complete the regular high school program. It is anticipated that all students of high school age will complete their secondary education through the public school system.

Admission Requirements:

1. A student must be over eighteen (18) years of age.
2. A student must have completed the 9th grade.

A student who is ineligible to enroll under the above requirements may file a petition with the Admissions Officer for admittance. Consideration will be given only when all of the following apply:

1. The candidate has a unique documented hardship.
2. The candidate has favorable written responses to requests from the College for recommendations from his high school principal and from his parents (or guardian.)
3. The candidate is sixteen (16) or seventeen (17) years of age.

If a student is under sixteen, he must provide the Admissions Committee with all of the following:

1. Proof of hardship.
2. Proof of legal separation from high school—a statement signed by the principal.
3. A favorable written response to a request from the College for a recommendation from his high school principal.
4. Proof of parent's consent to attend—a letter to the Admissions Officer.

In accordance with Florida Statutes and Regulations, NO student shall be awarded a high school diploma prior to his normal graduation date (computed from last date of attendance in the grade most recently attended).

IV. Occupational Certificate Programs and Courses (Non-College-Credit)

A candidate for admission to Non-College-Credit Occupational Certificate Programs and/or courses must meet the following requirements:

1. Persons who are beyond the age of compulsory school attendance and have been legally out of school (grades K-12) enrollment and attendance for at least 10 weeks (since leaving a private or public secondary school), or who are high school graduates, are eligible for admission to these programs provided they meet the "General Admissions Requirements."
2. Persons who have been legally out of grades K-12 of any school system (public or private) less than 10 weeks and who are not high school graduates, shall be admissible to these programs at the discretion of the Admissions Committee, upon written recommendation by the principal of the public or private high school most recently attended, and upon consideration of such supplementary data as may be helpful in determining the suitability of such admission.

V. Non-College-Credit General Education Courses

From time to time persons desire for personal enrichment, for job improvement, or for other reasons, to take non-college-credit courses of a general nature which are equivalent in content to courses in the college credit programs. Applicants who seek to enroll in such non-college-credit courses may not desire or be able to provide the necessary required documents for admission as a college-credit student.

Candidates for admission to non-college-credit general education courses must meet the following requirements:

1. Be legally out of grades K-12.
2. Meet the General Admissions Requirements.
3. Submit the appropriate non-college-credit student application materials.
4. For any advanced or specialized non-college-credit course, secure the written permission of the instructor before enrollment in that course.

Transcripts from Okaloosa-Walton Junior College will indicate enrollment in and completion of such courses under the appropriate non-college-credit course numbers.

VI. Enrichment Programs

Enrichment programs are those courses, workshops, institutes and programs offered to special interest groups on a totally self-supporting basis. Since each of these programs is unique unto itself, criteria for admission to each such special program or class will be pertinent to the nature of the program or class and will be published and made available to the general public and interested persons as each such program may be developed and announced.

All enrollees in these programs are obligated to comply with "General Admissions Requirements" of the College.

SPECIAL STUDENT ENROLLMENTS

A student who already has a degree from a regionally-accredited two-year or four-year college or university and does not intend to pursue a degree program at OWJC may submit, from the institution involved, evidence of the award of that degree in lieu of transcripts from all institutions attended. A valid Teacher's Certificate which indicates possession of a Bachelors or higher degree is acceptable as evidence of award of a degree.

An interim-study (transient) student, who seeks enrollment for one semester only, as part of his pursuit of a degree at another institution, must submit: (1) a letter of good standing from the institution he is attending concurrently, and (2) written approval of the courses for which enrollment is sought at OWJC as part of his on-going program at that institution. These documents must be accompanied by an official transcript from the institution being attended concurrently, along with a full listing of all institutions of higher education previously attended.

ADMISSIONS: GENERAL PROCEDURES

Each applicant seeking either full-time or part-time admission to courses or programs offered by Okaloosa-Walton Junior College must obtain from and return to the

Admissions Office appropriate admissions materials. Upon receipt of all required, completed admission forms, the Admissions Office will notify each applicant of his status and provide any necessary additional information, including advisement of approval of admission as appropriate.

Applications for admission from a foreign country by their nature require a longer period for evaluation and processing; therefore, the earliest submission possible is strongly recommended. The credentials of an applicant for admission from a foreign country are evaluated in accordance with the general regulations governing admission. An application, a passport-size photograph, official certificates, and detailed transcripts of records should be submitted to the Admissions Officer at least two months prior to the opening of the term in which the applicant hopes to gain admittance. This will allow time for exchange of necessary correspondence relative to entrance and, if the applicant is admitted, for assistance to him in obtaining the necessary official papers. *Sponsorship of foreign students is required.*

An applicant may be required to take a qualifying examination in English. If he is not sufficiently qualified in the English language to pursue degree program courses, he will be required to prepare himself adequately in English before registering as a regular student.

Each student from a foreign country is required, upon his arrival at the College to contact the Dean of Students for the purpose of arranging a beneficial counseling program.

Failure to furnish correct requested information on the application form(s) may result in a denial of admission or immediate dismissal from Okaloosa-Walton Junior College.

ADMISSIONS: COLLEGE-CREDIT PROGRAM PROCEDURES

Each applicant for admission to college-credit programs or courses at OWJC for the first time must submit with his application a \$5.00 application fee. *This fee is not refundable.* The health form included within the application materials packet is required for admission.

First-time-in-College Applicants (applicants *without* prior college work) must furnish:

1. A record of their high school work (on forms which are available from the OWJC Admissions Office). These forms should be completed by the high school from which the applicant graduated and be mailed directly to the Admissions Officer at OWJC; or
A certified copy of a state high school equivalency certificate;
2. A completed full set of application forms and attachments.

Applicants *with* prior college work must be responsible for assuring:

1. That official transcripts covering all coursework attempted at *all* colleges and universities previously attended are forwarded *by direct mail* to the Office of Admissions of OWJC (hand-carried documents will not be accepted); and
2. That *any and all* such transcripts are received prior to the beginning of registration (preferably at least two weeks before registration begins); and
3. That a completed full set of application forms and attachments has been sent in.

Applications from Out-of-District and Out-of-State residents will be subject to review by the Admissions Officer relative to availability of space and related considerations prior to approval of such admissions. Should his review affect the application negatively, he shall refer the application to the Admissions Committee for recommendation to the Administrative Council.

ADMISSIONS: NON-COLLEGE-CREDIT PROGRAM PROCEDURES

Each first time applicant for admission to the Non-College-Credit Programs at Okaloosa-Walton Junior College must submit the appropriate non-college-credit student application and health statement materials.

First-time applicants (applicants without prior non-college-credit work at OWJC) for high school diploma programs must furnish:

1. A record of their school work (on forms available from the Okaloosa-Walton Junior College Admissions Office). These forms must be completed by the school which the applicant last attended and mailed directly to the Admissions Officer at Okaloosa-Walton Junior College.
2. A complete set of required application forms and attachments.

Applicants for enrichment courses and certificate programs must provide such documents as may be necessitated by the nature of the course or program.

Applicants from Out-of-District and Out-of-State residents will be subject to review by the Admissions Officer relative to availability of space and related considerations prior to approval of such admissions. Should his review affect the application negatively, he shall refer the application to the Admissions Committee for recommendation to the Administrative Council.

ADVANCED STUDIES PROGRAM FOR THE HIGH SCHOOL STUDENT

Outstanding students in the Okaloosa-Walton Junior College District who: (1) have completed the 11th grade in an accredited high school; (2) have scored in the 75th percentile or higher on the School and College Ability Test; and (3) rank academically in the upper 10% of their high school classes, may apply for enrollment in an Advanced Studies honors program at the College. Admission to this program requires approval of: (1) the student's parents or guardian; (2) his high school principal; (3) the Admissions Officer, and (4) the Dean of Instruction. Grades in high school, test scores, and any unique individual circumstances will be considered in making each commitment to this program.

Requests for participation in this program must be submitted at least one month prior to the beginning of the summer session which follows the student's junior year in high school. These students may complete a limited number of college credits while still enrolled in high school and be awarded the credit upon successful completion of high school and completion of pertinent CEEB tests.

ADULT STUDIES FOR HIGH SCHOOL PARTICIPANTS

As the Area Vocational School for the Okaloosa-Walton Junior College District, the College makes pertinent facilities available to high school students for pursuit of particular vocational studies requiring special laboratory and shop facilities and equipment. The high school student remains enrolled in his own high school and has transferred to his high school record those units earned while studying in the OWJC Area Vocational School program. Selection of participants in the program is accomplished jointly by the student, his parents or guardian, the principal of the high school, and the Admissions Officer of the College, within space and resource capabilities of the College.

TRANSFER CREDITS

General Provisions: Course work with a grade of "C" or above from an accredited college or university will be accepted. A grade of "D" from properly accredited institutions of higher education will be accepted only on a provisional basis contingent upon the attainment of an academic record at Okaloosa-Walton Junior College which compensates for the quality point deficiency involved. The acceptability of college courses for transfer credit at Okaloosa-Walton Junior College shall be at the discretion of the Registrar in conjunction with the chairman of the department involved.

Military Experience Credits: A maximum total of 15 semester hours toward a degree earned while on active duty as member of the armed forces may be granted through accreditation of the following military experiences: (1) college level (CLEP) general examinations and college level general education-development (GED) test scores will be used to waive OWJC courses according to a schedule administered by the Registrar; (2) technical service school credits based on the American Council of Education standards and an evaluation by the Okaloosa-Walton Junior College Registrar (15 semester hours maximum).

Correspondence Courses: Up to nine semester hours of credit for correspondence and/or extension courses may be transferred from an accredited college or university as listed in the current issue of the "American Association of Collegiate Registrars and Admissions Officers Bulletin."

CREDIT BY EXAMINATION

Advanced Placement Credits: Okaloosa-Walton Junior College participates in the *Advanced Placement Program* conducted by the College Entrance Examination Board, which provides 13 college-level advanced placement examinations. OWJC allows a maximum of 15 semester hours credit for scores of 3, 4 and 5, and allows advanced placement without credit for scores of 2 upon recommendation of the department concerned. Qualified students may make special arrangements for taking the advanced placement tests through the Dean of Students at OWJC.

Advanced Placement Tests may be taken at participating high schools or centers; however, a qualified student may make a request and pay the required fees to the College Entrance Examination Board, Educational Testing Service, Princeton, New Jersey, to make arrangements to have the test or tests sent to and administered by the Testing Officer at OWJC. Information bulletins are available from the Educational Testing Service upon request.

College-Level Examination Program: Nonmilitary students may earn up to 15 college credits by passing the college-level (CLEP) general examinations at certain levels according to a schedule administered by the Registrar. Credits may be earned only for those subject-matter areas in which students have not taken regular college-level courses. (For instance, a student may not receive CLEP credit in English after receiving college credit in Communication Skills or English Communications.)

Comprehensive Examination in Designated Courses: Students who are enrolled at Okaloosa-Walton Junior College may be granted credit in designated courses based on knowledge or ability as measured by a Comprehensive Examination in the area in which credit by examination is being sought. Credit by a comprehensive examination test will be given during the first week of classes in each semester. This test may not be taken more than one time.

To be eligible for credit by comprehensive examination, the student must: (1) be currently enrolled in the course involved; (2) have the written approval of the pertinent Department Chairman and (3) have the written approval of the instructor for the course in which the comprehensive examination is to be given. These approvals shall be forwarded by the pertinent Department Chairman to the Dean of Instruction for his written approval. All approvals must be cleared prior to registration for any given semester. Upon written notification of full approval, the student shall contact the Department Chairman to set up a test date.

Credit awarded by comprehensive examination will become part of the student's permanent record and be posted with the appropriate grade and with notation that the grade was awarded through credit by comprehensive examination. Only those students who earn an A or B grade on the comprehensive examination will be given credit. Students who earn a C may request a waiver through the Department Chairman of the course without credit or may remain enrolled in the course for credit. Once

the student elects to continue in the course, the waiver option shall not be available to him. No credit will be given for a D or F grade on the comprehensive examination. The student, in order to take an early test by comprehensive examination, in addition to enrolling in the class and paying the regular matriculation fee for the course, must also pay a \$10.00 test fee.

No more than 15 semester hours of credit by examination may be earned through this source or any combination of sources, i.e. CLEP, military experience, etc.

Students seeking to earn credit by examination should discuss their decision with the faculty member(s) and with the appropriate Department Chairman involved well ahead of applying for such action, preferably in the previous semester.

It is emphasized that no student may apply toward graduation more than 15 semester hours of credit, total, earned through any and all types of examination or military experience credits.

ADMISSIONS TESTS AND COUNSELING SERVICES

Submission of college ability test scores is anticipated by the College in order to assist students in effective planning of their programs. Although admission is dependent only upon the criteria indicated under "Admissions Requirements," availability of test scores is helpful in the placement of students in appropriate academic programs. Most applicants will have completed the Florida State-Wide Testing Program which is administered in the twelfth grade. Applicants who have not taken the Florida Senior Test are expected to submit, as may be directed by the Admissions Officer, scores from one of the several nationally standardized tests prior to admission.

It is recommended that applicants take the American College Test (ACT) during their senior year in high school or prior to enrolling in college. However, other college ability test scores may be submitted. Other achievement tests may be required as necessary. Aptitude and interest tests may be administered to individual students as the need arises.

Experienced college counselors and the Admissions Officer are available to all students attending Okaloosa-Walton Junior College. Counselors and the Admissions Officer are located in the Administration Building. Students are given assistance with problems which may be academic, vocational, social, or financial; and a placement service for full-time or part-time off-campus work is provided.

Special assistance and advice is available in reading, tutorial, and basic skills areas. Student tutors on a volunteer basis meet regularly with other students in various subject areas in the Student Services Tutorial Lab. Students in need of such help place a request with Student Services. The Reading Laboratory, under the direction of two professional reading specialists, is administered by the Communications Department, and a large number of students make use of the Reading Improvement classes.

REGISTRATION

Students are expected to register on the days designated in the College Calendar except for those Adult Studies courses for which a student may register at special announced registration periods for specific courses. All late registrants for college credit courses will be charged an additional fee of \$5.00. Fees are to be paid at the time of registration.

Registration will be completed in person for each semester or enrollment period during the regularly scheduled registration period.

During the Fall and Winter Semesters, just prior to final examinations, all *currently enrolled degree* program students whose mid-term grade-point average is 1.80 or higher are given the opportunity to pre-register for the next semester. By registering early each student is more nearly assured a suitable schedule for the subsequent semester.

FINANCIAL INFORMATION

A student will not have completed registration until all fees have been paid in full, and no faculty or staff member of the College with the exception of the Comptroller or the President of the College has the authority to defer fee payments. Permission, if granted, must be in writing and no deferment of fees may extend beyond the last day for payment of fees as stated in the College Calendar.

Financial Assistance. The College will assist students insofar as possible in identification of opportunities for financial assistance in connection with their studies. A variety of types of opportunities are available to students who seek aid: State of Florida Student Loans, The College Work Study Program,* Federally Insured Loans,* and loans and scholarships granted on an individual basis. Out-of-state tuition is waived for personnel (and the dependents of these personnel) who are employed by tenant organizations designated by the Armament Development Test Center Command as bona fide government-contract tenants within the OWJC District portion of the Eglin Reservation. All inquiries concerning financial aid should be directed to the Financial Aids Officer.

Application Fee. An application fee of \$5.00 is required with all applications for admission to all college-credit programs of Okaloosa-Walton Junior College. This fee is not refundable.

Residence Classification. For the purpose of assessing tuition, students are classified as *Florida residents* or as *non-Florida residents*. This classification is made by the Comptroller of the College according to Florida Statutes, State Board of Education Regulations, and District Board of Trustee Policies relative to residency in relation to school attendance. (Detailed copies are available in the Comptroller's Office and are binding in decisions on matters of residency classification.)

The student's "residence classification" is determined at the time of his first registration and may not thereafter be changed except by ruling of the Comptroller in terms of bona fide change of legal residence on the part of the student if over 21 years of age, or of the parents if the student is a minor.

Active military personnel (including dependent members of their immediate families) stationed in the State of Florida are classified as residents of Florida.

A fee of \$10.00 will be charged against the account of any student who misrepresents his place of legal residence—this charge being in addition to correction of the actual fee charge itself.

Students will not have completed registration until all fees have been paid. Therefore, students will not be admitted to class, college-credit or non-college-credit, until fees are paid.

FEE SCHEDULE (PER SEMESTER)

COLLEGE-CREDIT ENROLLMENTS

Full-time students (12 or more semester hours)

1. Matriculation for Florida Resident Students \$ 90.00
2. Matriculation for Non-Florida Resident Students 165.00

* OWJC is required to accept the following obligation: "The institution shall take such steps as are necessary and appropriate to assure that the financial assistance provided for under this agreement is not made available to students where prohibited by Section 504 of the Higher Education Amendments of 1968 (P. L. 90-575), or Section 411 of the Department of Health, Education and Welfare Appropriation Act of 1969 (P. L. 90-575)."

Part-time students (enrolled for fewer than 12 semester hours)

1. Florida Resident Students:	
Per Semester Hour	9.00
Minimum Charge	9.00
Maximum Charge	90.00
2. Non-Florida Resident Students	
Per Semester Hour	15.00
Minimum Charge	15.00
Maximum Charge	165.00

NON-COLLEGE-CREDIT ENROLLMENTS

Fees will be based on length of course, instructional costs, and costs of special equipment. The minimum cost per course is \$3.00 plus laboratory and special tuition fees whenever applicable, except when specifically waived by the Board of Trustees upon recommendation by the President. (e.g. Adult Basic Education Courses, indigents enrolled at the Chatauqua Center, or for certain specified courses offered at Eglin & Hurlburt Air Force Base during the regular assigned duty hours for Military and Civil Service employees and sponsored by the cognizant Education Officer.)

PERQUISITE FOR TEACHERS

Matriculation for one college credit course per semester at OWJC for properly certificated instructional personnel who are on the current full-time payroll in either Okaloosa or Walton County will be at one-half of the normal matriculation fee. All other fees (e.g., laboratory, supplies, etc.) will be full price. The one-half price for matriculation will apply only when the payment is an out-of-pocket expense for the teacher involved; should payment be by the State or from Federal funds, full charges will apply. This reduction in price applies only to OWJC courses and is not applicable to courses offered by other institutions on the OWJC campus.

OTHER FEES—COLLEGE CREDIT COURSES

Application Fee	\$ 5.00	
Required of all applicants seeking admission to OWJC college-credit courses for the first time.		
This is one-time charge and is not refundable.		
Change of Schedule (per course)	1.00	
Duplicate Transcripts (after first one)	1.00	
Graduation Fee	10.00	
Laboratory Fees	5.00-10.00	
Special Service Fees	*	
Late Mid-term or Final Examination	5.00	
Late Registration	5.00	
Returned Check Charge	5.00	
Initial I.D. Card	1.00	
ID Card Replacement Fee	2.00	
Student Activity Fees:	Fall/Winter	Sp/Summer
Full-time students (12 semester hrs. or more)	\$15 per semester	\$5.00

* Special Service Fees shall include such individualized instructional services as music lessons, such special courses involving contracted services as bowling or horsemanship, and independent study offerings. A schedule of such fees for each semester is on file in the Comptroller's Office.

Part-time students (7-11 semester hours)	7.50 per semester	2.50
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Part-time students (1-6 semester hours)	None	None
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Cost Summary: College-Credit Courses

Typical range of basic charges for a full-time college credit student per semester:

Fees	\$105.00 - \$200.00
Books and Supplies.....	50.00 - 85.00
	<hr/>
	\$150.00 - \$285.00

Food and housing costs depend upon the student's habits and circumstances of residence.

OTHER FEES—NON-CREDIT ENROLLMENTS

Diploma Fee for Adult High School	\$2.00
Duplicate Transcripts (after first one)	1.00
Laboratory and Special Tuition Fees.....	*
Returned Check Charge.....	\$5.00
Initial I.D. Card	1.00
ID Replacement Fee.....	2.00

ADULT STUDIES
(450-480 contact hour)

Typical cost for full-time student per semester:

	Non-Occ.	Occupational
Registration Fee (per course).....	\$ 3.00	\$ 3.00
Books, Supplies and Tools.....	20.00-40.00	25.00-60.00
Laboratory and Special		
Tuition Fees.....	5.00-10.00	10.00-150.00

Refund Policy—College Credit and Non College Credit Courses.

No refunds are automatic. It is the responsibility of the student to complete the proper drop and add forms obtained from the Registrar's Office and present them to the Business Office for processing of authorized refunds.

1. If a student presents the proper forms for a complete withdrawal from the College prior to the official opening of classes as indicated in the College Calendar, 90% of all fees paid to that date (except application fee) will be refunded.
2. If a complete withdrawal occurs after the official opening date of classes but during the first week of classes, 80% of the *Matriculation fee only* will be refunded.
3. If a student alters his/her schedule hours by proper drop and adds during the first week of classes, fees will be recomputed on the basis of the new hours, and additional fees will be collected or a refund of matriculation and laboratory fees involved will be made as appropriate (80% of refund due to the student if the alteration is not because of cancelled or rescheduled classes).
4. No refunds will be made after the end of the first week of official college classes as specified in the College Calendar.
5. 100% of fees paid will be refunded, upon request, for classes cancelled by the College.

* Upper limit of laboratory and special tuition fees is based upon the particular overhead costs for each course offering. A schedule of fees for each semester is on file in the Business Office. Fee increases and other State financial support provisions are under consideration at the State level. Therefore, fees are subject to change prior to Fall Semester 1972.

Returned Check Charge

If a check is issued by a student or a student's parent or guardian or spouse or anyone (friend) on behalf of a student for a student's financial obligation and the check is not honored by the bank on which it is drawn, the matter will be handled as follows:

- (a) A five dollar (\$5.00) charge to the student is automatically applicable.
- (b) The student will be given five (5) school days in which to have the check made good. If the check, plus the \$5.00 charge, is not made good within the five-day period, the student is subject to suspension. If a student habitually issues bad checks, even though each check is made good, disciplinary action against the student will be in order.

Fines, Penalties, and Indebtedness

Failure to comply with rules and regulations concerning parking, library privileges, and other pertinent regulations will be penalized by fines. Final grades, transcripts, and diplomas will be withheld until all fines, penalties and other forms of indebtedness to the college have been paid in full.

Late Registration

A \$5.00 late charge will be assessed to *all* college credit students who do not complete registration on specified date as listed in the College Calendar.

No refunds shall be made of any fees after the first week of classes. Any and all refunds to military personnel shall be accomplished in accordance with the prevailing pertinent military assistance contracts.

Change of Schedule. After the period of registration, changes in courses or sections may be made during the time specified in the College Calendar. For such changes, however, the student will be required to pick up "Drop and Add" forms from the Registrar's Office. These forms must be signed by the student's advisor as well as a representative of the Student Services Office. When the completed forms are submitted to the Registrar's Office and to the Business Office along with a fee of \$1.00 for each course added or dropped, the revised schedule will become effective. The \$1.00 drop fee will be waived for complete withdrawal or class cancellation.

Information for Veterans and Military Personnel. This College is certified for training under the various veterans' training laws. Veterans planning to enter should consult the local Veterans Administration Office and the Office of Student Services well in advance of enrolling. The veteran assumes responsibility for all fees out of monies paid to him by the Veterans Administration. The veteran must complete a special form (available in the Registrar's Office and in the Office of Student Services) which is required by the Veterans Administration at the end of each calendar month of attendance in order to receive payments from the Veterans Administration. Acquisition and completion of this form is the responsibility of the veteran himself.

Training time is usually computed as follows:

12 or more semester hours or 30 hours non-credit weekly Full time
9-11 semester hours or 18 hours non-credit weekly $\frac{3}{4}$ time
6-8 semester hours or 15 hours non-credit weekly $\frac{1}{2}$ time

The veteran who is absent three consecutive class sessions or school days without notifying the Registrar will have his training interrupted and will have to file a certificate of re-entrance.

A veteran in training under Public Law 550 receives an education and training allowance each month from the Government. At registration the veteran will be required to pay all his fees. Since the first checks are sometimes delayed, it is advisable that the veteran be prepared to meet all expenses for about two months.

A veteran entering the College under Public Law 894 (disabled veterans) who has approval from the Veterans Administration will have his registration fees paid directly to the College by the Government.

A veteran who wishes to enroll under the Cold War "G.I. Bill" should secure a Certificate of Eligibility from the Veterans Administration prior to registration in order to expedite the subsistence allowance. Both veteran students and war orphans desiring information about benefits, requirements and registration procedures as required by the Veterans Administration should contact the Office of Student Services.

A widow of a veteran is now eligible for educational financial assistance as a result of recent federal legislation, and she should, therefore, consult the Office of Student Services for information.

Military Personnel who would like to continue their education through any of the various programs offered by OWJC may receive assistance by contacting the Registrar, the Office of Student Services on campus, the Director of Educational Services for Military Personnel at Eglin AFB, or the Education Officer at either Hurlburt or Eglin. Military personnel who enroll in college credit programs through the education office at their respective bases are eligible for financial assistance (up to 75% of matriculation fees) through the Military Assistance Contracts which OWJC has with both Eglin and Hurlburt.

ACADEMIC REGULATIONS

Academic Load. A student of OKALOOSA-WALTON JUNIOR COLLEGE is considered to be full-time or part-time according to his course load at the time of registration. The designation will not be changed after the close of registration. A student enrolled in 12 or more semester hours or 24 or more contact hours is considered to be a full-time student for the purpose of participating in the various student activities.

A combination of semester credit hours and non-college-credit contact hours constitutes full-time status based upon the following scale:

<i>Degree Programs</i>	<i>Adult Study Programs</i>
12 semester hours plus	0 contact hours per week
11 semester hours plus	2 contact hours per week
10 semester hours plus	4 contact hours per week
9 semester hours plus	6 contact hours per week
8 semester hours plus	8 contact hours per week
7 semester hours plus	10 contact hours per week
6 semester hours plus	12 contact hours per week
5 semester hours plus	14 contact hours per week
4 semester hours plus	16 contact hours per week
3 semester hours plus	18 contact hours per week
2 semester hours plus	20 contact hours per week
1 semester hour plus	22 contact hours per week
0 semester hours plus	24 contact hours per week

The above table does not apply to the Veterans Administration definition of full-time status or necessarily to the draft board's definition. Any student enrolled for fewer hours than the above combinations will be considered a part-time student.

Class Attendance. Students are expected to attend all of their scheduled classes. Audit students, likewise, are expected to attend all of their scheduled classes. The effect of absences upon grades is determined by the instructor. The instructor may recommend to the Dean of Instruction a withdrawal grade whenever a student's absences become excessive. Upon recommendation by the Dean of Instruction and approval by the Administrative Council the student, after proper opportunities to have presented his case, shall be advised of his withdrawal status. Arranging to make up work missed because of legitimate class absence is the responsibility of the student.

Attendance will be kept by the instructor and reported to the Registrar's Office. *The instructor will report immediately each student in college-credit courses who has accumulated three absences.*

Audit Students. Any student registering in a college-credit course on a "non-college-credit" basis will be considered as an audit student and his records will be marked accordingly. The word "Audit" will be placed on the permanent record in place of a grade and no hours attempted or quality points will be recorded.

Examinations for audit students are not required; however, audit students are expected to attend classes on the same basis as credit students and to meet all the requirements of the course with the exception of the examinations.

Fees are the same for both credit and audit students.

Students may register for a class on an "Audit" basis or change to "Audit" status at any time during the regular registration period or, with the written approval of the Dean of Instruction, prior to the date *stated in the official catalog calendar* as the last day for dropping courses.

Audit students may not change to credit status following the expiration of the Change of Schedule period.

WITHDRAWALS

Withdrawals are subject to the following rules:

1. *Before* the end of the 10th week of the Fall and Winter Semesters, the 7th week for the spring semester, and the 4th week for Terms I and II, but *after* the change of schedule period indicated in the College Calendar, a grade of "W" with zero hours attempted will be entered on the permanent record for a properly executed withdrawal through the Registrar's Office.

2. *After* the end of the 10th week for the Fall and Winter Semesters, the 7th week for the spring semester, and the 4th week for Terms I and II, NO WITHDRAWALS will be permitted. If the student feels a grade of "W" is appropriate in his case, he will be responsible for validation of the specific extenuating situation and for filing a petition with the Registrar for referral to the Administrative Council for appropriate action.

ENFORCED WITHDRAWAL

In rare cases, students who have not submitted all completed admissions forms will be allowed to register provisionally. Should the required forms not be on file by the stated deadline for each semester, the student will be subject to the enforced withdrawal policy as follows:

1. No refund will be granted.
2. A grade of "W" will be recorded in each course for which the student registered.
3. The student will be ineligible to attend any classes or receive any credit during the semester involved.
4. Readmission for subsequent semesters may be accomplished *only* provided the records are cleared by a petition approved by the Admissions Committee.

STUDENTS WITHDRAWING FROM THE COLLEGE OR DROPPING ANY COURSE FOR WHICH REGISTERED, MUST FILE AN OFFICIAL DROP SLIP IN THE OFFICE OF THE REGISTRAR AND THE BUSINESS OFFICE TO AVOID RECEIVING AN AUTOMATIC GRADE OF "F" IN THE COURSES DROPPED.

EXAMINATIONS AND GRADES

Final examinations are held at the end of each term and must be taken at the scheduled time. If a student is absent from a final examination because of illness or other approved reasons, a late examination will be given. Before taking such an

examination, the student must obtain written permission from the instructor and from the Dean of Instruction and pay to the Business Office the fee of \$5.00. *No grades or transcripts will be issued to students with incomplete admissions folders or outstanding fees, loans, or fines.*

Letter grades will be assigned as follows: A, excellent; B, good; C, average; D, passing; F, failing; I, incomplete; S, satisfactory; U, unsatisfactory. Work required for removal of "I" must be completed by the end of the semester immediately following the issuance of that grade.

Quality points per semester hour are as follows: A = 4; B = 3; C = 2; D = 1; F = 0. Grades for "I" are computed as "F's" and entered on the student's permanent record as "F" at the end of the semester following the issuance of the grade, if the work is not "made-up" during that period of time. The "I" will carry 0 quality points until it is made up. "U's" or "S's" carry neither quality points nor credits.

ACADEMIC STANDING

Honors. When the quality of a student's work is superior, the College is pleased to honor his work through recognition.

1. Full-time students making a quality point average of 3.75-4.00 will be placed on the President's List for that term.
2. Full-time students making a quality point average of 3.25-3.74 will be placed on the Dean's List for that term. At the time of graduation, a student's total academic record is reviewed to determine High Honors (3.75-4.00) and Honors (3.25-3.74).

Good Standing. A student after his first term who has attained a quality point average of 1.50 or better is considered to be in good standing; thereafter, a student must attain a quality point average of 1.8 each semester to be in good standing. He must attain a cumulative quality point average of 2.0 ("C") on the total of all work transferred and/or taken at the Okaloosa-Walton Junior College in order to graduate with an Associate Degree.

Repeated Courses.

1. A course in which a grade of "D" or "F" has been earned may be repeated. Only the credit from the most recent attempt and the associated quality points will be counted. All attempts will appear on the transcript.
2. Students should be aware that the repeating of a course results in an adjusted grade point average and that such an adjustment may not be accepted by some private colleges in this state or some colleges and universities outside of the state of Florida.

Non-academic Probation, Suspension or Dismissal. Restrictive actions for student behavior other than those necessitated by academic performance shall be determined by the Administrative Council of the College upon recommendation from the Committee on Student Conduct on such occasions as the situation may warrant. OWJC does not mix academic and disciplinary penalties or restrictions except as the restrictions may affect attendance or enrollment privileges.

The standards of Okaloosa-Walton Junior College dictate that the quality of academic work accomplished by its students shall be accurately represented through the grades given by each instructor at the institution. When the quality of a student's work is represented by his instructors as less than satisfactory, the College feels obligated to initiate restrictive actions relative to his further studies in order to apprise him of the serious nature of his status in relationship to his studies. For these reasons, the following regulations pertain with respect to academic probation, suspension, or dismissal of a student.

Academic Probation. Any first-term student who has failed to maintain a 1.5 quality point average during the first semester (or the first 12 hours attempted in the case of the part-time student) will be placed on Academic Probation. This action is based on the fact that a student in order to be graduated from this College must attain a quality point average of not less than 2.0 ("C") on a cumulative total of all work attempted whether at Okaloosa-Walton Junior College or by transfer. Consequently, the College feels the necessity of apprising any student of shortages of quality points with respect to these standards. The record of any first semester student who fails to make the 1.5 quality point average will be stamped "Academic Probation."

Subsequent to the semester in which the student fails to maintain a necessary quality point average for good standing, the student on probation must attain at least a 2.0 average (in accumulation of his next 12 semester hours in the case of the part-time student) the next term or an overall average of 1.8 to avoid recurrence of the "Academic Probation" status. A student must, prior to graduation, compensate further for the semester of probation by attaining a quality point average of 2.0 ("C") on *all* work attempted. A student on academic probation will be permitted to register for more than 14 credit hours only by permission of the Dean of Instruction.

Should the student's record contain the entry "Academic Probation" for two semesters and the student fail to remove himself from probation in the next immediate semester (or equivalent of the next 12 semester hours for part-time students) by earning at least a 2.0 average that third semester, he shall be subject to *automatic* suspension at the end of that semester *for a minimum of one semester*. Any future enrollment in degree program courses at the College will be determined in accordance with regulations which pertain to Academic Suspension. As long as a student attains a semester average of 2.0 (on at least 12 semester hours per semester) or a cumulative average of no less than 1.8 thereafter he shall be permitted to continue his studies.

Any student who enters the College on Academic Probation must attain a 2.0 ("C") quality point average on the total of all work attempted in his first semester at the college (minimum of 12 semester hours) or a cumulative 1.8 average on *all* work attempted (whether at OWJC or previous institutions). Failure to attain this average by the end of that semester shall result in suspension, dismissal or continued probation in accordance with the regular probationary policies and procedures for native OWJC students.

Academic Suspension. Any full-time student (other than a first-term freshman) who attains less than a 1.0 quality point average on a 4.0 scale (minimum of 12 hours) shall automatically be placed on suspension for a minimum of one full semester.

A student who has been on probation twice and fails to free himself from probationary status in the third semester *and thereafter*, shall be subject to suspension. Re-enrollment of such a student subsequent to a semester of suspension shall be at the discretion of the Admissions Committee of the College in terms of *clear* evidence of potentialities for attaining an acceptable record in the future. It is strongly recommended that a student enroll in non-college-credit courses during the semester of suspension in order to strengthen the areas of deficiency. For the student whose record necessitates suspension according to these regulations, the entry "Academic Suspension for a Minimum of one Semester" shall be stamped on his permanent record.

Any transfer student with less than 1.0 cumulative average will not be considered for admission unless at least one term has elapsed since he attended the last institution. (If his transcript indicates his record falls into this College's category for "Suspension" or "Dismissal," he shall be subject to the Okaloosa-Walton Junior College policies relative to suspension or dismissal, respectively.) Such students, if admitted, shall be on probation with their records stamped "Admitted on Probation."

A transfer student who enters this institution with a cumulative average between 1.0 and 1.79 will be admitted on probation and will be subject to the rules on probation. He must attain at least a 2.0 average in the next semester or an overall 1.8 cumulative average to avoid recurrence of the "Academic Probation" status, or placement on "Suspension" or "Dismissal" as pertinent to native OWJC students, themselves.

Dismissal. Any full-time student (or part-time student who has accumulated 12 credits) who fails all of his courses his first semester of attendance or more than one-half of his academic work subsequently shall be dismissed for academic reasons. Such a student is not eligible to be readmitted for *college* credit courses at Okaloosa-Walton Junior College for a minimum of one full year; then the student may petition the Admissions Committee for possible readmission, favorable action being dependent upon clear written evidence of factors which indicate promise of successful performance.

Readmission and Special Admission. To be readmitted to Okaloosa-Walton Junior College following *academic suspension* or *academic dismissal* from another institution or from Okaloosa-Walton Junior College, it is necessary for a formal request to be submitted to the Admissions Officer. (The form for this purpose is available in the Admission Office.) Admissions Committee approval shall be required for such readmission. Students who are dismissed for disciplinary reasons are not eligible for any further studies at OWJC.

Should a student whose credits are ten or more years old desire to seek relief from the effect of those grades upon his current record at OWJC, he may petition the Administrative Council of the College through the Office of the Registrar. Should favorable action be taken, the grades will continue on the face of the permanent record, but relief will be in not counting such grades and hours in quality point computations. The action of the Administrative Council upon such a petition shall be final.

A student who as a result of academic difficulty becomes ineligible to enroll in college-credit courses is encouraged to continue his education through non-college-credit certificate programs or other non-college-credit offerings. Arrangements may be made through the Student Services Office.

ACADEMIC STANDING—Adult High School Students

I. Good Standing:

A student must attend 75% of all the class meetings for each course in any one monthly attendance period to remain in good standing in that course. As soon as a student has been absent more than 25% of the class meetings in any monthly attendance reporting period or cumulatively in a series of marking periods for a course, his enrollment in that course will be terminated and he will receive a "W" or "F" grade for the course. In case of extenuating circumstances, the student terminated for excessive absences may petition the Administrative Council for possible re-enrollment in that class.

II. Probation:

Any student who fails one course in any semester or who is terminated in one or more courses under the provisions of Item I, above, will be placed on Academic Probation.

III. Removal from Probation:

The student on academic probation must receive a at least a "C" average for the total of all courses attempted during the following semester and each semester thereafter until the required overall average of "C" on all courses attempted at OWJC is attained, to remove the "Academic Probation" from his record.

IV. Suspension:

Any student with two or more "F"s" in one semester will be subject to suspension for a minimum of one semester.

Any student who remains on Academic Probation for two consecutive semesters will be subject to Academic Suspension for a minimum of one full semester. Re-enrollment of such a student subsequent to a semester of suspension shall be at the discretion of the Admissions Committee in terms of evidence of his ability to attain an acceptable record in the future.

V. Dismissal:

Any student readmitted after Academic Suspension or Academic Dismissal who fails to pass all subjects attempted during the semester of his readmission is subject to Academic Dismissal. Such student is not eligible for readmission for adult high school courses at OWJC for one full year. The student will be required to petition the Admissions Committee for readmission favorable action being dependent upon clear written evidence of factors which indicate promise of successful future performance.

TRANSFERRING CREDITS TO A SENIOR INSTITUTION

Those students who expect to transfer to a senior institution from Okaloosa-Walton Junior College may obtain programming assistance by consulting a counselor in the Student Services Office. These experienced counselors, available to all students, will gladly assist in planning and coordinating college programs to facilitate smooth transfers to a senior institution.

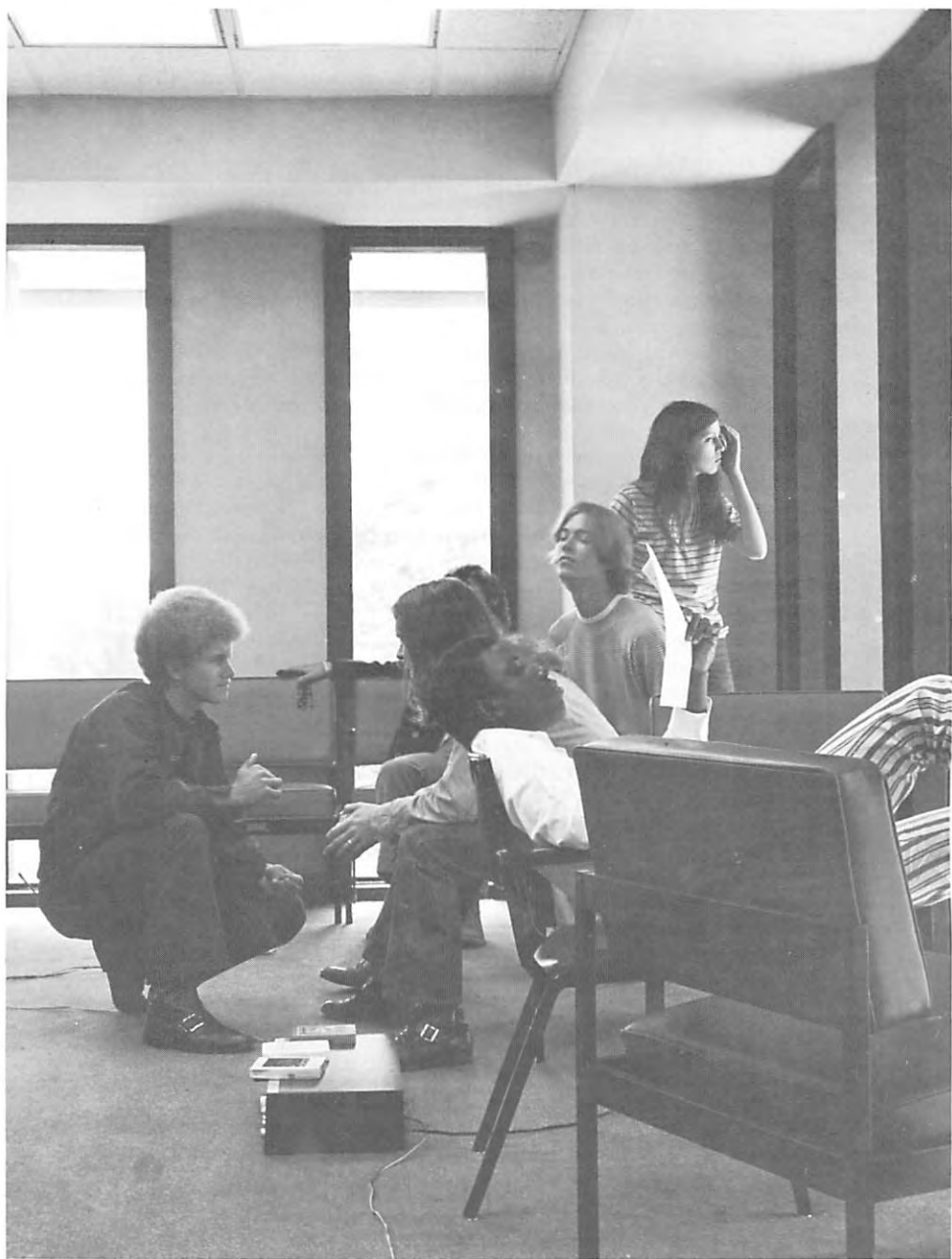
It is desirable that a student planning to transfer to a senior institution plan his or her program so that he may transfer to the senior institution at the beginning of the school year (normally in the fall). Curricula are generally offered in sequence and better articulation in a student's program may be achieved if he will strive to complete his entire two-year program before transferring. Students majoring in highly-specialized programs should seek programming assistance well in advance of actual transfer.

REQUIREMENTS FOR GRADUATION

General requirements for graduation from Okaloosa-Walton Junior College must be met by all students seeking a degree, without regard to the degree to be granted. *Final responsibility for meeting the requirements for graduation for either the Associate of Arts or the Associate of Science degree rests with the student.*

1. Students must have a total of 64 semester hours for graduation, including a minimum of 40 semester hours of General Education courses for the Associate of Arts Degree and 26 semester hours of General Education courses for the Associate of Science Degree. The remaining 24 hours in the Associate of Arts Program and 38 hours in the Associate of Science Program may be taken in any one of the prescribed programs, or in a planned program (see "General Arts and Sciences," Page 61) which is applicable to a baccalaureate degree at a specific Senior institution.
2. Each graduate is required to have completed successfully at least one course which includes the study of the United States Constitution.
3. Each graduate must be in attendance during the semester in which the degree is earned and must have earned from Okaloosa-Walton Junior College his last 15 semester credit hours immediately preceding graduation. Any exceptions to these stipulations may be granted only by special written dispensation of the Administrative Council in response to a petition from a prospective graduate.
4. A quality point average of not less than 2.0 ("C") must be attained on the cumulative total of all work attempted whether at OWJC or by transfer. The minimum quality point average for all course work attempted at OWJC must be 2.0 ("C").





OWJC's central commitment to the theme: "No one a stranger, a stranger to no one." is emphasized by its student-oriented facilities.

Any credits accepted for transfer to this institution shall be "C" work or better, or shall be provisional (in the case of "D" grades from a properly accredited institution of higher education) upon attainment of an academic record at Okaloosa-Walton Junior College which compensates for the quality-point deficiency involved.

5. Qualification for graduation with Honors or High Honors shall be computed on the total of all degree work attempted, whether at OWJC or by transfer.
6. Since four (4) semester hours of physical education activity credit are required unless specifically waived, all regularly enrolled full-time students seeking a degree must enroll in, and satisfactorily complete, at least one physical education activity course each semester until the four-semester hour requirement is met. Exceptions are as follow:
 - a. Students who are physically unable to participate in the regular activity program must present a letter from their physician to the Registrar and receive from him a written waiver of the requirement authorized by the Chairman of the Physical Education Department.
 - b. Students who have reached their twenty-fifth birthday need not enroll in physical education activity courses.
 - c. Students who have served in the armed forces of the U.S. on active duty for a period of not less than two years shall be exempt from physical education. A copy of the official discharge must be submitted to the Office of the Registrar in order to qualify for this exemption. Students currently on active duty who have served for two years must provide the Registrar's Office with written proof of this fact.
 - d. Students who are completing the requirements of Okaloosa-Walton Junior College by attending evening classes only may be graduated without the physical education requirements.
 - e. Students who are exempt from physical education must make up for the four-hour credit by taking courses in non-activity physical education; however, all students are encouraged to participate in activity physical education courses if possible.
 - f. Students engaged in varsity sports are required to enroll in the Advanced Sports course to receive credit. Students may receive credit only once for satisfactory participation in each varsity sport.
 - g. Physical Education majors are encouraged to enroll in as many physical education courses as their academic schedules will permit.
7. Students shall check with a counselor in Student Services during their next to last semester to insure that all graduation requirements will be met.
8. Students must make formal application for graduation on the proper form furnished by the Registrar and must meet the deadlines designated in the College Calendar.
9. Participation in graduation exercises is expected of all graduates. Any student in any semester who is carrying enough credit to graduate at the end of that semester will be charged a graduation fee of \$10.00. This fee must be paid at the time application for graduation is made. If a student fails to meet the requirements for graduation, the fee will be refunded.

STUDENT LIFE AND STUDENT SERVICES

STUDENT LIFE

Conduct. Each student enrolling at Okaloosa-Walton Junior College is considered an adult. Rules and regulations are intended only for the safety, welfare, and common good of the College community.

Smoking in any building is permissible only where proper receptacles are provided.

The possession and/or use of alcoholic beverages, marijuana, hallucinogenic drugs, and/or narcotics on College property is prohibited.

The general appearance and behavior of the students is expected to bring credit to Okaloosa-Walton Junior College.

Probation, Suspension, or Dismissal for Disciplinary Reasons. Noticeable or gross departures from expected standards of conduct on the part of students will be considered errors in judgment. Persistent violations will necessitate disciplinary action.

The continued enrollment of any student who is convicted of a felony or whose decisions and actions are contrary to the common good of the College shall be subject to termination by action of the Administrative Council of the College upon confirmation of their action by the President. The President shall, after proper hearings and in compliance with State Statutes and Regulations, have the authority to suspend a student pending action on his case if in the best interest of the College and its welfare.

A student who becomes ineligible as a result of disciplinary action may not continue his education through any programs or offerings of Okaloosa-Walton Junior College until such a time as it may be the pleasure of the Administrative Council to permit re-enrollment of such student.

Notice: The College subscribes to the principles of student rights and responsibilities as set forth in the Student Handbook.

GOVERNMENT

The Okaloosa-Walton Junior College government is represented by a joint assemblage of students and staff in order that all components of the College may share fully in government services and opportunities, seek solutions as one body, promote the respect of the community, and direct their efforts toward one goal to further and maintain maximum educational opportunities.

OWJC Council. The OWJC Council is a group of selected College administrative officers, student government officers and faculty members, which provides liaison among the students, the faculty, and the administration of the College.

Student Senate. The principal governing body of elected student representatives is the Student Senate. The executive functions of the Senate reside in the Cabinet. The size and functions of the Senate and its Cabinet are set forth in the Constitution.

Inter-Club Council. The purpose of the Inter-Club Council is to promote unity and cooperation among the clubs and organizations of OWJC. This organization is responsible for the activities and competition among different clubs and organizations.

Committee on Student Conduct. This is a combined body composed of student, faculty, and administrative personnel, representing all facets of the College, organized to consider evidence and responsibility in cases of student conduct considered harmful to the welfare of the College community.

PUBLICATIONS

Raider Review. The official College newspaper supplies information about College activities and services and provides experiences in journalism for its staff. Any

student is eligible to join the staff upon request. Appropriate material submitted by students and staff may be accepted for publication.

OKA WAJUCO. This is a student publication which portrays through pictures and written material the personalities and activities of the year.

Scope. Published annually, this magazine reflects OWJC creativity in prose and poetry. Students from classes in creative writing provide most of the material although any student or staff member may submit material for publication.

ORGANIZATIONS

Alpha Delta Chi. The purpose of the organization is to recognize young women of initiative, integrity, high scholastic standing, outstanding leadership abilities, and interest in service to their school, thereby stimulating high standards in scholarship and encouraging loyalty, interest, and participation in campus activities.

Artista. Artista is dedicated to the promotion of the visual arts on campus. Artista fosters interest in and brings increased participation of its members into student-related art activities. All students, both art majors and non-majors, are encouraged to join and have an opportunity to gain additional knowledge and understanding of the visual arts.

Baptist Student Union. The purpose of the Baptist Student Union is to provide a ministry to individuals in the campus community who have need for or seek Christian fellowship.

Circle K. This club is a service organization sponsored by the Kiwanis Club of Fort Walton Beach in connection with Kiwanis International. This group has service to OWJC and its community as its expressed purpose.

Florida Association of Managerial Education. The OWJC chapter of this association is an organization of students enrolled in programs in marketing and management to develop leadership in the field of marketing and management; to encourage the use of hospitable and ethical standards in marketing and services; and to foster the best possible spirit of cooperation among participating employers, employees, and the College.

OWJC Band. A concert group involved with the performance of literature for the wind band. The group is open to experienced players and no audition is necessary. Participation is required by the Music Faculty of all Brass, Percussion, and Woodwind instrumental students in the Music Department.

OWJC Brass Ensemble. A small Chamber Ensemble which performs literature for brasses, selected from all style periods, Renaissance to Contemporary. This organization, which rehearses two hours per week, is open by audition only.

OWJC Chamber Choir. A selected group of twelve to sixteen voices (SATB) which performs music specifically composed for the small vocal ensemble. Music for performance is selected from all style periods, and membership in the group, which rehearses two hours per week, is open by audition only.

OWJC Chorus. This is a group of mixed voices (SATB) which presents music from every style period. The group is open without audition to every student in the College and is required of all music majors. The Chorus performs several times each year both on and off the campus. The Chorus rehearses three hours per week.

OWJC Community Chorus. A Community Chorus which is open by audition to all singers in the two-county area. This organization usually performs two major choral works per year and in addition performs shorter and widely varying compositions from all style periods. The Community Chorus rehearses two hours per week in the evening.

OWJC Forum. The purpose of the OWJC Forum is to initiate and further the interest of all qualified students in the areas of debate, extemporaneous speaking,

oratory, dramatic interpretation, impromptu speaking, and poetry interpretation. In furthering interest in these areas, the student will participate in local and regional tournaments.

OWJC Music Theatre. Each year the Music Department endeavors to produce one Broadway-style musical. Participation is open to all students and members of the community by audition.

OWJC Reader's Theatre. Reader's Theatre is a popular form of interpretative reading for group participation. Since Reader's Theatre conforms to no one style, it invites imaginative experimentation. The activities of Reader's Theatre are designed to develop skills in the art of interpretation and appreciation for fine works of literature.

OWJC Stage Band. A small group open by audition which performs representative works by contemporary composers in the fields of jazz, pop, swing, Broadway musicals, and other contemporary sounds. This group often performs at College functions and requires three rehearsals per week.

Phi Theta Kappa, Sigma Mu Chapter. This is a national junior college honorary organization for scholastic achievement. Members must have a grade-point average of 3.2 or better.

Proscenium Playhouse. Proscenium Playhouse is the official dramatic organization of Okaloosa-Walton Junior College. Its goals are to foster an interest in and an appreciation of the theatre arts, to produce plays, and to provide an outlet for the creative abilities of the students. The organization believes that anyone with an interest in theatre can play a useful and satisfying role in some aspect of theatrical production and strives to develop interest and ability in all aspects of stagecraft.

Rotaract. This club is a service organization sponsored by the Niceville-Valparaiso Rotary Club in connection with Rotary International. It is dedicated to service.

Sailing Club. The purpose of this club is (1) to offer organized training to novices, (2) to offer organized sailing and racing, (3) to provide social activity and recreation, and (4) to offer water safety training and experience to members.

Sigma Delta Phi. Sigma Delta Phi is a men's social fraternity. The purpose of this organization is to further the spirit of Greek letter societies by establishing itself as an organization based on the ideals of brotherhood. It provides services to the students and faculty of the College and to the surrounding communities.

Sigma Phi Upsilon. Sigma Phi Upsilon strives to further the spirit of the Greek letter societies by establishing itself as an organization based on the ideals of sisterhood. It shall be known to be of service to the students and faculty of Okaloosa-Walton Junior College and to the surrounding communities.

SNEA. The members of Chapter Number Twenty-Nine of the Student National Education Association are dedicated to serve the College by making American ideals a reality through their individual conduct and education as the means for transmitting and enhancing these ideals.

Student Christian Association. This organization consists of students interested in creating, maintaining, and extending the highest standards of Christian character on the campus and throughout all College activities. The organization is non-sectarian and interdenominational and is open to all students of Okaloosa-Walton Junior College. The programs and activities of the Student Christian Association, including the annual Religious Emphasis Week, are designed to foster a vigorous and wholesome partnership between academic endeavor and religious development in the college career of the student.

INTERCOLLEGIATE ATHLETICS

Organizational Membership. Okaloosa-Walton Junior College is a member of the National Junior College Athletic Association and the Florida Junior College Conference composed of public and private junior colleges in the State of Florida.

Intercollegiate Sports Participation. Basketball is the sport, at the present time, engaged in by the College on an intercollegiate level. A schedule of intercollegiate activities is provided for students who possess the athletic proficiency. Varsity athletes enjoy the privilege, honor, and social distinction of representing the College in the field of athletic competition. They also benefit by the broadening experience of trips to other colleges and universities. Varsity participation on a team representing the College is open by competitive selection to all students provided they meet the eligibility requirements of the National Junior College Athletic Association. The athletic program at Okaloosa-Walton Junior College is governed and controlled by a faculty committee and the administration. Policies and rules for awarding financial aid are published annually, and each recipient is furnished with a copy of the agreement.

Scholarships. Upon the recommendation of the Coaching Staff, a student may be granted financial aid provided that he maintains a satisfactory grade-point average and fulfills those responsibilities and requirements set forth by the coach in the intercollegiate activity involved.

INTRAMURAL SPORTS. Participation in sports and recreational activities contribute significantly to the development of physical, mental, emotional, and social qualities which, in themselves, distinguish the truly educated person. The intramural program provides an opportunity for all students, staff, and faculty to participate in organized athletic sports and in wholesome recreational activities. Classes, clubs, fraternities, sororities, and independent groups may form teams while individual participation is encouraged in many other activities. Flag football, volleyball, soccer, softball, and basketball are among the team sports included in the intramural program. Tennis, golf, bowling, canoe racing, sailing regattas, swimming, camping, and track and field are among the numerous activities which are also included in the intramural and extramural programs.

Appropriate awards are given to winning teams and players. Times, schedules, and places of meetings for activities are posted on the bulletin boards located in the Physical Education Building, Student Activities Building, and north mezzanine of the Learning Resources Center. Any additional information may be obtained from the Intramural Department in the Physical Education Building.

STUDENT SERVICES

ACADEMIC ASSISTANCE

Counseling and guidance services are provided by the faculty and counselors of Okaloosa-Walton Junior College under the coordination of the Dean of Students. Each student is assigned by the Admissions Officer to a faculty advisor who provides close personal attention and professional consultation. Guidance counselors are available in the Counseling Center to provide specific counseling assistance. The combined efforts of the faculty and counseling staff seek to insure for each student those opportunities necessary for maximum growth.

The Learning Skills Laboratory provides valuable services to students of all abilities who wish to improve their proficiency in reading, study, and subject matter areas. Participation in this program is arranged through the Office of Student Services by the student, his instructors, his faculty advisor, or a counselor. Participation is voluntary; however, when a counselor or a faculty member recommends participation to a student, that student should make every effort to take advantage of the opportunity.

The Tutorial Program, an extension of classroom and individual study, is one of the methods by which Okaloosa-Walton Junior College honors its commitment to provide quality education for its students. Students who need additional instruction in a particular area are tutored by superior students who are competent in the particular area needed. The benefits are two-fold: (1) the student who needs help is given

the opportunity to attend scheduled tutorial sessions where he may correct his particular deficiencies by concentrated study; and (2) the superior student becomes, through the tutoring he provides, more articulate and acquires a greater depth in the subject matter in which he is already proficient.

In order to ensure maximum student motivation, participation in the tutorial program is voluntary for both tutors and tutorial students. Scheduling is arranged through the Coordinator of Counseling and the faculty. Students meet with their tutors for one period one or more days each week. The program, because it is voluntary, gives the student maximum freedom of choice which, in turn, provides maximum opportunity for students to realize their academic potentialities.

STUDENT FINANCIAL AID

Financial Aid. The Financial Aids Program is organized under the Financial Aids Committee and is supervised by the Financial Aids Officer.

Entering students seeking financial assistance are required to submit an application with a copy of the Parents' Confidential Statement form to the College Financial Aids Committee, designating Okaloosa-Walton Junior College as the recipient. The application must be filed one month prior to the student's anticipated date of enrollment. The Student Financial Aid forms may be obtained from an Okaloosa or Walton County secondary school or from the Financial Aids Officer of Okaloosa-Walton Junior College.

Scholarships. Several types of scholarships available to qualified students attending Okaloosa-Walton Junior College are as follows:

1. Academic Leadership Scholarships.

- (1) Valedictorian, Salutatorian, and/or High Honors Scholarships. The senior graduating with the highest scholastic average from high schools in Okaloosa or Walton County, Florida, will be offered a matriculation fee scholarship for his first semester at Okaloosa-Walton Junior College.
- (2) Departmental Assistantships. A limited number of departmental assistantships which cover matriculation fee costs are available through the joint selective actions of various instructional departments and the Library. Contact should be made with the Financial Aids Officer in the Admissions-Counseling Office.
- (3) Regional Science and Engineering Convention Scholarships. This is a four-semester scholarship for matriculation plus lab fees, not to exceed \$125 per semester, awarded to the Senior Division Grand Award winner in the Regional Science and Engineering Convention, provided that person elects to attend OWJC, with continuation of the scholarship, after the first semester, being dependent on continuing meritorious performance of the recipient—i.e., an average of "B" or better on science courses and an overall average of 2.5 or better.
- (4) Florida Student Loans. Full-time students who are U.S. citizens and have been Florida residents for the preceding two years may apply for these loans provided they have a demonstrated financial need as determined by a recognized method of needs analysis. Loans are generally for the amount of tuition, fees and books, but may also cover living expenses in certain instances. Repayment begins six months following graduation or termination of full-time attendance.
- (5) Scholarships and Loans in the Law Enforcement Programs. Tuition assistance grants and loans are available to students enrolled in Law Enforcement and Police Science. Students enrolled full-time in these programs are eligible to apply for loans up to \$900 per semester. Students employed full-time by a public law enforcement agency are eligible for grants to cover costs of tuition.

LIST OF SCHOLARSHIP DONORS

Air Force Aid Society
Alabama Textile Products
Alpha Lodge Number 172, F & AM
Amarillis Court # 14 Order of Eastern Star
American Association of University Women
Lucile Anderson Scholarship Fund
Baker Lions Club
Ethel Hopkins Bartell Memorial
Danny Burke Memorial Scholarship
Blue Horizon Motel Scholarship
Bank of Crestview
Bob Sikes Foundation Scholarship Fund
Max Bruner Scholarship in Forestry
R. N. Boudreaux
Cawthon State Bank
Choctaw Electric Cooperative
Choctaw Outboard Motor Club
Choctawhatchee High School Student Council
Choctawhatchee High School Student Band Scholarship
Creel Ford Company
Delta Zeta Chapter, Beta Sigma Phi, Niceville
Destin Friends of Linda Scholarship Fund
Donald Dennis Scholarship
Eglin Non-Commissioned Officers' Wives' Club
Eglin Officers' Wives' Club
Exemplar Chapter, Beta Sigma Phi, DeFuniak Springs
First National Bank of Crestview
First National Bank of DeFuniak Springs
First National Bank of Fort Walton Beach
First National Bank of Niceville
Fort Walton Beach Business and Professional Women's Club
Fort Walton Beach Chamber of Commerce
Fort Walton Beach Civic League
Fort Walton Beach Junior Women's Club
James A. Fraser Scholarship
Fort Walton Beach Rotary James M. Sutton Scholarship
Fort Walton Beach Women's Club
Gatlin Lumber Company
Gitenstein Foundation
Gulf Federal Savings and Loan
Harris Insurance Agency
Iota Upsilon Chapter, Beta Sigma Phi, Fort Walton Beach
Kiwanis Club of DeFuniak Springs
Lillian F. Hill Perpetual Scholarship
Law Enforcement Education Program Scholarship
Laurel Hill High School Future Teachers of America Chapter
Laurel Hill Ruritans
Lions Club, Baker
McDonald's Hamburgers, Fort Walton Beach
National Foundation—March of Dimes
National Secretaries Association, Fort Walton Beach
Northwest Florida Press Club
Okaloosa County Education Association

Okaloosa County Home Builders Association
 Okaloosa County Council of Parent-Teachers Association
 Okaloosa County School Food Service Association
 Okaloosa County Mental Health Association
 Okaloosa-Walton Junior College Student Government Association
 Okaloosa-Walton Junior College Women's Club
 Patriots for America
 Parker-Mechanical Contractors' Scholarship
 Pilot Club of DeFuniak Springs
 State of Florida Student Loans
 Sonic City Lions Club Robert Baker Scholarship Fund
 State of Florida Regents Scholarship
 University of West Florida Foundation
 Valparaiso-Niceville Civitans
 Mamiruth Walter Scholarship
 Walton County Education Association
 Winn-Dixie Montgomery Inc. Scholarship
 Xi Beta Pi Chapter, Beta Sigma Phi, Niceville-Valparaiso

College Work-Study Program. The College Work-Study Program was established under Title I, Part C, of the Economic Opportunity Act of 1965.

This program was established to aid students from low-income families who need a job to help pay for their college expenses. Students may work up to fifteen hours weekly while attending classes full-time. During the summer or other vacation periods, when students do not have classes, they may work full-time (forty hours per week) under this program.

To work under this program, the student must show academic or creative promise, carry a 2.0 average, and be enrolled or accepted for enrollment as a full-time student. The student's eligibility depends upon his need for employment to defray college expenses, with preference to applicants from low-income families. The pay scale is the minimum hourly wage rate. Students who are interested in part-time employment under the College Work-Study Program should write: Student Financial Aids Officer, Okaloosa-Walton Junior College, Niceville, Florida 32578.

Vocational Rehabilitation. Students with physical disability may obtain grants-in-aid covering fees, books, and supplies, and in some cases, general maintenance, through the Vocational Rehabilitation Service which is supported by Federal and State appropriations. In order to be eligible for any of the services of the Vocational Rehabilitation Service, an individual must:

- (1) Have a disability which substantially interferes with suitable employment,
- (2) Have a reasonable chance of becoming suitably employed within a reasonable period, and
- (3) Be at or near working age.

Students who feel they may qualify for this aid can get further information from:

Director of Vocational Rehabilitation
 P. O. Box 786
 Fort Walton Beach, Florida 32548

Veterans' Benefits. The Federal Government has programs which provide some financial assistance for veterans and their dependents. These programs are described briefly as follow:

Federal benefits are principally those concerned with Public Law 634—The War Orphans Educational Assistance Act of 1965—and Public Law 89-358 of 1966. Increasing numbers of children of veterans of World War I, World War II, and the Korean Conflict will be eligible for benefits from Public Law 634. The child of a veteran who dies in service or as a result of a service-incurred disability should investigate his

eligibility for benefits under this act before applying for a scholarship or loan. Public Law 89-358 provides educational benefits to veterans who have had more than 181 days active duty since January, 1955. Six months National Guard training is not considered active duty time for this bill.

Assistance and information may be obtained from the local county veterans officer or the Veterans Administration Office, Regional Office, P. O. Box 1437, St. Petersburg, Florida 33731.

Loans. Short-term student loans are available for fees during registration periods. A beginning freshman may be considered for such a loan when he has been officially accepted for enrollment. A student may borrow up to \$50.00 per semester, which is to be repaid in three installments or before the end of the semester for which it was issued. A \$.50 service charge is made on each loan issued.

The following have provided College funds which are presently being utilized as College short-term student loans:

- (1) Alpha Delta Chi Loan Fund Scholarship
- (2) John B. Arnold Loan Fund
- (3) Jack Bartell Loan Fund
- (4) Eglin Officers' Wives Club—Emergency Loan Fund
- (5) Niceville-Valparaiso Rotary Club Loan Fund
- (6) Mildred Plew Meigs Memorial Scholarship Loan Fund
- (7) Francis M. Stone Loan Fund
- (8) Okaloosa-Walton Junior College Women's Club—Scholarship Loan Fund
- (9) Valparaiso-Niceville Civitan Club Loan Fund

Florida Student Loan Program. The Florida Student Scholarship and Loan Commission was established by the 1970 Florida Legislature to form policies for the administration of a student loan fund which is governed by the State Department of Education.

A. *Loans*

1. Student loans may be granted for any year of study in an approved Florida institution of higher learning.
2. The amount of a loan for any year is recommended by the financial aid officer of the institution based on the demonstrated need of the student, with a maximum of \$1200 per academic year, including the summer session.
3. Student loans may be used only for expenses incurred for tuition, registration fees and textbooks.

B. *Eligibility*

1. Student must have been a bona fide resident of Florida for past 2 years.
2. Student must have earned a score on the State Senior Examination sufficient for admission to the college he attends, or he must have earned a satisfactory score on any alternative entrance examination required by the College.
3. Student must be enrolled in a Florida college accredited by the Southern Association of Colleges and Schools or one whose credits are accepted at full value by at least two State universities.
4. Student must provide information to establish need for this assistance.
5. Student must show evidence of good citizenship, good moral character and dedication to American ideals.
6. Students receiving this loan must be full-time students as defined by the institution.

C. *Application*

1. Application for loans shall be made for each academic year, including the Summer Semester.

2. The student completes two application forms and submits both copies to the Financial Aids Officer at OWJC. Incomplete applications will not be given consideration.
3. The Financial Aids Officer shall investigate eligibility and need. After eligibility and need and the amount of the loan are determined, the Financial Aids Officer shall forward one copy of the application with his recommendation to the State Department of Education for approval.
4. The State Department of Education shall notify each applicant of approval and a copy of such notice shall be forwarded to the institution.

HEALTH SERVICES

Health services are coordinated through the Administrative Services Office, with emergency first aid and services available through qualified personnel. Services of a full-time registered nurse and a local physician are immediately available through the telephone switchboard. Parents or nearest relative are notified immediately in the event of illnesses and/or emergencies.

BUS SERVICE

Bus service is operated free of charge by the College for the needs of students enrolled in Okaloosa-Walton Junior College. The busses arrive in time for the first period class each morning and leave the College at the end of the last class in the afternoon.

CIVIL RIGHTS

Okaloosa-Walton Junior College is in full compliance with Section 601 of the Civil Rights Act of 1964.

PROGRAMS

Ocala-Walton Junior College offers three basic programs which students may enter for the purpose of completing specific goals. In addition, the College offers other educational and community services in an attempt to provide total educational opportunities for the community.

The Associate of Arts Degree provides the student with curricula designed for transfer, with full credit, to other institutions for the purpose of satisfying the requirements for the Bachelor's Degree.

The Associate of Science Degree provides the student with college-credit curricula designed to prepare persons for employment or advancement in a specific occupational area.

Adult Study Programs provide varied appropriate learning experiences for any person legally out of grades 1-12 by virtue of age or situation, regardless of the grade previously completed. The courses in this area include vocational, technical, high school completion, general adult education and adult basic education offerings. *Certificates and/or diplomas* are awarded for completion of the various programs in the Adult Studies areas.

In addition, the College provides individuals with an opportunity to become more effective in the use of their leisure time or to increase their occupational efficiency through enrichment courses on college-credit or non-college-credit bases, as appropriate.

ASSOCIATE OF ARTS DEGREE

Basic Associate of Arts curricula are offered for those students planning to transfer to a four-year institution for the last two years of their Bachelor's degree program. Additional programs are available through individual planning with the faculty advisors subject to the approval of the Dean of Instruction.

Courses in Residence. (Credit hours taken at Okaloosa-Walton Junior College.) Minimum requirement of courses taken in residence for an Associate of Arts Degree at Okaloosa-Walton Junior College is 15 semester hours of credit immediately preceding graduation.

General Education. Students completing the general education courses and earning an overall average of "C" will have their permanent records certified that the general education program has been completed. A student with a deficiency in such areas as English, mathematics, or biology will be required to take one or more other courses prerequisite to those listed above. This may require an extra semester.

The general education program for the Associate of Arts degree at Okaloosa-Walton Junior College embraces a minimum of 40 semester hours of academic credit in the areas of communications, humanities, social sciences, mathematics, sciences, and physical education as follows:

GENERAL EDUCATION REQUIREMENTS ASSOCIATE OF ARTS DEGREE (40-Semester-Hour Minimum)

	Sem. Hrs.	Course Selections
Communication Skills	6-8	4100-4101 or 4102-03 or 4116-17
Humanities	6	3175, and 3178 or 3179 or 3180 or 3279 or 3280 or 4109 or 4228 or 4276
Social Science	6	6200-6201 or 6133-6134 or 6101-6102 or 6100 and 6256 or 6276 or 6277
(Study of U.S. Constitution Required)		
Mathematics	4-3	5101, 5120 or 5220
Biological Science	4-8	8149 or 8150-51 or 8156, 8160
Physical Science	4-8	7135 or 7138 or 7109 or 7115-7116 or 7140-41 or 7145-7146 or 7240-41
Physical Education	4	2000-series activity sport courses, unless exempted

General Education Electives As Necessary Selected from within the above divisions, but not restricted to the above courses.

TOTAL minimum required

General Education 40 Semester hours

The state-supported senior colleges in Florida have agreed that once a student has been certified by this institution as having completed the general education requirement, no further lower division general education courses will be required of a transfer student. This does not preclude the possibility that students may sometimes need additional foundation courses in the specific area of their specialization or that they may be required to take junior- or senior-level general education courses.

Specialization. In order to complete requirements for graduation with an Associate of Arts Degree, each student must have earned at least 64 semester hours of credit, with a minimum of 40 in the general education sequence and an approximate total of 24 hours in a specialization.

The specialized programs are outlined on the following pages.

ASSOCIATE OF ARTS DEGREE

A Transfer Program Leading to a Bachelor's Degree in

ART

FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Course	Physical Education	1	1
3100-3101	Drawing I-II	3	3
3105-3106	Design I-II	3	3
3175	Humanities I		3
4100-01, 4102-03 or 4116-17	Communication Skills I-II	(3)4	(3)4
5101, 5120 or 5220	Mathematics		(4)3
8149, 8150-51 or 8156-60	Biology	(3)4	(3)
		<hr/>	<hr/>
		(13)15	(20)17

SOPHOMORE YEAR

2000 Activity Course	Physical Education	1	1
* 3102-3103	Ceramics I-II *	3	3
3178, 3179, 3180, 3279, 3280, 4109, 4228 or 4276	Humanities		3
* 3201-3202	Painting I-II *	3	3
** 3254-55	Art History Survey I-II	3	3
6101-02, 6133-34, or 6200-01	Social Science	3	3
7135, 7138, 7115-16, 7140-41, 7145-56 or 7240-41	Physical Science	4	(4)
		<hr/>	<hr/>
		17	16

* Ceramics II and Painting II optional for transfer student.

** Art majors may use 3 hours of this series toward satisfying the humanities requirements.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
BIOLOGY

FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Course	Physical Education	1	1
4100-01, 4102-03 or 4116-17	Communication Skills I-II	(3)4	(3)4
5120 or 5220	Mathematics		(4)3
7115-16	Chemistry I-II	4	4
8156-60	Botany, Zoology	4	4
	* Elective	3	
		-----	-----
		(15)16	16

SOPHOMORE YEAR

2000 Activity Course	Physical Education	1	1
3175 and 3178 or 3179, 3180, 3279, 3280, 4109, 4228,4276	Humanities	3	3
6101-02, 6133-34 or 6200-01 or 6100 and 6256 or 6276 or 6277	Social Science	3	3
7216-17	Organic Chemistry	4	4
8256 and 8200 or 8201 or 8250	Biological Sciences	3	4
	* Elective	3	
		-----	-----
		17	15

* Foreign Language recommended.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
BUSINESS ADMINISTRATION
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
1200	Accounting I		3
1131	Introduction to Business	3	
1286-87	Economics I-II	3	3
1202	Basic Office Machines		2
2000 Activity Course	Physical Education	1	1
4100-01 or 4102-03 or 4116-17	Communication Skills I-II	(3)4	(3)4
5101, 5120 or 5220	Mathematics	(4)3	
8149 or 8150-51	Biology	(3)	(3)4
		<hr/>	<hr/>
		(17)14	(15)17

SOPHOMORE YEAR

1140	Statistics		3
1201	Accounting II	3	
2000 Activity Course	Physical Education	1	1
3175 and 3178 or 3179, 3180, 3279, 3280, 4109, 4228 or 4276	Humanities	3	3
4105	Speech	3	
** 6101-02, 6133-34, 6200-01 or 6100 and 6256 or 6276 or 6277	Social Science	3	3
7135, 7138 or 7115-16, 7140-41, 7145-46 or 7240-41	Physical Science	4	(4)
	Business Electives as required		6
		<hr/>	<hr/>
		17	(20)16

* Students will be admitted at the level for which they are qualified or those with typing proficiency may substitute two hours in another business course.

** 6133-34 or 6101-02 may be taken by freshmen with permission of instructor.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
BUSINESS DATA PROCESSING
FRESHMAN YEAR

Course	Description	1st Term	2nd Term	3rd Term
* 1110	Typewriting	2		
1131	Introduction to Business		3	
1814	Data Processing Concepts	3		
1815	Computer Mathematics		3	
2000 Activity Courses	Physical Education	1	1	
4100-01 or 4102-03 or 4116-17	Communications Skills	(3)4	(3)4	
5101, 5104, 5120	Mathematics	3	3	4
6101-02, 6133-34 or 6200-01 or 6100 and 6256, 6276 or 6277	Social Science	3	3	
		<hr/>	<hr/>	<hr/>
		(15)16	(16)17	4

SOPHOMORE YEAR

1140	Statistics		3	
1200-01	Accounting I-II	3	3	
1204	COBOL Programming	4		
1286-87	Economics I-II	3	3	
2000 Activity Courses	Physical Education	1	1	
3175 and 3178 or 3179, 3180, 3279, 3280, 4109, 4228 or 4276	Humanities	3	3	
7135 or 7138	Physical Science	4		
8149 or 8150-51	Biology	(3)	(3)4	
		<hr/>	<hr/>	
		(21)18	(16)17	

* Requirement may be waived through a proficiency test.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
CHEMISTRY
FRESHMAN YEAR

Course	Description	1st Term	2nd Term	3rd Term
2000 Activity Courses 3175 and 3178 or 3179, 3180, 3279, 3280, 4109, 4228 or 4276	Physical Education	1	1	
4100-01 or 4102-03 or 4116-17	Humanities		3	3
* 5120-21	Communication Skills I-II	(3)4	(3)4	
* 5220	Mathematics	4	4	
7115-16	Calculus			4
7295	College Chemistry I-II	4	4	
8149 or 8150-51	Chemical Analysis			4
	Biology	(3)4	(3)	
		<hr/>	<hr/>	<hr/>
		(15)17	(18)16	11

SOPHOMORE

2000 Activity Courses	Physical Education	1	1	
* 5221-22	Calculus II-III	4	4	
6101-02 or 6133-34 or 6200-01 or 6100 and 6256,6276 or 6277	Social Science	3	3	
7216-17	Organic Chemistry I-II	4	4	
7240-41	Physics I-II	4	4	
		<hr/>	<hr/>	
		16	16	

* For the student who is well-prepared in mathematics, the mathematics sequence may begin with 5220, Calculus I, with permission of department chairman, in the first term. Students who enter on this basis will be able to complete the program in the normal time. Students whose schedules permit should elect 5224.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
COMMERCIAL FOOD SERVICES
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
1200	Accounting I		3
2000 Activity Courses	Physical Education	1	1
3175	Humanities		3
4100-01 or 4102-03 or 4116-17	Communication Skills I-II	(3)4	(3)4
5101 or 5120 or 5220	Mathematics	(4)3	
6276	Psychology	3	
7831	Basic Foods		4
7833	Orientation to Food Services Industry	2	
8149 or 8150-51 or 8156-60	Biology	(3)4	(3)
		<hr/>	<hr/>
		(16)17	(17)15

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	1
3179 or 3180, 3279, 3280, 4109, 4228, or 4276	Humanities	3	
6101-02, 6133-34, 6200-01 or 6100 and 6256 or 6277	Social Science	3	3
7135 or 7138	Physical Science		4
7874	Human Relations and Management in Food Industry	3	
7875	Restaurant Management	3	
7877	Quantity Food Production		4
8250	Microbiology	4	3
	Electives (General Education)		
		<hr/>	<hr/>
		17	15

OPTIONAL ELECTIVES:

7826	Sanitation and Safety	3	
7872	Nutrition and Menu Design	3	
7873	Food Service Cost Control	3	
7876	Purchasing for Food Service Industry	3	
7878	Equipment and Work Simplification	3	

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
ENGINEERING
FRESHMAN YEAR

Course	Description	1st Term	2nd Term	3rd Term
2000 Activity Courses 4100-01 or 4102-03 or 4116-17	Physical Education	1	1	
* 5120-21	Communication Skills I-II	(3)4	(3)4	
5220	Algebra	4	4	
7105	Calculus I			4
7115-7116	Engineering Graphics	3	4	
8149 or 8150-51	College Chemistry I-II	4	4	
	Biology		(3)	(3)4
		-----	-----	-----
		(15)16	(20)17	(7)8

SOPHOMORE YEAR

2000 Activity Courses 3175 and 3178, or 3179, 3180, 3279, 3280, 4109, 4228 or 4276	Physical Education	1	1	
5221-22	Humanities	3	3	
5237	Calculus II-III	4	4	
** 6133-34 or 6101-02 or 6200-01 or 6100 and 6256 or 6276 or 6277	Linear Algebra		3	
7106	Social Science	3	3	
7240-41	Descriptive Geometry	3		
	College Physics I-II	4	4	
		-----	-----	
		18	18	

* Four semester hours may be allowed toward general education requirement. The well prepared student may start the Mathematics sequence with 5220 with permission of department chairman. To prepare properly for 7240, 5220 should be completed prior to the sophomore year. Students whose schedules permit should elect 5224.

** 6101-02 or 6133-34 may be taken by freshmen with permission of the instructor.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
HOME ECONOMICS (CHILD DEVELOPMENT) *
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Courses 2100 or 6276	Physical Education Introduction to Education or Psychology	1	1 3
3150 3175 4100-01 or 4102-03 or 4116-17	Fundamentals of Music Humanities Communication Skills I-II	3	 3
5101, 5120, or 5220	Mathematics	(3)4	(3)4
6100	Social Science	3	(4)3
6105	Observing and Recording Child Behavior	3	
6160-61	Child Growth & Develop- ment I-II	3	3
		<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> (16)17	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17

SOPHOMORE YEAR

2000 Activity Courses 3178 or 3179, 3180, 3279, 3280, 4109, 4228, 4276	Physical Education Humanities	1 3	1 3
4105	Speech		3
6203	The Family and Society	3	
6260	Programs for Young Children	3	
6262	Curriculum for Young Children I		3
7109, 7135, 7138, 7115-16, or 7140-41	Physical Science	4	(4)
8150-51 or 8155	Biology	3	(4)3
	Electives		3-6
		<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> (17)16

* Students interested in Elementary Education with Early Childhood Education as their major interest should follow the Teacher Education sequence and select Child Development courses as electives.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
LAW ENFORCEMENT
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Courses 4100-01 or 4102-03 or 4116-17	Physical Education ✓	1	1
5101, 5120, or 5220	Communications ✓	(3)4	(3)4
6101-02 or 6200-01	Mathematics ✓	(4)3	
6140	Social Science ✓	3	(3)
6141	Introduction to Law Enforcement ✓	(3)	
6276	Administration of Criminal Justice ✓		3
8149 or 8155	Psychology ✓	3	
	Biology, or Human Anatomy and Physiology		(4)
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		17	(14)15

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	1
3175 and 3178 or 3179, 3180, 3279, 3280, 4109, 4228, or 4276	Humanities ✓	3	3
6142	Police Organization and Administration	(3)	
6143	Crime and Delinquency ✓		3
6145	Criminal Law ✓	3	
6241 and 6248	Criminal Investigation I-II ✓	3	3
6243	Police Operations		3
6277	Sociology ✓	3	
7135 or 7138	Physical Science		(4)
		<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>
		16	17

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
LIBERAL ARTS (INCLUDING PRE-LAW)
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Courses 4100-01 or 4102-03 or 4116-17	Physical Education	1	1
4140-41 or 4240-4241 or 4245-46 or 4247-48	Communication Skills I-II	(3)4	(3)4
4150-51 or 4251-52 or 4255-56 or 4257-58	* Foreign Language French	3	3
4160-61 or 4260-61 or 4265-66 or 4267-68	or German		
5101 or 5120 or 5220	or Spanish		
7135, 7138, 7115-16, 7140-41, 7145-46 or 7240-41	Mathematics	(4)3	
** 8150 or 8156	Physical Science	4	(4)
	Biology		(3)4
	Electives		4
		<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>
		15	(18)16

SOPHOMORE YEAR

2000 Activity Courses 3175 and 3178, 3179, 3180 or 3279, 3280, 4109, 4228 or 4276	Physical Education	1	1
3279 or 3280	Humanities	3	3
4240-41 or 4245-46 or 4247-48	Philosophy or Comparative Religion	3	3
4251-52 or 4255-56 or 4257-58	* Foreign Language (if not completed)	3	3
4260-61 or 4265-66 4267-68	French		
6101-02, 6133-34, 6200-01 or 6100 and 6256 or 6276 or 6277	or German		
** 8151 or 8160	or Spanish		
	Social Science	3	3
	Biology	(3)4	
	Electives as required (6101, 6102 recommended)		6
		<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>
		(16)17	16

* On the basis of sufficient prior studies in a given language, a student may, with permission of the instructor, be enrolled initially in a second-year language and thus fulfill the language requirement in one year or he may take third-year language as part of his program.

** Sequence started must be completed.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
MARKETING

FRESHMAN YEAR

Course	Description	1st Term	2nd Term
1200-01	Accounting I-II	3	3
1270	Salesmanship	3	
1282	Introduction to Advertising		3
1291	Marketing Seminar I		2
2000 Activity Courses	Physical Education	1	1
6100	American Civilization	3	
4100-01 or 4102-03 or 4116-17	Communications Skills I-II	(3)4	(3)4
6276	Psychology	3	
8149 or 8150-51	Biology	(3)	(3)4
		<hr/>	<hr/>
		(19)17	(15)17

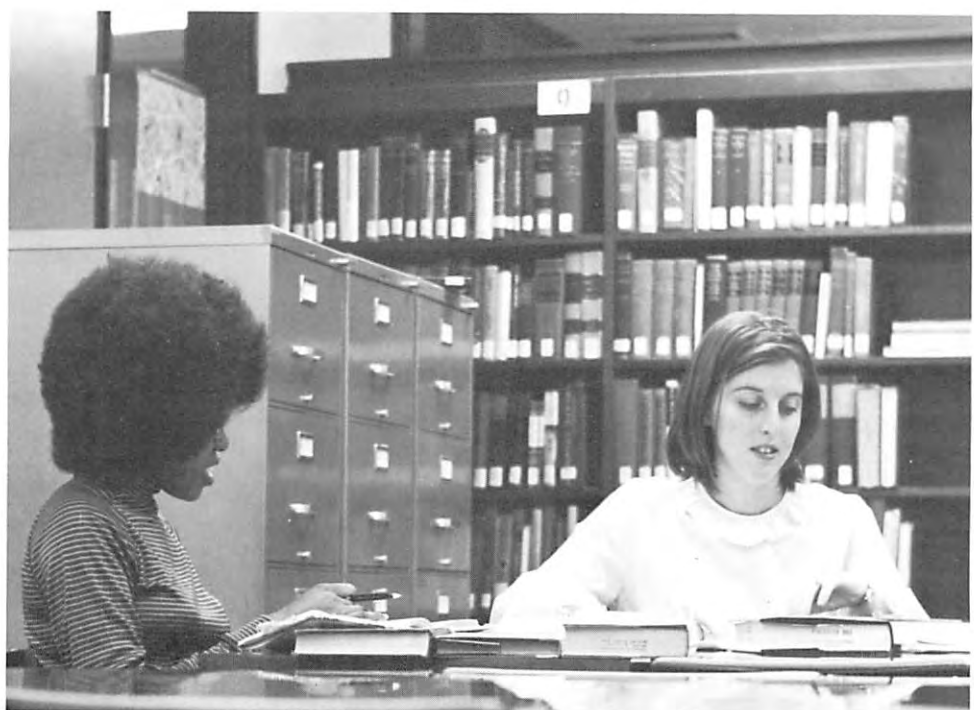
SOPHOMORE YEAR

1140	Statistics		3
1209	Introduction to Marketing	3	
1286-87	Economics I-II	3	3
1292-93	Marketing Seminar II-III	2	2
2000 Activities Courses	Physical Education	1	1
3175 and 3178, or 3179, 3180, 3279, 3280, 4109, 4228, 4276	Humanities	3	3
5101 or 5120 or 5220	Mathematics	(4)3	
7135 or 7138 or 7109	Physical Science		4
	Electives	3	
		<hr/>	<hr/>
		(19)18	16

Electives may be chosen from:

* 1278-79	Independent Study I-II
1283-84	Hotel-Motel Management I-II
4105	Speech

* Designed to offer a student directed studies in specialty areas in which courses work is not offered—for example, real estate, insurance, etc.



ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
MATHEMATICS
FRESHMAN YEAR

Course	Description	1st Term	2nd Term	3rd Term
2000 Activity Courses 4100-01 or 4102-03 or 4116-17	Physical Education	1	1	1
4140-41 or 4240-41 or 4245-46 or 4247-48	Communications Skills I-II	(3)4	(3)4	
4150-51 or 4251-52 or 4255-56 or 4257-58	Foreign Language French or German	3	3	
* 5120-21	Mathematics (pre-calculus)	4	4	
* 5220	Calculus I			4
7115-16	College Chemistry	4	4	
8149 or 8150-51			(3)	(3)4
		<hr/>	<hr/>	<hr/>
		(15)16	(18)16	(8)9

SOPHOMORE

2000 Activity Courses 3175 and 3178 or 3179, 3180, 3279, 3280, 4109, 4228, 4276	Physical Education	1		
4240-41 or 4245-46 or 4247-48	Humanities	3	3	
4251-52 or 4255-56 or 4257-58	Foreign Language (if not completed)	(3)	(3)	
	French or German			
6101-02, 6133-34 or 6200-01 or 6100 and 6256 or 6276 or 6277	Social Science	3	3	
5221-22	Calculus II-III	4	4	
5237	Linear Algebra		3	
7240-41	Physics	4	4	
		<hr/>	<hr/>	
		(18)15	(20)17	

* For the student who is well prepared, the mathematical sequence may begin with 5220, Calculus I, in the first term. Students who enter on this basis will be able to complete the program in the normal time. Students whose schedules permit should elect 5224.

Note: This program is designed to facilitate transfer to the more demanding senior institutions. Students should be in early touch with the senior institution of their choice so that a properly prepared General Arts and Science specialization (see page 61) is on file, if certain courses in the mathematics curriculum are not mandatory or differ from the prescribed sequence.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
MEDICINE, VETERINARY MEDICINE, OR DENTISTRY AND
MEDICAL TECHNOLOGY

FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Courses 4100-01 or 4102-03 or 4116-17	Physical Education	1	1
	Communication Skills I-II	(3)4	(3)4
	* Foreign Language	3	3
4140-41 or 4240-41 or 4245-46 or 4247-48	French		
4150-51 or 4250-51 or 4255-56 or 4257-58	or German		
4160-61 or 4260-61 or 4265-66 or 4267-68	or Spanish		
5101, 5120 or 5220	Mathematics	(4)3	
7115-16	General Chemistry I-II	4	4
8156, 8160	Botany, Zoology	4	4
		<hr/>	<hr/>
		19	(15)16

SOPHOMORE YEAR

2000 Activity Courses 3175 and 3178 or 3179, 3180, 3279, 3280, 4109, 4228, 4276	Physical Education	1	1
	Humanities	3	3
	* Foreign Language (if not complete)	(3)	(3)
4240-41 or 4245-46 or 4247-48	French		
4251-52 or 4255-56 or 4257-58	or German		
4260-61 or 4265-66 or 4267-68	or Spanish		
** 6133-34, 6101-02 or 6200-01 or 6100 and 6256, 6276 or 6277	Social Science	3	3
7216-17 or 7140-41 or 7240-41	Organic Chemistry I-II or Physics I-II	4	4
*** 8200	Comparative Vertebrate Anatomy	4	
8256	Cell Biology		3
		<hr/>	<hr/>
		(18)15	(17)14

* On the basis of sufficient prior studies in a given language, a student may with the permission of the instructor be enrolled initially in second-year language and thus fulfill the language requirements in one year, or he may take third year as part of his program.

** 6133-34 or 6101-02 may be taken by freshmen with permission of the instructor.

*** Not required for medical technology.

Note: For medical technology, foreign language is not required. However, physics is recommended.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
MINISTRY

FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Courses	Physical Education	1	1
4100-01 or 4102-03 or 4116-17	Communication Skills I-II	(3)4	(3)4
4105	Speech		3
4109	World Literature		3
5101, 5120 or 5220	Mathematics	(4)3	
6276	Psychology	3	
7135, 7138, 7115-16, 7140-41, 7145-46, or 7240-41	Physical Science	(4)	4
8149, 8150-51, or 8156, 8160	Biology	(3)4	(3)
		<hr/>	<hr/>
		(18)15	(17)15

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	1
3175 and 3178 or 3179, 3180 or 4228 or 4276	Humanities	3	3
3279	Philosophy	3	
3280	Comparative Religion		3
6133-34	World Civilization	3	3
6277	Sociology	3	
	Electives as required	4	7
		<hr/>	<hr/>
		17	17

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
MUSIC

FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Courses	Physical Education	1	1
3112-13	Woodwind Technique	1	1
3118-19	Music Theory I-II	4	4
3171	Applied Music: Principal	2	2
3172	Applied Music: Secondary	1	1
* 3252-53	Music Literature	2	2
4100-01 or 4102-03 or 4116-17	Communications I-II	(3)4	(3)4
7135 or 7138	Physical Science		4
8149	Biology	4	
		<hr/>	<hr/>
		(18)19	(18)19

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	1
3175 or 3178, 3179, 3180, 3279, 3280, 4109, 4228 or 4276	Humanities	3	
3218-19	Music Theory III-IV	4	4
3227-28	Brass Techniques	1	1
3250	Keyboard Harmony		2
3271	Applied Music Principal	2	2
5101, 5120 or 5220	Mathematics	(4)3	
6133-34, 6101-02 or 6200-01 or 6100 and 6256, 6276 or 6277	Social Studies	3	3
	General Education Electives		(6)4
		<hr/>	<hr/>
		(18)17	(19)17

* Open only to Music majors to satisfy part of the humanities requirement. Every Music major MUST participate in College Chorus each semester. Every instrumental major MUST participate in College Band every semester. Secondary instrument requirement will be waived as soon as the performing examination is passed.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
NURSING

FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Courses 4100-01 or 4102-03 or 4116-17	Physical Education	1	1
4105	Communication Skills I-II	(3)4	(3)4
5101, 5120 or 5220	Speech	3	
7115	Mathematics		(4)3
8156-60	Chemistry I	4	
	Botany and Zoology	4	4
	Electives (General Education)		4
		<hr/>	<hr/>
		(15)16	16

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	1
3175 and 3178 or 3179, 3180, 3279, 3280, 4109, 4228, 4276	Humanities	3	3
6100	American Civilization	3	
6210	Human Growth and Development	3	
6276	Psychology	3	
6277	Sociology		3
8155	Anatomy and Physiology		4
8221	Nutrition	3	
8250	Microbiology		4
	* Electives		3
		<hr/>	<hr/>
		16	18

* The proper selection of courses in this program is very important; therefore, any student planning to major in this program at a senior institution should get a catalog from the institution to which he is planning to transfer so that he can plan his program carefully.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
PHYSICAL EDUCATION
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Courses	Physical Education	(2)1	(2)1
2100	Introduction to Education	3	
2140	First Aid	2	
2190	Introduction to Physical Education		3
4100-01 or 4102-03 or 4116-17	Communication Skills I-II	(3)4	(3)4
5101, 5120 or 5220	Mathematics	(4)3	
7135 or 7138	Physical Science or Earth Science		4
8150-51	Biology	3	3
		<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> (17)16	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	1
2146	Personal and Community Health	3	
2296	Camp Counseling		3
3175 and 3178, 3179, 3180 or 3279, 3280, 4109, 4228 or 4276	Humanities	3	3
4105	Speech	3	
6101-02, 6133-34 or 6200-01	Social Science	3	3
6210 or 6278	Human Growth and Development or Educational Psychology		3
6276	Psychology	3	
8155	Human Anatomy and Physiology		4
		<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
PHYSICS

FRESHMAN YEAR

Course	Description	1st Term	2nd Term	3rd Term
2000 Activity Courses 4100-01 or 4102-03 or 4116-17	Physical Education	1	1	
* 5120-21	Communications Skills I-II	(3)4	(3)4	
* 5220	Mathematics	4	4	
6133-34 or 6101-02 or 6200-01 or 6100 and 6256, 6276 or 6277	Calculus I			4
7115-7116	Social Science	3	3	
	College Chemistry I-II	4	4	
		<hr/>	<hr/>	<hr/>
		(15)16	(15)16	4

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	1	
3175 and 3178 or 3179, 3180, 3279, 3280, 4109, 4228 or 4276	Humanities	3	3	
5221-22	Calculus II-III	4	4	
5237	Linear Algebra		3	
7240-41	College Physics I-II	4	4	
8149 or 8150-51	Biology	(3)4	(3)	
		<hr/>	<hr/>	
		(15)16	(18)15	

* The well-prepared student may start mathematics sequence with 5220 with permission of department chairman and may begin a foreign language or other elective in freshman year. Students whose schedules permit should elect 5224. Foreign language (French or German) should be added if transferring to an institution that requires foreign language for the degree.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
SCIENTIFIC DATA PROCESSING
FRESHMAN YEAR

Course	Description	1st Term	2nd Term	3rd Term
1814	Data Processing Concepts	3		
2000 Activity Courses	Physical Education	1	1	
3175 and 3178 or 3179, 3180, 3279, 3280, 4109, 4228 or 4276	Humanities	3	3	
4100-01 or 4102-03 or 4116-17	Communications Skills I-II	(3)4	(3)4	
* 5120-21	College Algebra	4	4	
5220	Calculus I			4
8149	Biology	(3)	(3)4	
		-----	-----	-----
		(17)15	(14)16	4

SOPHOMORE YEAR

1207	Data Processing Systems Design			3
1208	FORTTRAN Programming	4		
2000 Activity Courses	Physical Education	1	1	
5221-22	Calculus II-III	4	4	
6133-34 or 6101-02 or 6200-01 or 6100 and 6256, 6276 or 6277	Social Science	3	3	
7240-41	Physics I-II	4	4	
		-----	-----	
		16	15	

* Other mathematics courses may be prerequisite for 5120, or the well-prepared student may fulfill the requirement by starting with 5220 and electing chemistry instead of algebra.
 Recommended electives: 5224, Differential Equations; 5237 Linear Algebra; 7115-16 Chemistry.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
SPEECH

FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 (Activity Course) 4100-01 or 4102-03 or 4116-17	Physical Education	1	1
4105 4274	Communication Skills I-II Speech	(3)4 3	(3)4
5101 or 5120 or 5220 6133-34 or 6200-01 or 6101-02 or 6100 and 6256 or 6277 or 6202	Mathematics	(4)3	3
8149 or 8150-51	Social Science	3	3
2100 or 4109 or 4228 or 6276	Biology	3	(4)3
	Elective		3
		<hr style="width: 50px; margin: 0 auto;"/>	<hr style="width: 50px; margin: 0 auto;"/>
		17	17

SOPHOMORE YEAR

2000 (Activity Course) 3175 and 3178 or 3179, 3180, 3279, 3280	Physical Education	1	1
4108, 4274, 4276, 4277	Humanities	3	3
7109 or 7135 or 7138	Speech related courses	6	6
4220-21 or 4226-27	Physical Science	4	
	Electives	3	3
		<hr style="width: 50px; margin: 0 auto;"/>	<hr style="width: 50px; margin: 0 auto;"/>
		17	13

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
TEACHER EDUCATION
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Courses	Physical Education	1	1
2100	Introduction to Education	3	
4100-01 or 4102-03 or 4116-17	Communication Skills I-II	(3)4	(3)4
4105	Speech		3
4109	World Literature		3
6276	Psychology	3	
7135, 7138, 7115-16, 7140-41, 7145-46, or 7240-41	Physical Science	4	(4)
8149 or 8156-60 or 8150-8151	Biology	(3)4	(3)4
		<hr/>	<hr/>
		(17)19	(17)15

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	1
* 3150	Music Fundamentals	3	
3175 and 3179, 3279, 3280, 4228, 4276	Humanities	3	3
** 5101 or 5120			
* 5105 and 5210	Mathematics	3	(3)
6133-34, 6200-01 or 6101-02 or 6100 and 6256 or 6277	Social Science	3	3
6278 or 6210	** Educational Psychology or * Human Growth and Develop- ment	3	
	Electives—General Education		8
		<hr/>	<hr/>
		16	(18)15

* For elementary teachers only.

** For secondary teachers only.

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
TEACHER EDUCATION (SCIENCE OPTION)

FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Courses	Physical Education	1	1
2100	Introduction to Education	3	
4100-01 or 4102-03 or 4116-17	Communication Skills I-II	(3)4	(3)4
4105	Speech		3
5101, 5120 or 5220	Mathematics		(4)3
6276	Psychology	3	
8156-60 or 8150-51	Biology	(3)4	(3)4
		<hr/>	<hr/>
		(13)15	(16)15

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	1
3175 and 3179, 3279, 3280, 4109, 4228 or 4276	Humanities	3	3
5120 or Higher Level	Mathematics	4	
6200-01 or 6133-34	Social Studies	3	3
6278	Educational Psychology		3
7115-16, 7140-41 or 7145-46 or 7240-41	Physics or Chemistry	4	4
	Electives (Science)	2	3
		<hr/>	<hr/>
		17	17

ASSOCIATE OF ARTS DEGREE
A Transfer Program Leading to a Bachelor's Degree in
GENERAL ARTS AND SCIENCES

A specialization designed to permit planning of individually developed curricula for the following needs:

(1) Students who seek a specialization not previously listed may request approval by the Dean of Instruction and the Chairman of any of the following disciplines of a specially designed sequence which, *with the general education sequence*, will meet degree requirements: Biological Science, Business, Communications, Humanities, Mathematics, Music, Physical Education, Physical Science, Social Sciences, and Technical.

(2) Fulfillment of general education requirements as defined on Page 37.

(3) Students who intend to transfer to a specific known senior institution may arrange a specialization program, with the approval of a faculty advisor and the Dean of Instruction, which will articulate most effectively with the junior and senior years at that institution; which specialization, *along with the general education sequence*, shall meet degree requirements.

(4) Transfer Programs other than those listed on Pages 38-60. Every Associate of Arts degree student must have a planned program of 24 or more semester hours beyond general education requirements. For a student who does not elect one of the curricula on Pages 38-60 of the 1972-73 catalog, a *planned program* means one worked out with an advisor or counselor and approved in advance of the second year of study by the Dean of Instruction.

(5) Modern Languages. Any student who looks forward to graduate work beyond his bachelor's degree is strongly advised to begin his modern language study in junior college. Most graduate schools require one or two languages for a master's or doctor's degree. A student who is contemplating graduate study should consider the Liberal Arts Curriculum on Page 47.

ASSOCIATE OF SCIENCE DEGREE

Associate of Science Degree programs provide for specialization in technical, business, semi-professional, and supervisory education. Okaloosa-Walton Junior College within its objective of continuing study has developed programs for such studies based on the assumption that self-contained curricula will best equip each student who selects one of these programs to pursue fulfillment of his role as a productive citizen. Programs include study and practical applications, both on the job and in the laboratory.

Courses in Residence. (Credit hours taken at Okaloosa-Walton Junior College.) Minimum requirement of courses taken in residence for an Associate of Science Degree at Okaloosa-Walton Junior College is 15 semester hours of credit immediately preceding graduation.

General Education. The general education program for the Associate of Science Degree at Okaloosa-Walton Junior College embraces a minimum of 26 semester hours of academic credit in the areas of communications, humanities, social science, mathematics, science, and physical education, as follow:

General Education Requirements for Associate of Science Degree

	Semester Hours
<i>English:</i> Two courses—4100-01 or 4102-03 or 4110-11 or 4116-17 ...	6-8
<i>Humanities:</i> 3175.	3
<i>Mathematics:</i> 1130, 5101, 5160, 5161, 5260, 5261	3-4
<i>Physical Education:</i> Four semester hours of activity courses, 2000 series. Exemptions page 26	4
<i>Science:</i> 7135, 7138, 7140-41, 8149, or 8150-51	4-6
<i>Social Studies:</i> 6100, 6101, 6134, 6200	3
<i>Approved Electives:</i> Selected from within the above departments but not restricted to the courses named	3
	26-31

Specialization. In order to complete requirements for graduation, each student must have earned at least 64 semester hours of credit, with a minimum of 26 in the general education sequence and an approximate total of 38 in a specialization.

The specialization within which students should plan their programs are described in the following section.

ASSOCIATE OF SCIENCE DEGREE
A Specialized Program Leading to a Career in
AIR CONDITIONING AND REFRIGERATION TECHNOLOGY
FRESHMAN YEAR

Course	Description	1st Term	2nd. Term
2000 Activity Courses	Physical Education	1	1
3175	Humanities I		3
* 4110	English I	3	
* 4112	Report Writing		3
* 5160-61	Mathematics I-II	3	3
6101	American Government I	3	
7100	Principles of Air Conditioning I		3
7125	Drafting and Blueprint Reading	3	
7140-41	Physics I-II	4	4
		—	—
		17	17

SOPHOMORE YEAR

* 1130	Business Mathematics	3	
1277	Management	3	
2000 Activity Courses	Physical Education	1	1
7270-71	Systems Design I-II	5	5
7265	Air Conditioning I		3
7267	Control Systems	3	
7272	Air Conditioning Problems		3
7273	Psychrometrics		3
		—	—
		15	15

* These courses meet the General Education requirement for the Associate of Science Degree only.

ASSOCIATE OF SCIENCE DEGREE
A Specialized Program Leading to a Career in
GENERAL BUSINESS MANAGEMENT
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
* 1110	Typewriting	(2)	
2000 Activity Courses	Physical Education	1	1
4100-01 or 4102-03 or ** 4110-11 or 4116-17	Communication Skills I-II	(3)4	(3)4
** 1130 or 5101 or 5120 or 5220	Mathematics	(4)3	
1131	Introduction to Business	3	
1202	Basic Office Machines		2
1221	Business Law I		3
1276	Human Relations		3
7135 or 7138	Physical Science	4	
8149 or 8150-51	Biology	(3)	(3)4
		<hr/>	<hr/>
		(20)15	(15)17

SOPHOMORE YEAR

1200-01	Accounting I-II	3	3
1221	Business Law II	3	
1240	Business Communications	3	
1276	Management		3
1289	Basic American Economics	3	
2000 Activity Courses	Physical Education	1	1
3175	Humanities I	3	
6100, 6101, 6134, or 6200	Social Science Electives		3 6
		<hr/>	<hr/>
		16	16

* The requirement of Basic Typewriting will be waived for students who pass a proficiency test in typewriting or present a satisfactory grade for one year of typewriting at the high school level.

**These courses meet the General Education requirements for the Associate of Science Degree only.

ASSOCIATE OF SCIENCE DEGREE
A Specialized Program Leading to a Career as a
CHILD DEVELOPMENT ASSOCIATE *
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
** 1276	Human Relations	3	
2000 Activity Courses	Physical Education	1	1
3175	Humanities I		3
4100-01 or 4102-03 or ** 4110-11 or 4116-17	Communication Skills I-II	(3)4	(3)4
5101	Mathematics		3
6100	Social Science	3	
6105	Observing and Recording Child Behavior	3	
6160-61	Child Growth and Develop- ment I-II	3	3
6262	Curriculum for Young Children I		3
		<hr style="width: 100px; margin: 0 auto;"/> (16)17	<hr style="width: 100px; margin: 0 auto;"/> (16)17

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	1
6203	The Family and Society	3	
6260	Programs for Young Children	3	
6261	Child Nutrition and Health	3	
6263	Curriculum for Young Children II		4
6264	Curriculum for Young Children III		4
6265	Curriculum for Young Children IV		4
6266	Child Development Seminar		3
7109 or 7135 or 7138 or 8150-51	Physical Science or Biology Elective	(3)4 3	(3)
		<hr style="width: 100px; margin: 0 auto;"/> (16)17	<hr style="width: 100px; margin: 0 auto;"/> (19)16

* Graduates may be employed in day care centers, headstart centers, school settings as teacher aides, and other child related assignments.

** These courses meet the General Education requirements for the Associate Science Degree only.

ASSOCIATE OF SCIENCE DEGREE
A Specialized Program Leading to a Career in
COMMERCIAL DATA PROCESSING
FRESHMAN YEAR

Course	Description	1st Term	2nd Term	3rd Term
* 1110	Typewriting	2		
1131	Introduction to Business	3		
1814	Basic Concepts of Data Processing	3		
1815	Computer Mathematics	3		
1200-01	Accounting I-II		3	3
1204	COBOL Programming		4	
2000 Activity Courses	Physical Education	1	1	
3175	Humanities I			3
4100-01 or 4102-03 or 4116-17	Communication Skills I-II	(3)4	(3)4	
6100 or 6101, 6200 or 6134	Social Sciences		3	
		-----	-----	-----
		(15)16	(14)15	6

SOPHOMORE YEAR

1140	Statistics		3	
1207	Data Processing Systems Design and Procedures		3	
1208	FORTTRAN Programming	4		
1244	Cost Accounting	3		
1286-87	Economics I-II	3	3	
2000 Activity Courses	Physical Education	1	1	
7135 or 7138	Physical Science or Earth Science	4		
8149 or 8150-51	Biology	(3)	(3)4	
	Elective		3	
		-----	-----	
		(18)15	(16)17	

* The requirement of Basic Typewriting will be waived for students who pass a proficiency test in typewriting or present satisfactory grade for one year typewriting at the high school level. If the course is waived, a substitute must be taken.

ASSOCIATE OF SCIENCE DEGREE
A Specialized Program Leading to a Career in
COMMERCIAL FOOD SERVICE MANAGEMENT

FRESHMAN YEAR

Course	Description	1st Term	2nd Term
1130	Business Mathematics	3	
1200	Accounting I		3
2000 Activity Courses	Physical Education	1	1
* 4110	English	3	
6100 or 6101, 6134, 6200	Social Science		3
7135 or 7138 or 8150-51	Physical or Biological Science	(3)4	(3)
7826	Sanitation and Safety		3
7831	Basic Foods	4	
7833	Orientation to Food Services Industry	2	
7878	Equipment and Work Simpli- fication		3
	* Electives		2-3
		<hr/>	<hr/>
		(16)17	(19)16

SOPHOMORE YEAR

1289	Basic American Economics		3
2000 Activity Courses	Physical Education	1	1
3175	Humanities		3
* 4111 or 4112	English	3	
7872	Nutrition and Menu Design	3	
7873	Food Service Cost Control	3	
7874	Human Relations and Management in Food Industry		3
7875	Restaurant Management		3
7876	Purchasing for Food Service Industry	3	
7877	Quantity Food Production		4
	Electives (General Education)	3	
		<hr/>	<hr/>
		16	17

OPTIONAL ELECTIVES:

7870	Directed Practice in Food Service Management		4
** 8250	Microbiology		4

* These courses meet the General Education requirements for the Associate of Science Degree only.

** if not in 8150-51 series

ASSOCIATE OF SCIENCE DEGREE
A Specialized Program Leading to a Career in
DRAFTING AND DESIGN TECHNOLOGY
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
2000 Activity Courses	Physical Education	1	1
4100 or 4102 or * 4110	Communication Skills	(4)3	
* 4112	Technical Report Writing		3
* 5161, 5260	Mathematics II-III	3	3
* 7107	Industrial Processes	3	
7122-23	Drafting and Design I-II	5	5
7140	Physics I		4
		(16)15	16

SOPHOMORE YEAR

* 1276	Human Relations	3	
2000 Activity Courses	Physical Education	1	1
3175	Humanities	3	
6101	American Government I	3	
7141	Physics II	4	
7244	Surveying I		3
7245	Strength of Materials		3
7246	App. Mechanics—Statics		3
	Approved Electives	3	6
		17	16

APPROVED ELECTIVES

		Hours
7234	Machine Design	3
7239	Introduction to Architecture	3
7248	App. Mech—Dynamics	3
7251	Surveying II	3
7252	Structures	3
7257	Building Construction and Materials	3
7258	Tool and Die Design	3

* These courses meet the General Education requirements for the Associate of Science degree only.

ASSOCIATE OF SCIENCE DEGREE
A Specialized Program Leading to a Career in
ELECTRONICS TECHNOLOGY
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
* 1276	Human Relations		3
2000 Activity Courses	Physical Education	1	1
4100 or 4102 or * 4110	Communications Skills	(4)3	
* 4112	Technical Report Writing		3
* 5161, 5260	Mathematics II, III	3	3
6101	American Government I	3	
7105	Engineering Graphics	3	
7161	Electrical Fields and Forces	2	
7162	Electrical Materials		2
7140	Physics I		4
		<hr/>	<hr/>
		(16)15	16

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	1
3175	Humanities I	3	
7141	Physics II	4	
7163	Circuit Analysis I	3	
7164	Electronic Devices	3	
7231	Computer Fundamentals		3
7280	Semiconductors		3
7281	Circuit Analysis II		3
7282	Electronic Drafting and Fabrication	1	
7283	Industrial Electronics		3
7284	Electronic Circuits		3
	Electives	2	
		<hr/>	<hr/>
		17	16

* These courses meet the General Education requirements for the Associate of Science degree only.

ASSOCIATE OF SCIENCE DEGREE
A Specialized Program Leading to a Career in
MID-MANAGEMENT
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
1131	Introduction to Business	3	
1200	Accounting I		3
1220	Business Law I	3	
1270	Salesmanship	3	
1282	Advertising		3
1291	Marketing Seminar I		2
2000 Activity Courses	Physical Education	1	1
4100-01, or 4102-03			
4116-17	Communication Skills I-II	(3)4	(3)4
6100	American Civilization	3	
7135, or 7138 or 8149 or 8150-51	Physical or Biological Science	(3)	(3)4
		<hr/>	<hr/>
		(19)17	(15)17

SOPHOMORE YEAR

1201 or 1221	Accounting II or Business Law II	3	
1209	Introduction to Marketing		3
** 1276	Human Relations		3
1277	Management		3
1286, or 1289	Economics I	3	
1292-93	Marketing Seminar II-III	2	2
2000 Activity Courses	Physical Education	1	1
3175	Humanities	3	
5101, or ** 1130, or 5120, or 5220	Mathematics Electives	3	3
		<hr/>	<hr/>
		15	15

* Electives may be chosen from: Humanities, 3179; Retail Management, 1280-81; Hotel-Motel Management 1283-84; Independent Study, 1278-79; Economics II, 1287; Statistics, 1140; Speech, 4105.

** These courses meet the General Education requirements for the Associate of Science Degree only.

ASSOCIATE OF SCIENCE DEGREE
A Specialized Program Leading to a Career in
POLICE SCIENCE
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
* 1130 or 5101	Mathematics	3	
2000 Activity Courses	Physical Education		1
2140	First Aid		2
2158	Defensive Tactics	2	
4100-01 or 4102-03	Communication Skills I-II	(3)4	(3)4
* 4112	Technical Report Writing		3
6101	American Government I	3	
6140	Intro to Law Enforcement	3	
6141	Administration of Criminal Justice		3
6243	Police Operations		3
6276 or 6277	Psychology or Sociology	3	
		<hr/>	<hr/>
		(17)18	(15)16

SOPHOMORE YEAR

2000 Activity Courses	Physical Education	1	
2191	Firearms		1
3175	Humanities I		3
4105	Speech		3
6142	Police Organization and Administration	3	
6143	Crime and Delinquency		3
6145	Criminal Law	3	
6240	Penology and Corrections		3
6241, 6248	Criminal Investigation I-II	3	3
7109 or 7135 or 7138 or 8149 or 8155	Physical or Biological Science	4	
	Elective	3	
		<hr/>	<hr/>
		17	16

* These courses meet the General Education requirement for the Associate of Science Degree only.

ASSOCIATE OF SCIENCE DEGREE
A Specialized Program Leading to a Career in
SECRETARIAL SCIENCE
FRESHMAN YEAR

Course	Description	1st Term	2nd Term
* 1110, 1111, 1210	Typewriting	2	2
* 1120, 1150, 1250	Shorthand	3	3
** 1130 or 5101 or 5120 or 5220	Mathematics		(4)3
1131	Introduction to Business	3	
1133	Secretarial Accounting		3
2000 Activity Courses	Physical Education	1	1
4100-01 or 4102-03			
or ** 4110-11 or 4116-17	Communication Skills I-II	(3)4	(3)4
8149 or 8150-51	Biology	(3)4	(3)
		<hr/>	<hr/>
		(15)17	(19)16

SOPHOMORE YEAR

1202	Basic Office Machines	2	
1205	Secretarial Machines and Records Management		3
1220	Business Law	3	
1240	Business Communications		3
1260	Secretarial Office Procedures		3
** 1276	Human Relations	3	
1289	Basic American Economics	3	
2000 Activity Courses	Physical Education	1	1
3175	Humanities		3
6100 or 6101	Social Studies		3
7135 or 7138	Physical Science	4	
		<hr/>	<hr/>
		16	16

* Students will be admitted to the levels of typewriting and shorthand for which they are qualified.

** These courses meet the General Education requirements for the Associate of Science Degree only.

ADULT STUDIES PROGRAMS

Adult Studies Programs provide educational opportunities for any person legally out of grades 1-12 by virtue of age or situation regardless of the grade previously completed. The courses in this area include vocational, technical, high school completion, general adult education and adult basic education. Certificates and/or diplomas are awarded for completion of the various programs in the Adult Studies areas with no less than 30% of the work in each program (except Adult Basic Education and High School Completion) earned in residence. All programs and announcements each year will be available in separate bulletins *on request*.

Okaloosa-Walton Junior College is the Area Adult and Vocational-Technical Education Facility for the District. Programs in five vocational areas are currently offered.

Business Education

Distributive Occupations

Home Economics

Industrial Education

Technical Education

Two-year college degree occupational programs are described under "Associate of Science Degree." Certificate Programs follow.

CERTIFICATE PROGRAMS *

Requirements for granting of certificate:

These programs are industrial-technical courses requiring study in trade areas and related classes. Students must be in attendance 85% of the scheduled class time. Each graduate must be in attendance at OWJC during his last term preceding graduation. A grade average of not less than "C" must be attained on the accumulative total of all work attempted, whether at OWJC or by transfer.

Students must make formal application for certificates on the proper form furnished by the Registrar.

AUTO BODY REPAIR AND REFINISHING**

7700	Auto Body 1.....	15 hours weekly
7701	Auto Body 2.....	15 hours weekly
7702	Auto Body 3.....	15 hours weekly
7703	Auto Body 4.....	15 hours weekly
7704	Auto Body 5.....	15 hours weekly
7705	Auto Body 6.....	15 hours weekly

AIR CONDITIONING AND REFRIGERATION MECHANICS **

7837	Basic Air Conditioning and Refrigeration Mechanics	15 hours weekly
7838	Refrigeration Mechanics I	15 hours weekly
7839	Refrigeration Mechanics II.....	15 hours weekly
7840	Air Conditioning Mechanics I	15 hours weekly
7841	Air Conditioning Mechanics II	15 hours weekly
7842	Advanced Air Conditioning and Refrigeration Mechanics	15 hours weekly

AUTO MECHANICS **

7971	Auto Mechanics I	15 hours weekly
7972	Auto Mechanics 2.....	15 hours weekly
7973	Auto Mechanics 3.....	15 hours weekly
7974	Auto Mechanics 4.....	15 hours weekly
7975	Auto Mechanics 5.....	15 hours weekly
7976	Auto Mechanics 6.....	15 hours weekly

BRICK AND BLOCKLAYING **

7790	Brick and Blocklaying 1	15 hours weekly
7791	Brick and Blocklaying 2	15 hours weekly
7792	Brick and Blocklaying 3	15 hours weekly
7793	Brick and Blocklaying 4	15 hours weekly
7794	Brick and Blocklaying 5	15 hours weekly
7795	Brick and Blocklaying 6	15 hours weekly

* When the certificate requirements are designated in "Class Hours" high school graduation is not a prerequisite for admission; when the requirements are in "Semester Hours," high school graduation is a prerequisite.

** Programs approved for Veterans training. All certificate courses meet 1/2 time V.A. requirements.

INDUSTRIAL DRAFTING AND DESIGN **

7770	Industrial Drafting and Design 1	15 hours weekly
7771	Industrial Drafting and Design 2	15 hours weekly
7772	Industrial Drafting and Design 3	15 hours weekly
7773	Industrial Drafting and Design 4	15 hours weekly

INDUSTRIAL ELECTRONICS **

7780	Industrial Electronics 1	15 hours weekly
7781	Industrial Electronics 2	15 hours weekly
7782	Industrial Electronics 3	15 hours weekly
7783	Industrial Electronics 4	15 hours weekly
7784	Industrial Electronics 5	15 hours weekly
7785	Industrial Electronics 6	15 hours weekly

WELDING MECHANICS **

7743	Welding 1	15 hours weekly
7744	Welding 2	15 hours weekly
7745	Welding 3	15 hours weekly
7746	Welding 4	15 hours weekly
7747	Welding 5	15 hours weekly
7748	Welding 6	15 hours weekly

** Programs approved for Veterans training. All certificate courses meet ½ time V.A. requirements.

COMMERCIAL FOOD SERVICES

Course No.	Course Title	Class Hours
1905	Business Arithmetic	45
4610	Reading	45
4800	English	45
5610	General Mathematics	45
7750	Equipment Usage for Job Simplification	60
7751 *	Quantity Foods	90
7753 **	Human Relations for the Food Industry	60
7755	Introduction to Sanitation and Safety	45
7758 ***	Sales and Sales Backup	60
7759	Inventory Control and Management	60
7760	Directed Practice in Food Service Operation	180
7921	Beginning Foods	90
7922	Introduction to Food Services	30

765-855

* Optional if interested in front of house operation only

** Highly recommended for those interested in production operation and front of house operation

*** Optional if interested in food production operation only

CLERICAL *

Suggested Program	Semester Hours
1110 Typewriting I.....	2
1111 Typewriting II.....	2
1130 Business Mathematics.....	3
1131 Business.....	3
1240 Business Communications.....	3
1260 Office Practices.....	3
1277 Management.....	3
4100 Communication Skills I.....	4
Electives.....	7
	—
	30

STENOGRAPHIC *

Suggested Program	Semester Hours
1131 Introduction to Business.....	3
1150 Dictation.....	3
1210 Typewriting III.....	2
1240 Business Communications.....	3
1250 Transcription.....	3
1260 Office Practices.....	3
1277 Management.....	3
4100 Communication Skills I.....	4
Electives.....	6
	—
	30

* High School graduation required for entry. Certificates will be issued only upon full completion of each program.

A student will not be issued a diploma in these College-Credit Programs unless he has attained a minimum 2.0 average.

GENERAL ADULT EDUCATION

ADULT BASIC EDUCATION

Coursework leading to completion of elementary studies is available, without charge, through the Adult Basic Education Program.

ADULT HIGH SCHOOL

Coursework leading to completion of a high school diploma is available through Adult High School Program. To earn an OWJC high school diploma, a student must complete at least two units of high school work at this institution. Students who are present for less than 75% of the classes will be subject to termination in the course and cannot be granted credit for the course. A student with two or more F's in one semester will be subject to suspension for a minimum of one semester.

The Adult High School programs offer credit only on the eleventh and twelfth-grade levels. Students eligible to return to their respective high schools are encouraged to do so; however, should an eligible student with less than a tenth-grade education wish to enroll, he will be required to prepare for eleventh-grade standing by successfully passing the accelerated high school program or demonstrating equivalent readiness for entry into the eleventh-grade programs. Students who are at least seventeen and one-half years of age or older may prefer to work for a high school equivalency diploma through the OWJC accelerated high school courses.

Each candidate for an OWJC diploma must present the following units of credit:

English	3-4 units
Social Studies (U.S. Constitution Required)	2-3 units
* Mathematics	1-2 units
* Science	1-2 units
	<hr/>
	8 units *

* Total of 3 units in Mathematics and Science required.

In addition, College Preparatory students must earn at least eight units of electives in courses relating to the subject in which they plan to major when attending college.

Business students, whether in Bookkeeping, Clerical, Secretarial, or Distribution Education, must earn eight additional units in business-related high school courses.

Vocational and Technical students must earn at least eight units in their area of specialization.

COURSE DESCRIPTIONS

The courses which are offered by Okaloosa-Walton Junior College are listed below in numerical order within eight subject matter areas. The first digit of a course number indicates the subject matter area within which that course is offered:

1. Business
2. Education and Physical Education
3. Art, Humanities, and Music
4. English, Speech and Foreign Language
5. Mathematics
6. Social Sciences
7. Physical Science and Technology
8. Biological Sciences

The second digit * of a course number indicates the class level or specialized nature of the course.

1. Freshman
2. Sophomore
3. Junior
4. Senior
5. Graduate
6. General Adult
7. Industrial
8. Technical
9. Vocational

The third and fourth digits of the numbers are used for the sequential numbering of the courses in each area; 1110 represents a business course on the freshman level which is the first of a sequence, 1111 being the second course of that sequence, and 1210 being the sophomore level course in the same subject matter area. 7608 is a science course in the adult high school program providing 1½ unit toward graduation, 7700 is a course in industrial education leading to a certificate; and 7701 is the second in a sequence in the same subject. *Courses identified as "Certificate Program" are uniquely designed for special interest groups.*

A cross-reference list of course numbers in use prior to the Fall Semester, 1966, is available from the Registrar.

Since various courses are dependent upon mastery of certain competencies or prerequisites, admission to any course is subject to approval by the respective department chairman.

BUSINESS

1110 Typewriting I, 2 semester hours, 1 lec., 3 lab.

Development of correct typewriting technique, learning keyboard control, problem typing and business letter writing.

1111 Typewriting II, 2 semester hours, 1 lec., 3 lab.

Speed building through basic technique, tabulation, business letter writing, reports, and manuscript typing. Prerequisite: Previous typewriting experience or permission of the instructor.

* Only numbers 1 and 2 pertain to those freshman and sophomore courses which typically constitute the Associate of Arts Degree programs. Numbers 3, 4, 5 are correlated with statewide course coding and pertain to advanced undergraduate courses, therefore, not occurring in OWJC course numbering. Numbers 6 through 9 designate specialized courses within the various occupational and preparatory programs.

- 1120 Shorthand, 3 semester hours, 2 lec., 3 lab.
Basic skills and vocabulary of shorthand. Beginning of dictation and transcription.
- 1130 Business Mathematics, 3 semester hours, 3 lec.
Mathematical problems involved in business transactions including payrolls, depreciation, simple and compound interest, cash and trade discounts, promissory notes, drafts, taxes, insurance, and similar transactions. Prerequisite: Satisfactory score on mathematics section of the Florida High School Placement Test, satisfactory completion of 5101, or permission of instructor.
- 1131 Introduction to Business, 3 semester hours, 3 lec.
Designed to give students a broad understanding of the nature of business and a preliminary idea of the various areas of business specialization.
- 1133 Secretarial Accounting, 3 semester hours, 3 lec.
Designed to meet the needs of secretarial science majors by a comprehensive treatment of principles for sole proprietorship. Use of journals, ledgers, worksheets, and financial statements.
- 1140 Statistics, 3 semester hours, 3 lec.
Sampling and the concept of error, tabular and graphic presentation of data, time series and frequency distributions, simple index number, correlation and inference. For business majors.
- 1150 Dictation, 3 semester hours, 2 lec., 3 lab.
Speed-building in taking dictation and transcription. Prerequisite: Dictation experience or permission of the instructor.
- 1200—1201 Accounting I-II (3—3), 3 lec.
Principles of sole proprietorship. Use of journals, ledgers, trial balance, preparation of work sheets, balance sheets, profit and loss statements, controlling accounts and subsidiary ledgers. Voucher systems, partnerships, corporation accounting. Practice sets and problems required.
- 1202 Basic Office Machines, 2 semester hours, 1 lec., 2 lab.
Operation of adding and calculating machines, including touch control of the ten-key adding machine, the use of correction techniques, and the verification of answers.
- 1204 COBOL Programming, 4 semester hours, 2 lec., 4 lab.
A survey of automatic data processing and an introduction to COBOL programming. Historical development, general concepts and state of the art. COBOL is introduced with emphasis on problem solving. Emphasis on methods of analyzing business problems for computer adaptation. Prerequisite: 1814 or permission of instructor.
- 1205 Secretarial Machines and Records Management, 3 semester hours, 2 lec., 2 lab.
Operation of duplicating and copying machines, dictating and transcribing machines; alphabetic, numeric, geographic, and subject filing systems for record storing. Prerequisite 1111 or permission of the instructor. (Associate of Science degree students only.)
- 1207 Data Processing Systems Design and Procedures, 3 semester hours, 2 lec., 3 lab.
Data processing systems and procedures including analysis of various existing business data processing applications, integrated processing principles, total management information, and data system concepts. Case study projects developing detailed data processing procedures are stressed. Prerequisite: 1208 or permission of the instructor.

- 1208 **FORTRAN Programming**, 4 semester hours, 2 lec., 4 lab.
A survey of automatic data processing and an introduction to FORTRAN IV programming. Historical developments, general concepts, and state of the art. Problems are selected from scientific areas. Prerequisite: 1814 or permission of instructor.
- 1209 **Introduction to Marketing**, 3 semester hours, 3 lec.
An introductory course in the field of marketing including a look at marketing as it exists in our economy today. Consideration of the market, the product, distribution channels. Special emphasis on the study of human behavior in marketing promotion.
- 1210 **Typewriting III**, 2 semester hours, 1 lec., 3 lab.
Development of occupational proficiency in business letter writing, advanced tabulation, and manuscript typewriting. Prerequisite: 1111, or permission of the instructor.
- 1220—1221 **Business Law I-II (3—3)**, 3 semester hours, 3 lec.
The various laws that determine the rights and liabilities of persons taking part in business transactions, whether as individuals or as businessmen, in order to develop an understanding of the basic principles of law that govern our economic activities, to provide knowledge of the rights and remedies which the community, through law, makes available to those who engage in business transactions, and to provide such an understanding of the law that the student will know when a business legal problem is too difficult for him to determine for himself.
- 1240 **Business Communications**, 3 semester hours, 3 lec.
Correspondence and report forms for a business office; various kinds of business letters and reports.
- 1244 **Cost Accounting**, 3 semester hours, 3 lec.
Measuring unit production costs; principles of manufacturing, cost accounting for income planning, control and income measurement; product costing practice. Prerequisite: 1200-1201 or permission of the instructor.
- 1245 **Tax Accounting**, 3 semester hours, 3 lec.
Determining income of individuals, partnerships, and corporations for income tax purposes; interpretations of Internal Revenue Code, related regulations, and tax advisory services; payroll tax return of business firms. Prerequisite: 1200-1201 or permission of the instructor.
- 1250 **Transcription**, 3 semester hours, 2 lec., 3 lab.
Increasing accuracy in transcribing notes and a speed-building program for dictation. Prerequisite: 1150, or permission of the instructor.
- 1259 **General Office Practices**, 3 semester hours, 3 lec.
Secretary's duties in an office setting. Includes filing, telephone usage, record keeping, reports, minutes, office machines, and duplication procedures. Prerequisite: 1111.
- 1260 **Secretarial Office Practices**, 3 semester hours, 2 lec., 2 lab.
Secretary's duties in an office setting. Includes dictation, filing, telephone usage, record keeping, reports, minutes, office machines, and duplication procedures. Prerequisite: 1111 and 1120, or permission of the instructor.
- 1270 **Salesmanship**, 3 semester hours, 3 lec.
Selling, correct attitudes and personal attributes for dealing with the public on a business or professional basis.

- 1276 Human Relations, 3 semester hours, 3 lec.
 Designed to help students develop an understanding of how they may be motivated to work together in greater harmony in all kinds of organizations. The basis of human motivation and how it is influenced by leadership, the organization itself, and the social environment in which the organization exists.
- 1277 Management, 3 semester hours, 3 lec.
 Business organization and management problems and principles in personal management; budgets and financial controls; plant location and layout; and other vital managerial techniques.
- 1278—1279 Independent Study in Business I-II (3—3)
 Directed study and individual projects designed to meet the needs of students interested in a specialized area of business for which present course availability is limited. Feasible areas for study include food store management, interior decoration, fashion merchandising, etc., under the auspices of the mid-management program or as a supplement to the present accounting or other business programs.
- 1282 Introduction to Advertising, 3 semester hours, 3 lec.
 Advertising as a marketing tool, its planning, creation, and use. A survey of copy writing, layout, and media (newspapers, magazines, radio, television, films, etc.). Prerequisite: 1209.
- 1283—1284—1285 Hotel-Motel Management I-II-III (3—3—3), 3 lec.
 History, organization problems, and opportunities in hotel-motel industries. A study of the functions of departments, promotional and personnel functions of management; current trends and developments. Includes a unit on hotel machine accounting. Prerequisite: 1200, 1277, and 1209.
- 1286—1287 Economics I-II (3—3), 3 lec.
 Economics I, Macroeconomics, deals with Basic Economic concepts and develops the economics of public fiscal and monetary policy. Economics II provides microeconomic price theory concepts and treats current national and international economics problems.
- 1289 Basic American Economics, 3 semester hours, 3 lec.
 An analytical and problem-solving approach to both macroeconomics and microeconomics. Limited in mathematics to simple geometric presentations. Open to all students except Pre-Business Administration majors, who are required to take 1286-1287.
- 1291—1292—1293 Marketing Seminar I-II-III (2—2—2), 1 lec.
 One class hour per week discussing job problems and a minimum of twelve hours per week of on-the-job experience to be arranged.
- 1297 C.P.S. Review I, 2 semester hours, 2 lec.
 Preparation for the examination offered by the National Secretaries' Association for the designation of "Certified Professional Secretary." Includes review of personal adjustment and human relations, business administration, and business law.
- 1298 C.P.S. Review II, 2 semester hours, 2 lec.
 Continuation of C.P.S. Review I. Includes review of secretarial accounting, secretarial skills, and secretarial procedures.
- 1299 Tutorial—Business, 1 semester hour
 An experience in individual depth study in which one student prepares for and engages in tutoring another for two class periods per week.

- 1600 **Beginning Shorthand I, ½ unit**
Basic skills and vocabulary of shorthand. Beginning of dictation and transcription. Performance in transcription is comparable to high school courses in shorthand.
- 1601 **Beginning Shorthand II, ½ unit**
Enlargement of vocabulary in Gregg Shorthand Diamond Jubilee Series. Intensive dictation on familiar material and an introduction to transcription to bring the student closer to a degree of vocational skill in taking dictation and transcribing it in mailable form. Performance in transcription is comparable to high school courses in shorthand.
- 1605 **Key Punch Operation, 45 class hours**
Development of correct technique, learning keyboard and development of manual skill. Prerequisite: Permission of the instructor and ability to type.
- 1606 **Beginning Typewriting I, ½ unit**
Non-vocational course in typewriting for personal use; mastery of the keyboard and ability to write personal and business letters accurately. Comparable to high school courses in typewriting.
- 1608 **Principles of Data Processing, ½ unit**
The course provides orientation for punch card accounting machinery through the principles of computer programming. The course includes data processing overview, punched card data processing, detail computer components, coding systems, and data processing management.
- 1609 **Beginning Typewriting II, ½ unit**
A continuation of 1606.
- 1612 **Fundamentals of Data Processing, 1½ units, 270 class hours**
Learning the keyboard and development of manual skill of the keypunch and verifier. Basic principles of operation and functional principles of wiring of the interpreter, sorter, collator, reproducer, and accounting machine. (Designed for high school students)
- 1613 **Fundamentals of Computer Programming, 1½ units, 270 class hours**
Basic concepts and principles of programming, including history, type and uses, input/output and storage devices, flow charting and simple programming in COBOL. (Designed for high school students)
- 1664 **Real Estate Finance**
Includes the various methods of financing real estate with their advantages and disadvantages. Prerequisite: Permission of the instructor.
- 1697 **Advanced Secretarial Review I**
Preparation for the examination offered by the National Secretaries' Association for the designation of "Certified Professional Secretary." Review of personal adjustment and human relations, business administration, and business law.
- 1698 **Advanced Secretarial Review II**
Continuation of Advanced Secretarial Review I. Review of secretarial accounting, secretarial skills, and secretarial procedures.
- 1701 **Industrial Supervision and Foremanship**
Supervision of workers by studying and interpreting blueprints, sketches, and written or verbal orders, determining procedure of work, assigning duties, and inspecting work for quality and quantity production; timekeeping, production record keeping, and other record keeping; employing, training, and discharging workers; and setting up and inspecting equipment prior to regular operation.

- 1811 **Industrial Management and Supervision**
Preparation of technicians and personnel in specialized areas of industrial personnel management and supervision.
- 1814 **Basic Concepts of Data Processing, 3 semester hours, 3 lec.**
Data processing equipment; consideration of general systems design, machine wiring, card and report design, and typical unit record equipment components.
- 1815 **Computer Mathematics, 3 semester hours, 3 lec.**
Designed for the student entering the field of Data Processing. Includes study of number systems, basic algebraic techniques, matrix methods, linear programming control methods, modern algebra as applied to the computer.
- 1900 **Civil Service Preparation, 40 class hours**
A course designed to prepare prospective civil service employees to take the civil service examination.
- 1903—1904 **Business English I-II, ½—½ unit**
Effective oral and written expression for business; application of rules of grammar and development of vocabulary through supervised business activities involving speaking and writing.
- 1905 **Business Arithmetic, ½ unit**
Arithmetical concepts required for effective bookkeeping and merchandising; provides practice in solving business problems which involve mathematics.
- 1907 **Vocational Typewriting I, ½ unit**
Skills, techniques, and knowledge in the use of the typewriter for work in a business office in a clerical or stenographic position.
- 1909—1910—1911 **Shorthand I-II-III, ½, ½, ½ unit**
Integration of shorthand, English, and typewriting skills to develop the ability and speed for vocational competence.
- 1913 **High School Business Law, ½ unit**
Legal systems and principles of law applied to business situations; prepares the office worker to meet and cope with simple legal problems of an office occupation.
- 1915—1916 **Basic Office Practices I-II, ½—½ unit**
A laboratory course to aid the student in filing, duplicating, operating a switchboard and office machines, record keeping, and developing job efficiency; personal qualities and traits essential for success.
- 1917 **Advanced Secretarial Practice**
Preparation for the examination offered by the National Secretaries' Association for the designation of "Certified Professional Secretary." Open to secretaries interested in improving job proficiency.
- 1919 **Office Machines, ½ unit**
Practice in the use of business machines. Short courses to achieve proficiency on a specific type of office machine may be offered.
- 1920 **Postal Exam Preparation, 40 class hours**
Designed to aid all service personnel in preparing for the Postal Service Examination.
- 1921 **Bookkeeping I, ½ unit**
Complete bookkeeping cycle, including journalizing, posting, preparing financial statements, and adjusting and closing the books. Procedures for proprietorships, partnerships, and corporations, inventory methods, control accounts, special journals, and voucher systems, notes and drafts, depreciation and payroll methods.

1923—1924 Bookkeeping II-III, ½—½ unit

Theory and accounting procedures for merchandising, manufacturing concerns, and the principles of cost accounting. Profit and loss analysis, comparative statements, ratios, adjustments, and various cost accounting systems. Attention to income, income tax and official security tax laws, returns, and accounting procedures.

1929 Filing, ½ unit

Methods and systems of filing used in business offices, filing equipment, and time-and-motion saving skills. Filing practice sets are used.

1931 Supervisory Training for Business, ½ unit

Principles and procedures of supervision for a business office; supervision, establishment of good relationships, evaluation of job performance, employee training and job advancement.

1932 Principles of Business Organization, ½ unit

This course is designed for new and/or prospective managers and/or owners of small businesses. Units covering location determination, financing a new business, legal risks, personnel management, market research, and taxation.

1933 Business Management, ½ unit

Administrative management personnel problems in the organization and operation of a business; location, sales promotion, long and short-term financing, record keeping, managerial aids, and efficient use of personnel and merchandise.

1934 Merchandising, ½ unit

This course deals principally with training for personnel specializing in merchandising and buying. The functions of the merchandising department, inventory control system, stock turnover, the buying functions, and sales promotion.

1935 Applied Marketing Economics, ½ unit

Economic principles applied to specific marketing problems encountered by managers of distributive businesses. Short course dealing with the national income and its distribution; demand, supply and prices; competition, spending and taxes; international trade and commercial policy; debt management; and money and banking.

1939 Hotel-Motel Management, ½ unit

Hotel and/or motel operation including supervision of employees, room sales, dining room service, bellman duties, and training techniques; promoting the sales of services offered and accounting procedures.

1941 Food Service Management, ½ unit

Managerial or supervisory problems of the food service industry; food purchasing, food cost accounting, food control, food checking, and food sales and services.

1949 Principles of Retailing, ½ unit

Organization and operation of a retail merchandising business; sales, service, sales promotion and advertising, credit and accounting, and administration departments. Also channels of distribution, store financing, personnel problems, and operating statements are studied.

1951 Techniques of Selling, ½ unit

Selling sequences for making a sale. Includes retailing, direct and wholesaling areas, and an analysis of the buyer-focused theory of selling.

- 1953 Applied Sales Psychology, ½ unit
Short course of psychological principles applied to selling problems which include buyer motivation, the factors of attention and interest in the sales process, and the attributes of a successful salesperson.
- 1957 Distributive Education Training Orientation, ½ unit
A study of the kinds of organizations performing distributive functions, marketing, retailing, wholesaling, and the total concepts in distribution of goods and services as they apply to a specific job, to the business, and to that particular business operation as it functions in the business community and the general economy.
- 1960 Basic Investments, 15 class hours
A course designed to acquaint the student with stocks, bonds, the stock market, and other investment procedures.
- 1970 Hotel-Motel Front Office Procedures
Duties and responsibilities of front office personnel, i.e., registering and rooming guests, reservations, recording charges and credits, billing guests, checking out guests, preparing transcripts of guests' accounts receivable, and balancing transcripts.
- 1972 Hotel-Motel Cashiering
Procedure and mathematics required to prepare guest accounts accurately. Posting of charges and credits to individual guest accounts, handling of checks and making change, posting of charges and credits to accounts of non-registered guests, handling of transcripts, check-ins and check-outs.
- 1974 Hotel-Motel Auditing and Posting Machine
Posting charges and credits to guest accounts, correcting errors, balancing cash at end of watch, transferring bills to new accounts, taking trial balance, and proving all transactions made during the watch.
- 1976 Hotel-Motel PBX Operation
Manipulative skills involved in handling keys, cards, supervisory signals, dials, extensions, incoming and outgoing local and long distance calls, voice techniques, and courtesy. Proper phrasing, paging, and filing names of guests.
- 1980 Hotel Housekeeping
Training in the cleaning, orderliness, and decorating of a commercial housing establishment, including the purchasing of supplies and equipment for the housekeeping department.
- 1981 Real Estate Principles and Practices, 36 class hours
Required for those wishing to be permitted to sit for the examination to earn a real estate salesman's license in the State of Florida.
- 1983 Organization and Management, ½ unit
Fundamentals of organization which include planning, lines of responsibility and authority, environmental factors influencing organization, and the measures of successful organization and management.
- 1985 Accounting and Reporting (Record Keeping), ½ unit
Recording and reporting quantity food service business. Includes sound record keeping and reporting system, daily practice in maintaining adequate records and reporting information clearly and accurately for food service managers and accountants.
- 1988 Supervised Food Service Work
Preparation and serving of food in institutions such as hospitals, homes for the aged, nursing homes, children's homes, and day-care centers. Hygienic prac-

tices in food preparation, cooking, serving, and storing; safety regulations in use of equipment and food handling. Preparation of large quantity recipes, serving food at table or on trays; organizing work in relation to space and time limitations.

1997 Vocational Typewriting II, ½ unit

Skills, techniques, and knowledge in the use of the typewriter for work in a business office in a clerical or stenographic position.

EDUCATION AND PHYSICAL EDUCATION

2100 Introduction to Education, 3 semester hours, 3 lec.

Orientation to the profession of teaching and an overview of education in a democratic society. Opportunities to observe activities in local schools. Visits and lectures by resource personnel.

2120 Self-Defense for Men,* 1 semester hour, 2 lab.

The art of defending one's self when attacked or disarming an opponent. Instruction in the use of various wrestling holds, judo, etc.

2140 First Aid, 2 semester hours, 2 lec.

Preparation to meet emergencies that occur in the school, home, or on the highway. Instruction and practice in dressing and bandaging, care of wounds, shock, bone and joint injuries, artificial respiration, transportation of injured, and medical emergencies. An advanced First Aid Card is issued by the American Red Cross for satisfactory completion.

2146 Personal and Community Health, 3 semester hours, 3 lec.

A study of the systems of the human body for the purpose of making sound decisions regarding personal health and the impact of these decisions on community health and health agencies.

2150 Beginning Bowling,* 1 semester hour, 2 lab.

The development of skills and practice in the basic fundamentals of bowling.

2151 Dance,* 1 semester hour, 2 lab.

Instruction and practice in various folk dances, square dances, and American ballroom dances.

2152 Beginning Golf,* 1 semester hour, 2 lab.

Instruction in the fundamental techniques and the development of personal skills through participation.

2153 Horsemastership I,* 1 semester hour, 2 lab.

Instruction in the fundamental techniques and the development of personal skills through participation.

2154 Beginning Tennis,* 1 semester hour, 2 lab.

The history of tennis, the fundamental techniques and the development of personal skills through participation.

2155 Beginning Swimming,* 1 semester hour, 2 lab.

Designed to equip the individual with basic water skills and knowledge in order to make him safe in, on, or about the water.

2156 Horsemastership II *, 1 semester hour, 2 lab.

Instruction in advanced principles and skills of equitation, dressage, and introduction to jumping techniques. Prerequisite: satisfactory completion of Horsemastership I and/or permission of instructor.

* Activity course fulfills the Physical Education requirement.

- 2157 Soccer,* 1 semester hour, 2 lab.
Instruction in the fundamental techniques and the development of personal skills through participation.
- 2158 Defensive Tactics,* 2 semester hours, 4 lab.
Techniques and special methods of self-defense against individuals both armed and unarmed. Come-alongs and techniques of minimizing resistance to arrest and detention. Demonstration and drill in non-injurious restraint of prisoners and the mentally ill. Prerequisite: Permission of instructor.
- 2159 Elementary Trampoline,* 1 semester hour, 2 lab.
Instruction in the fundamental techniques and the development of personal skills through participation.
- 2160 Self-Defense for Women,* 1 semester hour, 2 lab.
Instruction and practice in the art of defending one's self when attacked. Use of various wrestling holds, judo, etc.
- 2161 Basic Sailing,* 1 semester hour, 2 lab.
This course is designed to develop safety and fundamental skills in the use of sailboats.
- 2162 Basic Seamanship, 2 semester hours, 2 lec.
Introduction to pleasure boating, maneuvering, rope tying, aids to navigation, charts and compass, rules of the road, legal responsibilities, and safe motorboat operation.
- 2163 Basic Rowboating,* 1 semester hour, 2 lab.
This course is designed to develop safety and fundamental skills in the use of rowboats.
- 2164 Basic Canoeing,* 1 semester hour, 2 lab.
This course is designed to develop safety and fundamental skills in the use of canoes.
- 2165 Volleyball and Speedball,* 1 semester hour, 2 lab.
Instruction in the fundamental techniques and the development of personal skills through participation.
- 2170 Fitness Lab for Men,* 1 semester hour, 2 lab.
Instruction and participation in various types of exercise programs available for the attainment of physical fitness.
- 2171 Fitness Lab for Women,* 1 semester hour, 2 lab.
Instruction and participation in various types of exercise programs available for the attainment of physical fitness.
- 2172 Beginning Badminton,* 1 semester hour, 2 lab.
Instruction and practice in the basic skills for full participation and enjoyment of the game of badminton.
- 2173 Recreational Lead-up Games,* 1 semester hour, 2 lab.
Instruction and participation in lead-up to badminton, basketball, bowling, football, golf, field hockey, kickball, baseball, softball, soccer, speedball, and volleyball. This course will be especially helpful for those people who work with children in physical education and/or recreation programs.
- 2174 Introduction to Recreational Sports,* 1 semester hour, 2 lab.
Instruction and practice in the basic techniques of a variety of recreational sports.

* Activity course fulfills the Physical Education requirement.

- 2190 Introduction to Physical Education, 3 semester hours, 3 lec.**
Instruction in the history, principles and basic philosophy of physical education. Emphasis in the basic concepts and foundations of the total physical education program.
- 2191 Firearms,* 1 semester hour, 2 lab.**
Legal provisions and restrictions on the use of firearms and other police equipment. Range firing of weapons emphasizing deliberate, point, and defense shooting. Prerequisite: permission of instructor.
- 2192 Modern Fitness for Men,* 2 semester hours, 4 lab.**
This course includes fitness testing and body conditioning exercises. Student receives instruction and practice in vigorous activities geared primarily toward better physical conditioning.
- 2193 Modern Fitness for Women,* 2 semester hours, 4 lab.**
This course includes fitness testing and body conditioning exercises. Student receives instruction and practice in vigorous activities geared primarily toward better physical conditioning.
- 2194 Intermediate Swimming,* 1 semester hour, 2 lab.**
Designed to provide the individual with instruction and participation in the proper techniques of good swimming. Prerequisite: 2155 or permission of the instructor.
- 2195 Sports Officiating, 1 semester hour, 1 lecture, 1 lab.**
Instruction in rule interpretation and the fundamental techniques required in officiating football, basketball, and other selected sports.
- 2196 Advanced Firearms,* 1 semester hour, 2 lab.**
Instruction and practice in the advanced techniques of selected firearms. Prerequisite: Satisfactory completion of Basic Firearms and/or permission of instructor.
- 2252 Intermediate Golf,* 1 semester hour, 2 lab.**
Designed for those students who wish to improve their knowledge of golf and golf skills beyond the beginner's level. Prerequisite: 2152 or permission of the instructor.
- 2255 Tumbling,* 1 semester hour, 2 lab.**
Instruction in the fundamental techniques and the development of personal skills through participation. (women only)
- 2259 Intermediate Trampoline,* 1 semester hour, 2 lab.**
A continuation of skills learned in Elementary Trampoline with emphasis on the more advanced principles and techniques of the turning and twisting stunts. Prerequisite: Satisfactory completion of Elementary Trampoline and/or permission of instructor.
- 2293 Senior Life Saving,* 1 semester hour, 2 lab.**
Designed to provide the individual with knowledge and skill to save his life or the life of another in the event of an emergency in, on, or about the water. Prerequisite: Permission of the instructor.
- 2294 Modern Dance,* 2 semester hours, 4 lab.**
This course is designed to develop skill and knowledge in the execution of the basic techniques, improvisation, and choreography in the Modern Dance.

* Activity course fulfills the Physical Education requirement.

- 2295 Advanced Sports,* 1 semester hour, labs as required.**
 Instruction, practice, and intercollegiate participation in individual and team sports. The continuous development of physical skills is of major importance in this course. Prerequisite: Permission of the instructor. (May be taken only twice for credit—fall term only.)
- 2296 Camp Counseling, 3 semester hours, 2 lecture, 2 lab.**
 The training of camp counselors in organized camping, including camp crafts, nature, and informal activities.
- 2297 Water Safety,* 1 semester hour, 2 lab.**
 This course is designed to organize, train, condition, and prepare the student in advanced water skills necessary in meeting the American National Red Cross Water Safety Instructor's Certification Requirements. Prerequisite: Students must have (1) Received the senior life saving certificate within the last three years; (2) Passed their 18th birthday prior to final examination of this course; (3) Successfully passed a complete physical examination by a licensed medical doctor within the last year; and (4) Be able to endure long exposure in water (2 hours).
- 2299 Tutorial: Education and Physical Education, 1 semester hour, 2 lab.**
 An experience in individual depth study in which one student prepares for and engages in tutoring another for two class periods per week.
- 2600 Elementary Education**
 Elementary education for adults possessing the skills of reading and writing and planning to continue their study toward the secondary school. Includes reading, handwriting, arithmetic, spelling, social studies, general science, health, and the language arts.
- 2601 Adult Basic Education**
 Elementary Education for Adults with special needs for developing skills in reading, writing, arithmetic, and other academic courses as well as skills related to gainful employment and enrichment for everyday living.
- 2605 High School Review**
 Study in the area(s) of deficiency in order to prepare for the G.E.D. Examination.
- 2609 Safety Education, 90 hours**
 Concepts of safe driving, financial responsibility laws, and court systems. Companion course to 2610, Driver Education, which provides the laboratory experience in driving.
- 2610 Driver Education, 90 class hours**
 Course of instruction to prepare people to learn to drive automobiles safely by thoroughly understanding the road rules, the road signs, the physics involved in driving and to learn basic safety factors in the operation of an automobile in order that they might qualify for the State of Florida driving license test.
- 2621 Accelerated Adult High School—Science**
 Intensive review of science on the secondary school level.
- 2622 Accelerated Adult High School—Mathematics**
 Intensive review of mathematics on the secondary school level.
- 2623 Accelerated Adult High School—Social Studies**
 Intensive review of social studies on the secondary school level. Includes American History, Civics, and Americanism versus Communism.

* Activity course fulfills the physical Education requirement.

2624 Accelerated Adult High School-English
Intensive review of English on the secondary school level.

ART, HUMANITIES, AND MUSIC

3100 Drawing I, 3 semester hours, 1 lec., 4 lab.
Problems in drawing techniques and media.

3101 Drawing II, 3 semester hours, 1 lec., 4 lab.
Problems in drawing and composition. Prerequisite: 3100, or permission of the instructor.

3102 Ceramics I, 3 semester hours, 1 lec., 4 lab.
Hand-building techniques and use of ceramic equipment; creative development of pottery and sculptural forms from clay.

3103 Ceramics II, 3 semester hours, 1 lec., 4 lab.
Intermediate course in ceramics which covers techniques used on potter's wheel. Prerequisite: 3102 or permission of the instructor.

3104 Jewelry Creation & Design, 3 semester hours, 1 lec. 4 lab.
Introduction to the basic technical and aesthetic aspects in the design and creation of jewelry. Students will be taught basic jewelry techniques in metal, wood and stone including: soldering, enameling, filing, shaping and others depending upon the specific needs of the students. Along with this they will be made aware of examples of jewelry design from the past as well as the present. (Offered in Spring Semester only.)

3105 Design I, 3 semester hours, 1 lec., 4 lab.
Principles of visual organization. Deals with line, space, form, and color in two-dimensional composition.

3106 Design II, 3 semester hours, 1 lec., 4 lab.
Extension and development of the elements of design in three-dimensional projects.

3109 Sculpture I, 3 semester hours, 1 lec., 4 lab.
An introductory course in the technical and aesthetic considerations of creating sculptural forms. Includes a wide range of possible materials and expressions, those used in the past and those being used currently, in both the reductive and additive methods. The student will be expected to solve problems in several different media that best express his particular sensibilities.

3110 Introductory Printmaking, 3 semester hours, 1 lec. 4 lab.
Introduction to the technical and aesthetic considerations of creating graphic art forms. An effort will be made to create an awareness of the range of materials and expressions possible in graphic art. The student will explore the creative possibilities of several graphic media.

3112-3113 Woodwind Techniques I-II (1—1), 2 lec.
Designed to acquaint the potential band director with all the instruments in the woodwind section including clarinet, flute, oboe, bassoon, and saxophone.

3118-3119 Music Theory I-II, (4—4), 5 lec.
Major and minor scales, intervals, triads, seventh chords, chord inversions, cadences, periods, and chord progressions in all keys. Emphasis on two-, three-, and four-part writing in the Eighteenth Century style. Also a practical study of harmonic, melodic, and intervalic dictation combined with singing prepared music and performing music at sight.

- 3131 Music Organizations, 1 semester hour
1. Stage Band; 2. OWJC Chorus; 3. OWJC Band; 4. OWJC Chamber Chorus; 5. OWJC Community Chorus; 7. OWJC Community Band; 7. OWJC Community Stage Band. Each organization may be repeated three times for credit.
- 3150 Fundamentals of Music, 3 semester hours, 3 lec.
A pre-theory course for the non-music major, or for the aspiring Elementary Education major. Included are the studies of reading clefs, rhythm, notation, scales, and doing simple keyboard and sight-singing exercises. The emphasis is on developing music reading skills.
- 3153 Class Instrument Instruction, 1 semester hour, 2 lec.
The study of basic techniques for the beginning student. May be repeated for credit one time. 1. Piano; 2. Voice.
- 3171 Applied Music Instruction, Principal Instrument, 2 sem. hr. Two ½-hour private lessons per week. May be repeated one time for credit. 1. Woodwinds; 2. Brasses; 3. Percussion; 4. Piano; 5. Voice.
- 3172 Applied Music Instruction, Secondary Instrument, 1 sem. hr. One ½-hour private lessons per week. May be repeated one time for credit. 1. Woodwinds; 2. Brasses; 3. Percussion; 4. Piano; 5. Voice.
- X 3175 Humanities I **, 3 semester hours, 3 lec.
Access to techniques, forms, and basic evaluative tools related to music, the visual arts, poetry, drama, the dance, film, and philosophy. Art works themselves are utilized as much as possible with examples concentrating on the Nineteenth and Twentieth Centuries.
- 3178 Humanities Art, 3 semester hours, 3 lec.
Basic concepts of art, including formal analysis and the sociology and psychology of style. Not intended for art majors.
- 3179 Humanities II, 3 semester hours, 3 lec.
Some prevailing ideas about the nature of man and his relationship to his universe, especially as revealed in the arts, literature, and philosophy.
- 3180 Music for General Education, 3 semester hours, 3 lec.
Designed to develop a more intelligent understanding and appreciation of music specifically. Bringing about an awareness of music as a vital source in human life, including the advantageous utilization of leisure time and developing positive attitudes toward culture and the Fine Arts.
- 3200 Music Appreciation, 2 semester hours, 2 lec.
Study of the basic elements of music necessary for intelligent listening and appreciation. Survey of the history of music in its social and cultural context. Not open to music majors.
- 3201 Painting I, 3 semester hours, 1 lec., 4 lab.
Problems of constructing a composition in color. The academic method of painting and student experimentation. Prerequisite: 3101 or permission of the instructor.
- 3202 Painting II, 3 semester hours, 1 lec., 4 lab.
Technique is stressed as an end result of approach to subject matter. Develop-

** 3175 is the required Humanities course for all A.A. and A.S. candidates. A.A. candidates may complete their Humanities requirement (6 semester hours) by successfully completing either 3178, 3179, 3180, 3279, 3280, 4109, 4228, or 4276. Pre-Law and Pre-Ministry students should take 3175 and 3179 plus the required courses in Philosophy and/or Comparative Religion.

ment of abstraction through the use of theory. Prerequisite: 3201 or permission of the instructor.

3218-3219 Music Theory III-IV, (4—4), 5 lec.

The harmonization and modulation of melodies through the use of non-dominant harmony, and the study of sequence writing. Also sight reading chromatic melodies, large intervals, and advanced rhythms on the major instrument or voice. Prerequisite: 3118 and 3119.

3227-3228 Brass Techniques, I-II, (1—1), 2 lab.

Designed to acquaint the potential band director with all the instruments in the brass section, including trumpet, French horn, trombone, baritone, and tuba.

3250 Keyboard Harmony, 2 semester hours, 2 lec.

The creation of bass lines for given melodies; harmonization of melodies; knowledge of figured bass; and improvised accompaniments for given melodies. Prerequisite: 3220, 3222, or permission of the instructor.

3252 Music Literature I, 2 semester hours, 2 lec.

Major periods of music history from the Renaissance through the classical period with emphasis on style and form. Prerequisite: 3177 or permission of the instructor.

3253 Music Literature II, 2 semester hours, 2 lec.

Continuation of 3252, from the romantic period to the present day. Prerequisite: 3252 or permission of the instructor.

3254 Art History Survey I, 3 semester hours, 3 lec.

A survey of significant contributions in art and architecture from pre-historic cave paintings through the Renaissance.

3255 Art History Survey II, 3 semester hours, 3 lec.

A survey of significant contributions in art and architecture from the Renaissance to recent Twentieth Century works.

3271 Applied Music Instruction, Principal Instrument, 2 semester hours. Two ½-hour private lessons per week. May be repeated one time for credit. Prerequisite: Two semesters of 3171. 1. Woodwinds; 2. Brasses; 3. Percussion; 4. Piano; 5. Voice.

3272 Applied Music Instruction, Secondary Instrument, 1 semester hour. One ½-hour private lesson per week. May be repeated one time for credit. Prerequisite: two semesters of 3172. 1. Woodwinds; 2. Brasses; 3. Percussion; 4. Piano; 5. Voice

3279 Philosophy, 3 semester hours, 3 lec.

Central concepts of philosophy are developed, including a description of the main philosophical problems involved through ancient, medieval, and contemporary thought.

3280 Comparative Religion, 3 semester hours, 3 lec.

Principal religions of the world are compared and contrasted. Christianity is examined in its historical and contemporary forms.

3298 Independent Study—Arts and Humanities, 1 semester hour

3299 Tutorial—Arts and Humanities, 1 semester hour, 2 lab.

An experience in individual depth study in which one student prepares for and engages in tutoring another for two class periods per week.

3600 Music Appreciation

Study of the basic elements of music necessary for intelligent listening and appreciation. Survey of the history of music in its social and cultural context.

3601 OWJC Civic Chorus

- 3602 Okaloosa-Walton Community Concert Band
- 3604 Art—Painting, ½ unit
A course designed to provide instruction and experience in oils, water colors, and other art forms.
- 3605 Ceramics, ½ unit
Instruction and experiences in handbuilding techniques, use of ceramic equipment, creative development of pottery and sculptural forms from clay.
- 3606 China Painting, ½ unit
Instruction and experiences in various forms of china painting
- 3607 Oil Painting, ½ unit
Instruction and experiences in oil painting
- 3608 Design and Creation of Jewelry I, 75 class hours
Introduction to the basic technical and aesthetic aspects in the design and creation of jewelry. Students will be taught basic jewelry techniques in metal, wood, and stone, including soldering, enameling, filing, shaping, and others, depending upon the specific needs of the students. Students will also be made aware of examples of jewelry designs from the past, as well as the present.
- 3800 Printmaking, 75 class hours
Introduction to the technical and aesthetic considerations of creating graphic art forms. An effort will be made to create an awareness of the range of materials and expressions possible in graphic art. The student will explore the creative possibilities of several graphic media.
- 3901 Art for the Senior Citizen
A course designed to provide instruction and experiences in oils, water colors, and other forms of art for senior citizens.
- 3902 Ceramics
Instruction and experiences in handbuilding techniques, use of ceramic equipment, creative development of pottery and sculptural forms from clay.
- 3903 China Painting
Instruction and experiences in various forms of China painting.
- 3904 Oil Painting
Instruction and experiences in oil painting.

COMMUNICATIONS

- * 4100 Communication Skills I, 4 semester hours, 4 lec.
Interpretative and critical reading of essays and biographies. Instruction and intense practice in writing the exposition and the argument, with stress on logical thinking.
- 4101 Communication Skills II, 4 semester hours, 4 lec.
Interpretative and critical reading of fiction (novel, novella, short-story), drama, poetry. Practice in the writing of descriptive and narrative discourse. Special practice in writing the library research term paper. Prerequisite: 4100 or 4102.
- 4102 English Communications I, 3 semester hours, 3 lec.
Interpretative and critical reading of essays and biographies. Instruction and intense practice in writing the exposition and the argument, *with stress on* logical thinking.
- 4103 English Communications II, 3 semester hours, 3 lec.
Interpretative and critical reading of fiction (novel, novella, short-story), drama, poetry. Practice in the writing of descriptive and narrative discourse. Special practice in writing the library research term paper. Prerequisite: 4100 or 4102.

- 4104 Reading Improvement, 1 semester hour, 3 lab.**
A highly individualized laboratory approach combined with some group work designed to improve reading comprehension, vocabulary, rate of comprehension, listening and study skills. Recommended for all students who do not achieve 27 percentile on the DRT Survey Test; encouraged for all other interested students.
- 4105 Speech, 3 semester hours, 3 lec.**
Preparation and presentation of speeches for business, social, and professional occasions. Participation in speech media with continuing group analysis and constructive criticism.
- 4108 Oral Interpretation, 3 semester hours, 3 lec.**
Oral communication or re-creation of poetry, prose, and drama for an audience.
- 4109 Approach to Literature, 3 semester hours, 3 lec.**
Designed to encourage the student to know and appreciate something of the great literature which helps to mould his thinking and his everyday living. To include, without regard to national origin, those masterpieces of the Western World which reflect his cultural and intellectual heritage.
- 4110 English I, 3 semester hours, 3 lec.**
Grammar study and drill, punctuation, correct usage, spelling, sentence structure, elimination of errors in sentence structure, business and social correspondence, library and research paper methods, and writing for comprehension. (For Associate of Science students.)
- 4111 English II, 3 semester hours, 3 lec.**
Vocabulary building, dictionary study, basic sentence faults, practice in developing sentence style, precise writing, paragraph development and technique, a study of logic, and written exercise stressing effective communications. Prerequisite: 4110. (For Associate of Science students.)
- 4112 Technical Report Writing, 3 semester hours, 2 lec., 2 lab.**
The fundamentals of report writing mechanics and style with practice in preparing reports of the various types most likely to be used by engineering technicians. Prerequisite: 4110 or 4111. (For Associate of Science students.)
- 4113 Journalism I, 3 semester hours, 3 lec.**
Theory of journalism and practice in journalistic writing. This course is required of all students working on college publications.
- 4114 Journalism II, 3 semester hours, 3 lec.**
Various media of mass communications and experiences in the gathering and writing of news stories and features. Prerequisite: 4113. This course is required of all students working on the College newspaper.
- 4116 Honors English Composition I, 3 semester hours, 3 lec.**
Content and activities consistent with the goals of 4100 but structured to the abilities of qualified students. Students are selected by the Chairman of the Department or the instructor of the class.

4117 Honors English Composition II, 3 semester hours, 3 lec.

Content and activities consistent with the goals of 4101 but structured to the abilities of qualified students. Students are selected by the Chairman of the Department or the instructor of the class.

4140-4141 French I-II * (3—3), 3 lec.

Pronunciation and grammatical structures of French with emphasis upon balanced development of the four skills—listening, speaking, reading, and writing. Exercises in composition and grammar. Not open to students who have completed successfully two or three years of high school French with grade of “C” or better.

4150—4151 German I, II * (3—3), 3 lec.

Pronunciation and grammatical structures of German with emphasis upon balanced development of the four skills—listening, speaking, reading, and writing. Exercises in composition and grammar. Not open to students who have completed successfully two or three years of high school German with grade of “C” or better.

4160—4161 Spanish I, II * (3—3), 3 lec.

Pronunciation and grammatical structures of Spanish with emphasis upon balanced development of the four skills—listening, speaking, reading, and writing. Exercises in composition and grammar. Not open to students who have completed successfully two or three years of high school Spanish with Grade of “C” or better.

4165 Conversational Spanish, 3 semester hours, 3 lec.

Training in pronunciation, aural comprehension, and oral expression. Will not meet foreign language requirements. Prerequisite: 4160 or 4161.

4170—4171 Russian I-II * (3—3), 3 lec.

Pronunciation and grammatical structures of Russian with emphasis upon balanced development of the four skills—listening, speaking, reading, and writing. Exercises in composition and grammar. Not open to students who have successfully completed two or three years of high school Russian with a cumulative grade of “C” or better.

4220 American Literature I, 3 semester hours, 3 lec.

American letters from the colonial period to the Civil War. (For transfer credit the student should complete both 4220 and 4221.)

4221 American Literature II, 3 semester hours, 3 lec.

American letters from the Civil War through the contemporary period.

4226 English Literature I, 3 semester hours, 3 lec.

English literature based upon masterpieces from the times of Beowulf through the Eighteenth Century. (For transfer credit the student should complete both 4226 and 4227.)

4227 English Literature II, 3 semester hours, 3 lec.

English literature based upon masterpieces from the Romantic Era through modern times.

* Every student presenting two or more years of foreign language study in high school (or its equivalent) will be required to take the Modern Language Association's Co-Operative Foreign Language Tests to determine the appropriate level of course work which he will be permitted to take for credit. One semester of college language work is normally regarded as the equivalent of a year of high school work in foreign language. No student will be allowed to enroll for two beginning foreign language courses in any one semester.

- 4228 Contemporary Literature, 3 semester hours, 3 lec.
Studies in contemporary prose and poetry.
- 4240—4241 French III-IV (3—3), 3 lec.
Readings in the literature and cultural history of France, a brief review of grammar and practice in audio-lingual skill. Prerequisite: two or three years of high school French with grade of "C" or better; 4140—4141, or its equivalent.
- 4245—4246 Introduction to French Literature I-II (3—3), 3 lec.
The development of French literature from the beginning to present. Prerequisite: 4241 or four years of high school French.
- 4247—4248 Advanced French Grammar and Composition I-II (3—3), 3 lec.
Study of advanced grammatical structures and practice in composition. Prerequisite: 4241 or four years of high school French.
- 4250 Creative Writing, 3 semester hours, 3 lec.
Creativity in prose, poetry, and drama. All student creations are submitted to publisher's market.
- 4251—4252 German III-IV (3—3), 3 lec.
Readings in the literature and cultural history of Germany, a brief review of grammar and practice in audio-lingual skill. Prerequisite: Two or three years of high school German with grade of "C" or better, 4150—4151, or its equivalent.
- 4255—4256 Introduction to German Literature I-II (3—3), 3 lec.
The development of German literature from the Middle Ages to the present. Prerequisite: 4252 or four years of high school German.
- 4257—4258 Advanced German Grammar and Composition I-II (3—3), 3 lec.
Study of advanced grammatical structures and practice in composition. Prerequisite: 4252 or four years of high school German.
- 4260—4261 Spanish III-IV (3—3), 3 lec.
Readings in the literature and cultural history of representative Spanish speaking countries, a brief review of grammar, and practice in audio-lingual skill. Prerequisite: Two or three years of high school Spanish completed with grade of "C" or better; 4160—4161 or its equivalent.
- 4265—4266 Introduction to Spanish Literature I-II (3—3), 3 lec.
The development of Spanish literature from the Middle Ages to the present. Prerequisite: 4261 or four years of high school Spanish.
- 4267—4268 Advanced Spanish Grammar and Composition I-II (3—3), 3 lec.
Study of advanced grammatical structures and practice in composition. Prerequisite 4261 or four years of high school Spanish.
- 4273 Discussion and Debate, 3 semester hours, 3 lec.
Reflective thinking and logical reasoning with emphasis on discussion and competitive debate. Prerequisite: An introductory course in speech or permission of the instructor.
- 4274 Public Address, 3 semester hours, 3 lec.
Public addresses as aids in speaking extemporaneously and from manuscript. The relationship between public speaking and policy formulation. Prerequisite: 4105 or permission of the instructor. (offered on demand)
- 4276 Theatre, 3 semester hours, 3 lec.
Appreciation of the theatre through a study of the various aspects of dramatic production. Prerequisite: An introductory course in speech or permission of the instructor.

- 4277 Acting, 3 semester hours, 2 lec., 2 lab.
Through in-class performances the student will develop an understanding of and proficiency in those skills of movement, voice, and expression which are required of a theatrical performer.
- 4295 Independent Study: German, 1 semester hour.
- 4296 Independent Study: Library, 1 semester hour.
- 4297 Independent Study: Journalism, 1 semester hour.
- 4298 Independent Study: Literature, 1 semester hour.
- 4299 Tutorial—Communications, 1 semester, 2 lab.
An experience in individual depth study in which one student prepares for and engages in tutoring another for two class periods per week.
- 4602 English for Foreign Born, 90 class hours
English for non-English speaking adults. Emphasis is placed on speaking, reading, and writing English based on living experiences and needs.
- 4603 English XI, ½ unit
When offered for high school credit the content is comparable to that of the corresponding high school English course. Prerequisite: Permission of the instructor.
- 4604 Foreign Language—Spanish, ½ unit
For high school credit, comparable in content to those offered in the regular secondary school. For conversational purposes, emphasis is placed on speaking and oral comprehension.
- 4605 English XII, ½ unit
When offered for high school credit the content is comparable to that of the corresponding high school English course. Prerequisite: 4603 or permission of the instructor.
- 4606 Effective Speaking, ½ unit
Fundamentals of effective speaking, practice in organization of materials and delivery, development of voice, vocabulary, diction and poise, and elements of parliamentary procedure.
- 4607 Effective Writing, 10 class hours
An intensive study of effective writing with emphasis on writing mechanics and practical application.
- 4608 Speed Reading for Executives
An intensified program with emphasis on speed of comprehension. The use of films and mechanical aids is combined with drill activities utilizing the printed page in various types of reading material.
- 4609 Military Correspondence, 20 class hours
Intensive study of correspondence within the military with emphasis on mechanics and practical application.
- 4610 Reading, ½ unit
Reading courses are offered on different levels to satisfy adult reading needs. Emphasize basic reading skills and comprehension and the increase of reading speed.
- 4612 Foreign Language—French, ½ unit
For high school credit, comparable in content to those offered in the regular secondary school. For conversational purposes, emphasis is placed on speaking and oral comprehension.

- 4613 Contemporary American Literature, ½ unit
Studies in contemporary American prose and poetry.
- 4614 Vocabulary Building for Adults, ½ unit
Designed to help the adult improve his command of the English language. Basic words and word roots on which our language is built. Designed to give the adult a broader and richer speaking and writing vocabulary and a better understanding of the practical words heard daily.
- 4626 High School English, ½ unit
Intensive review of English on the secondary school level.
- 4800 Applied English I, ½ unit
Grammar study and drill, punctuation, correct usage, spelling, sentence structure, elimination of errors in sentence structure, business and social correspondence, library and research paper methods, and writing for comprehension.
- 4801 Applied English II, ½ unit
Vocabulary building, dictionary study, basic sentence faults, practice in developing sentence style, precise writing, paragraph development and technique, a study of logic, and written exercise stressing effective communications.
- 4803 Modern Novels, ½ unit
Designed for people interested in the reading and discussion of modern novels. Presented in a manner similar to the Great Books Discussion Group. Selections to be read may vary according to student interest; however, certain selections will be required.
- 4815 Technical Writing, ½ unit
The fundamentals of report writing mechanics and style with practice in preparing reports of the various types most likely to be used by engineering technicians.

MATHEMATICS

- 5100 Basic Algebra, 3 semester hours, 3 lec.
Designed specifically for the student needing further preparation prior to enrollment in 5104. *5100 is a Compensatory Education course and is not allowable to meet degree requirements.*
- 5101 Mathematics for General Education, 3 semester hours, 3 lec.
Designed for students whose program requires no additional mathematics. Course meets general education requirements.
- 5104 Intermediate Algebra, 3 semester hours, 3 lec.
Designed specifically for the pre-engineering, pre-science and pre-mathematics student who needs further work before entering a modern pre-calculus mathematics sequence. **DOES NOT MEET GENERAL EDUCATION REQUIREMENTS.**
- 5105 Structure of Arithmetic for Elementary Teachers, 3 semester hours, 3 lec.
Designed for elementary education majors in preparation for teaching modern elementary mathematics. Prerequisite: 5101 or any higher level course in the mathematics sequence.
- 5120 College Algebra, 4 semester hours, 4 lec.
The normal first mathematics course for mathematics, science and engineering majors. Prerequisite: Departmental permission.
- 5121 College Algebra, Analytical Trigonometry and Analytic Geometry, 4 semester hours, 4 lec.
Prerequisite: 5120, or departmental permission.

- 5160 Mathematics I, 3 semester hours, 3 lec.
Review of basic algebra and geometry. Emphasis on technical applications. (For Associate of Science students.)
- 5161 Mathematics II, 3 semester hours, 3 lec.
Continuation of Mathematics I. Functional algebra and trigonometry. Emphasis on technical applications. Prerequisite: 5160 or Departmental permission. (For Associate of Science students.)
- 5210 Informal Geometry for Elementary Teachers, 3 semester hours, 3 lec.
Designed for elementary education majors in preparation for teaching of modern elementary mathematics. Prerequisite: Departmental permission.
- 5220 Calculus I, 4 semester hours, 4 lec.
Prerequisite: 5121 or departmental permission.
- 5221 Calculus II, 4 semester hours, 4 lec.
Prerequisite: 5220 with a grade of "C" or better or departmental permission.
- 5222 Calculus III, 4 semester hours, 4 lec.
Prerequisite: 5221 with a grade of "C" or better.
- 5224 Differential Equations, 3 semester hours, 3 lec.
Prerequisite: 5222 with a grade of "C" or better.
- 5237 Linear Algebra, 3 semester hours, 3 lec.
Designed for mathematics and engineering majors. Prerequisite: 5220 or departmental permission.
- 5260 Mathematics III, 3 semester hours, 3 lec.
Continuation of Mathematics II. Emphasis on technical applications. Prerequisite: 5161 or Departmental permission. (For Associate of Science students)
- 5261 Mathematics IV, 4 semester hours, 4 lec.
Continuation of Mathematics III. Analytic geometry and calculus. Emphasis on technical applications. Prerequisite: 5260 or Departmental permission. (For Associate of Science students)
- 5299 Tutorial—Mathematics, 1 semester hour
An experience in individual depth study in which one student prepares for and engages in tutoring another for two class periods per week. Prerequisite: Departmental permission.
- 5600 High School Algebra I, $\frac{1}{2}$ unit
Algebra including formulas, positive and negative numbers, graphs, simple equations, linear equations, factoring, fractional equations, basic work on powers and roots of numbers, and simple quadratic equations.
- 5602 High School Algebra II, $\frac{1}{2}$ unit
Algebra including products and factors, proportions and variations, exponents, roots and radicals, solution of equations, logarithms, ratios, progression and variation, and numerical trigonometry.
- 5610 General Mathematics, $\frac{1}{2}$ unit
Fundamental principles of arithmetic and beginning algebra, with emphasis upon fractions, decimals, formulas, graphs, equations, maps, charts, measurements, and consumer buying problems.
- 5612 Modern Mathematics, $\frac{1}{2}$ unit
For parent's orientation and understanding of the basic concepts and terminology of the new mathematics program being taught in the elementary and junior high schools in Florida.

- 5613 Mathematics Applied I, ½ unit
Review of basic algebra and geometry. Emphasis on technical applications.
- 5614 Mathematics Applied II, ½ unit
Continuation of Mathematics Applied I. Functional algebra and trigonometry. Emphasis on technical applications. Prerequisite: 5613 or Departmental permission.
- 5615 Mathematics Applied III, ½ unit
Continuation of Mathematics Applied II. Emphasis on technical applications. Prerequisite: 5614 or Departmental permission.
- 5616 Mathematics Applied IV, ½ unit
Continuation of Mathematics Applied III. Analytic geometry and calculus. Emphasis on technical applications. Prerequisite: 5615 or Departmental permission.
- 5813 Applied Mathematics I, 45 class hours
Review of basic algebra and geometry. Emphasis on technical applications.
- 5814 Applied Mathematics II, 45 class hours
Continuation of Applied Mathematics I. Functional algebra and trigonometry. Emphasis on technical applications. Prerequisite: 5813 or Departmental permission.
- 5815 Applied Mathematics III, 45 class hours.
Continuation of Applied Mathematics II. Emphasis on technical applications.
- 5816 Applied Mathematics IV, 60 class hours.
Continuation of Applied Mathematics III. Analytic geometry and calculus. Emphasis on technical applications. Prerequisite: 5815 or Departmental permission.

SOCIAL SCIENCES

- 6100 American Civilization, 3 semester hours, 3 lec.
Unified, historical approach to American studies. Involves the emerging pattern of American character and heritage in history, literature, and the humanities. Includes a study of the U.S. Constitution.
- 6101-02 American Government I-II, (3—3), 3 lec.
Examines government, political ideals, and institutions. Strong emphasis is placed on political thought, the origin of the American federal system, and the distribution of powers between state and national governments. National government is the primary area of concentration. Includes a study of the U.S. Constitution.
- 6105 Observing and Recording Child Behavior, 3 semester hours, 3 lec.
Designed to increase objectivity and proficiency in observing and interpreting children's behavior; in addition, to increase awareness of normative patterns of children from birth through five years of age.
- 6126 Personal Adjustment, 3 semester hours, 3 lec.
Psychology in everyday life. Practical application of psychological theory for problem solving and better mental health. An examination of psychological defense mechanisms and how they may be changed into more adaptive behavior.
- 6133 World Civilization I, 3 semester hours, 3 lec.
Historical material from pre-history to the present. Includes medieval history, the Renaissance, the Reformation, and the expansion of Europe. Non-Western

- history is studied but primarily as a means of enhancing the students' understanding of the West.
- 6134 World Civilization II, 3 semester hours, 3 lec.**
Absolutism; the French Revolution; the Industrial Revolution, nationalism in Italy, Germany, and the Balkans; the First World War; post-war Europe; the Second World War; and contemporary history. Includes a study of the Constitution.
- 6139 Introduction to Political Science, 3 semester hours, 3 lec.**
An introduction to the study of politics offering a set of basic concepts, each of which is defined in terms of some operation that can be repeated and tested. Some of the classic theories of politics are presented in the context of basic concepts and are used in an examination of comparative data and a comparison of different people and political systems.
- 6140 Introduction to Law Enforcement, 3 semester hours, 3 lec.**
An introduction to the philosophical and historical background of law enforcement and the administration of criminal justice. Organization and jurisdiction of local, state, and federal law enforcement agencies. Court and criminal procedures. Career opportunities.
- 6141 Administration of Criminal Justice, 3 semester hours, 3 lec.**
Fundamentals of constitutional, criminal and civil law. Principles, duties, and mechanics of criminal procedures in Florida as applied to arrest, search, seizure, and court processing. A functional analysis of the rules of evidence in court procedures.
- 6142 Police Organization and Administration, 3 semester hours, 3 lec.**
Principles of organization and administration in law enforcement; fundamentals of police planning; budget analysis; recruitment, training, and assignment; disciplinary problems and methods of control; cooperation with other agencies; public relations; records and inspection.
- 6143 Crime and Delinquency, 3 semester hours, 3 lec.**
A study of the nature and causes of crime and delinquency; the development of delinquent and criminal behavior; specific police problems dealing with addicts, compulsive and habitual offenders; juvenile procedures, detention, and case disposition; custody and treatment of juvenile offenders.
- 6145 Criminal Law, 3 semester hours, 3 lec.**
The nature, source, and types of criminal law. Classification and analysis of Florida criminal statutes and an examination of selected specific criminal offenses.
- 6160 Child Growth and Development I, 3 semester hours, 3 lec.**
Growth and development of the child from conception through age five, including the physical, social, emotional and mental development of the young child, influence of environment, principles and theories of development.
- 6161 Child Growth and Development II, 3 semester hours, 3 lec.**
Study of the physical, emotional, social, and intellectual growth and development of the school age child (6 through 12 years) up to pre-adolescence. Includes dynamics of behavior, child guidance and needs of exceptional children.
- 6200 American History I, 3 semester hours, 3 lec.**
American history to 1865; describes the social, political, and economic development of the American people against the geographical background of the New World. Particular emphasis on American intellectual and political thought leading to the emergence of basic American character, ideas, and attitudes. Includes a study of the United States Constitution.

- 6201 American History II, 3 semester hours, 3 lec.
American history from 1865, concentrating on industrial growth, the rise of corporate business, big labor, and government organization. Modification of basic American character and ideas is a continued historical process.
- 6202 Twentieth Century, 3 semester hours, 3 lec.
History of the world since 1900, emphasizing the political, military, social, and economic developments in Europe and Asia that have formed the background of this century. The concentration involves the emergence of new global relations between the United States and the rest of the world.
- 6203 The Family and Society, 3 semester hours, 3 lec.
An examination of the problems which arise out of participation in family and community situations. Designed to provide students with a basic understanding of the dynamics of family interaction, the effects upon the children, and the family's relationship to and participation in the community.
- 6210 Human Growth and Development, 3 semester hours, 3 lec.
A research-oriented course in human development, covering the life span of the human being from conception to death. Special emphasis placed upon the interrelationships of the stages of development of the normal person. Prerequisites: 6276 and 8149 or 8150 or permission of instructor.
- 6240 Penology and Corrections, 3 semester hours, 3 lec.
Theories of punishment and incarceration; organization and management of jails and prisons; problems of discipline, security and custody. Principles of probation and parole; role of parole and probation officers, legal implications; problems of rehabilitation.
- 6241 Criminal Investigation I, 3 semester hours, 3 lec.
Fundamentals of investigation; duties and responsibilities of the detective; interrogation techniques; search and techniques of protecting the crime scene; collection and preservation of evidence; modus operandi systems; scientific aids and other sources of information; court preparation and case follow-up. Prerequisite: Permission of instructor.
- 6243 Police Operations, 3 semester hours, 3 lec.
Responsibilities, powers, and duties of the uniformed patrolman; patrol techniques and procedures; field interrogation and notetaking; mechanics of arrest and search; handling of the mentally ill; transportation of prisoners; crime scene procedures; elements of property protection; fundamentals of community relations; mob and riot control.
- 6245 Individual Study, Police Problems I, 1 semester hour, 1 lec.
Each student submits thesis-type research monograph on some significant phase of law enforcement; student assisted in selection of topic by faculty, who will supervise techniques and methods of research and the writing of the monograph, which should make a positive contribution to the field of law enforcement or police science. Prerequisite: Permission of instructor.
- 6246 Individual Study, Police Problems II, 2 semester hours, 2 lec.
- 6247 Individual Study, Law Enforcement, 2 semester hours, 2 lec.
Individual study directed at problems in Law Enforcement. Students select topic approved by faculty and submit thesis which should make a positive contribution to the field of law enforcement. Prerequisite: Permission of instructor.
- 6248 Criminal Investigation II, 3 semester hours, 3 lec.
A continuation of Criminal Investigation I with an emphasis on the scientific aspects of investigation and crime scene technology; firearms examination, bal-

listics comparison, dactyloscopy, fiber examination, latent fingerprint development, document analysis, and identification methods. Prerequisite: 6241 or permission of instructor.

6256 Current World Problems, 3 semester hours, 3 lec.

Critical world issues and immediate trouble spots against an historic, economic, and social background. The individual student is called upon to develop a special area of interest. Prerequisite: Permission of instructor.

6257 Constitutional Government, 1 semester hour, 1 lec.

Concepts developing from early constitutions, such as the Magna Carta and the English Bill of Rights of 1688, in terms of their relationship with the U.S. Constitution. Federalism and the American system of government compared with other systems. Principles and characteristics of the U.S. Constitution in detail. Meets State requirements for constitutional study.

6260 Programs for Young Children, 3 semester hours, 3 lec.

Study of principles and practices of programs for young children, current research in early childhood education, role of the teacher, and selection and use of equipment and materials for groups of young children.

6261 Child Nutrition and Health, 3 semester hours, 2 lec., 3 lab.

Methods of meeting physical needs of young children through nutrition and good health practices. Recognition of childhood diseases and care of the hand-icapped child.

6262 Curriculum for Young Children I, 3 semester hours, 1 lec., 6 lab.

Study of the techniques of using language arts, science, art, social studies, music, mathematics, and physical activities with young children. Participation in Child Development Education Center.

6263 Curriculum for Young Children II, 4 semester hours, 1 lecture, 9 lab.

Study of and development of effective skills and techniques used in program planning and use of creative media for young children.

6264 Curriculum for Young Children III, 4 semester hours, 1 lec., 9 lab.

Study of the principles, methods, and materials used to assist young children acquire basic skills to use language effectively and competently; evaluation and development of appropriate teaching materials to use with young children.

6265 Curriculum for Young Children IV, 4 semester hours, 1 lec., 9 lab.

Study of the basic concepts, methods, and materials of mathematics, science, and social studies appropriate to the education of young children; identification of the role of staff members in the center for the education of young children; an overview of parent education.

6266 Child Development Seminar, 3 semester hours, 3 lec.

Weekly seminar to critique performance and plan effective intern experience. Scheduled concurrently with 6263, 6264, and 6265.

6276 Psychology, 3 semester hours, 3 lec.

Surveys of the various fields of psychology. Understanding human behavior by studying the adaptation of the individual to his physical and social environment.

6277 Sociology, 3 semester hours, 3 lec.

Concentration on the description of the individual and group behavior. Basic concepts related to the family and the city. Individual, industrial, and political problem areas.

- 6278 Educational Psychology, 3 semester hours, 3 lec.
 Significant aspects of the growth and development of children and youth, including physical, social, and intellectual developments as they affect behavior patterns. Psychology as applied in improving the learning process. Prerequisite: 6276.
- 6299 Tutorial—Social Studies, 1 semester hour
 An experience in individual depth study in which one student prepares for and engages in tutoring another for two class periods per week.
- 6600 American Constitution and Government, ½ unit
 The constitution, legislative, executive, and judicial branches, and functions of national, state, and local government, finance and taxation, national defense, health, education and welfare, elections, and citizenship.
- 6602 Americanism vs. Communism, ½ unit
 Critical-analytical study of the nature, purpose, methods, objectives, and dangers of communism to our free society. Focus is on the ideology of the communist party, the structure and functions of the Soviet system, and the rule of the current regime.
- 6604 U.S. History I, ½ unit
 Political, social, and economic events in the development of the United States from Colonial times to the late 19th Century.
- 6605 World History I, ½ unit
 A study of man's social, economic and political progress from earliest civilization to the mid 17th Century and how world development has been influenced by persons, ideas and events through the years.
- 6606 Civics, ½ unit
 Structure and function of government at the local, state, and national levels. May include a survey and analysis of current vocational opportunities. For high school credit, the course is comparable to the regular secondary school course.
- 6607 World History II, ½ unit
 A study of man's social, economic and political progress from mid 17th Century to the present, and how world development has been influenced by persons, ideas, and events through the years.
- 6608 Citizenship (Civic) Education, ½ unit
 The responsibilities of citizenship in a democratic society. Examination and study of the current scene and the implications for citizenship participation and relationship to local, state, and national government.
- 6609 U.S. History II, ½ unit
 Political, social, and economic events in the development of the United States from the late 19th Century to the present.
- 6622 General Psychology, ½ unit
 Human behavior with consideration to the family and its place in society, psychology in human relations, coping with the problems of a changing social and cultural environment, understanding the interests, attitudes, and desires of individuals in matters of personal and group adjustment.
- 6623 High School Social Science, ½ unit
 Intensive review of social studies on the secondary school level. American history, civics, and Americanism versus Communism.

6625 Managing the Home, 18 class hours

Study of the management of the home as related to current activities of individuals and families. Emphasis on nutrition and sanitation. The care and upkeep of the home and its furnishings with the least expenditure of time, energy, and money will be covered.

6700 Chemical Tests for Intoxication, 40 class hours

Background and history of alcohol; effects on motor coordination; operation and maintenance of breathalyzer equipment; court testifying; metric systems; and legal aspects of consent law.

6702 Criminal Identification, 20 class hours

Designed to train students in the techniques and use of the Identi-Kit in building facial composites of wanted and missing persons. By departmental permission only.

6703 Refresher Tests for Intoxication, 20 contact hours

For in-service law enforcement officers. Designed to meet state certification requirements upon successful completion.

6704 Police Auxiliary Recruit, 80 class hours.

Course designed to meet the Florida Police Standards requirement for Auxiliary Police Officers.

6901 Law Enforcement, 280 class hours

A course designed to prepare law enforcement officers to meet the Florida Police Standards Council minimum standards.

6902 Care and Guidance of Children I, 1½ units, 270 class hours.

Designed to prepare high school students for employment at the entry level in jobs which involve the care and guidance of children. Concepts offered will help students learn about the world of work as related to employment in child care programs, as well as gain knowledge regarding children's growth and behavior, and develop skills in working with children.

6906 Basic Child Day Care, 90 class hours

Introduction to child care with emphasis on children's programs as it relates to children's growth and development. Includes a look at the teaching role in understanding and meeting needs of young children in groups.

6907 Consumer and Homemaking Education, 90 class hours

Designed to help students improve home environment and the quality of personal and family life and includes instruction in food and nutrition, child development, clothing, housing, family relations and management of resources with emphasis on selection, use, and care of goods and services, budgeting and other consumer responsibilities.

6908 Orientation to Basic Child Care, 24 class hours

An introduction to child care with emphasis on children's growth and development, to be followed by Basic Child Day Care, 6906.

6912 Care and Guidance of Children II, 1½ units, 270 class hours

Continuation of 6902. Designed to prepare high school students for employment at the entry level in jobs which involve the care and guidance of children. Concepts offered will help students learn about the world of work as related to employment in child care programs, as well as gain knowledge regarding children's growth and behavior, and develop skills in working with children.

PHYSICAL SCIENCE AND TECHNOLOGY

- 7100 Principles of Air Conditioning, 3 semester hours, 2 lec., 2 lab.
A study of fundamental principles of Air Conditioning and the component parts of basic systems; psychrometrics of air calculations of heat loads and conditioned air supply.
- 7103 Electronic Controls, 3 semester hours, 3 lec.
Electrical fundamentals, circuits, wiring methods, motors, and control circuits of electrical equipment. Prerequisite or corequisite: 5160.
- 7104 Technical Measurements, 2 semester hours, 1 lec., 3 lab.
The theory and application of measurements as used in Air Conditioning. In particular, measurement of temperature, pressure, flow rates, electrical quantities, and heating value of gases. Prerequisite or corequisite: 7103.
- 7105 Engineering Graphics, 3 semester hours, 2 lec., 2 lab.
Use of instruments; lettering practice; geometric construction; principal views in projection; auxiliary and section views; dimensioning; detail working drawings; and isometric projection.
- 7106 Descriptive Geometry, 3 semester hours, 2 lec., 2 lab.
Basic principles pertaining to points, lines and planes; including problems on sections, developments, and intersections of solids. Prerequisite: 7105.
- 7107 Industrial Processes, 3 semester hours, 3 lec.
A study of methods, shop processes and materials as they relate to the production of machine parts, including casting, molding, welding, metal cutting and forming.
- 7109 Chemical Science, 4 semester hours, 4 lec.
Fundamental principles and theories of the dual nature of physical existence, matter and energy; atomic theory; periodicity of elements; dependence of properties on structure; kinetic-molecular theory; the nature of chemical bonding; and the collision theory of reactions. *Will not* meet graduation requirements for science and mathematics majors.
- 7110 * Chemistry I, 4 semester hours, 3 lec., 3 lab.
Theoretical and descriptive chemistry, with practical experience in the laboratory. Includes historical development and perspective relationships with industry, other sciences, and household materials. For life science majors with no previous chemistry. Not offered 1972-73.
- 7111 *Chemistry II, 4 semester hours, 3 lec., 3 lab.
Health-related, elementary organic chemistry and an introduction to biochemistry. Not offered 1972-73.
- 7115 College Chemistry I, 4 semester hours, 3 lec., 3 lab.
Quantitative approach to modern theoretical and physical chemistry, with appropriate development of laboratory technique. Logical treatment of experimental data leading to understanding of (1) particulate, electrical nature of matter and bonding, (2) periodicity of properties of the elements, and (3) relationships of properties to structure. For science majors, pre-medical, pre-engineering students and others who have acceptable backgrounds in chemistry and math.

* Course on Standby Status (not offered) after Spring 1972.

- 7116 College Chemistry II, 4 semester hours, 3 lec., 3 lab.
Continuation of 7115; solutions, chemical equilibrium and qualitative analysis. Electrochemistry, radiation chemistry, hydrocarbons.
- 7122 Drafting and Design I, 5 semester hours, 2 lec., 6 lab.
Exercises in the use of drawing instruments, freehand lettering, geometric construction, orthographic projection, sections, isometric drawings, oblique drawings, graphs, freehand sketching, dimensioning, sections and conventions, fasteners, and precision and limit dimensioning.
- 7123 Drafting and Design II, 5 semester hours, 2 lec., 6 lab.
A continuation of Drafting and Design I with special emphasis on the finished drawing. Intersections, developments, gears and cams, and an introduction to architectural, mechanical, electrical and civil drafting and design. Prerequisite: 7122.
- 7125 Drafting and Blueprint Reading, 3 semester hours, 2 lec., 2 lab.
Basic instruction in orthographic drawing and blueprint reading as related to air conditioning equipment, wiring, installation and duct work.
- 7135 Physical Science, 4 semester hours, 4 lec.
Lectures and demonstrations to provide a survey of physical science and acquaint the student with the concept of the solar system, behavior of matter and energy, and molecular and atomic phenomena. Not intended for majors in the physical sciences. Prerequisite: None. Completion of 5100 or 5101 recommended.
- 7138 Earth Science, 4 semester hours, 4 lec.
Survey of astronomy, meteorology, climatology and geology with primary emphasis on geology. Mineral identification, choice of required field trips.
- 7140 Physics I, 4 semester hours, 3 lec. 3 lab.
An introduction to the laws of motion, energy and its transformations, behavior of matter, thermodynamic processes, wave motion, electricity and magnetism. Not intended for majors in the physical sciences. Prerequisite: None; Completion of 5100 or 5101 recommended.
- 7141 Physics II, 4 semester hours, 3 lec. 3 lab.
Continuation of 7140. Optics, structure of matter, and modern physics. Prerequisite: 7140.
- 7145 Geology I, 4 semester hours, 3 lec., 3 lab.
The fundamentals of geological processes and structures. Demonstration and laboratory of common rocks and materials.
- 7146 Geology II, 4 semester hours, 3 lec., 3 lab.
The history of the earth, including the origin of the continents, ocean basins and mountain formation, as recorded in the rocks of the continents, along with changes in animals and plants through time.
- 7147 Introduction to Oceanography, 3 semester hours, 3 lec.
A survey of the geography, chemistry, physics, and geology of the oceans. Lectures, demonstrations, and laboratory-type exercises to acquaint the student with oceanographic operations and data. No prerequisite.
- 7161 Electronic Field and Forces, 2 semester hours, 1 lec., 2 lab.
A first course in electrical engineering technology dealing with electrical charges, forces, electrical-field properties, electric flux, potential difference, capacitance, and electric current. Prerequisite: 5161.

- 7162 **Electronic Materials**, 2 semester hours, 2 lec.
A study of materials, including models for atoms and atomic particles, ionization, electron affinity binding of atoms into assemblies, and electron energy bands.
- 7163 **Circuit Analysis I**, 3 semester hours, 2 lec., 2 lab.
Fundamentals of D.C. circuits and single-phase A.C. circuits. Response of resistance, inductance, and capacitance in series and parallel combinations; impedance and admittance functions, complex notation, rms and average values, equivalent circuits, and network theorems. Prerequisites: 7161 and 5260.
- 7164 **Electronic Devices**, 3 semester hours, 2 lec., 2 lab.
The principles, characteristics, and operation of vacuum tube and solid-state devices. Prerequisites or corequisites: 7162 and 7163.
- 7165 **Electric Machinery**, 3 semester hours, 2 lec., 2 lab.
The characteristics and applications of A.C. and D.C. machinery. Prerequisite: 7281.
- 7216 **Organic Chemistry I**, 4 semester hours, 3 lec., 3 lab.
Hydrocarbons, stereochemistry, molecular structure, and reaction mechanisms. Prerequisites: 7115-7116 or permission of the instructor.
- 7217 **Organic Chemistry II**, 4 semester hours, 3 lec., 3 lab.
Functional groups, IR, NMR, and mass spectroscopy theory.
- 7223 **Advanced Drafting and Design: Mechanical**, 2 semester hours, 6 lab.
Mechanical and machine design, schematics and symbols, advanced dimensions and tolerances with emphasis on finished working drawings including details, sub-assemblies, assemblies, and parts lists. Prerequisites: 7107 and 7123.
- 7224 **Advanced Drafting and Design: Architectural**, 2 semester hours, 6 lab.
Architectural design of residential, commercial, and public buildings with emphasis on finished working drawings including detailing, sectioning, elevations, floor and plot plans, plumbing and electrical plans. Prerequisites: 7223, 7239, and 7257.
- 7225 **Advanced Drafting and Design: Civil and Structural**, 2 semester hours, 6 lab.
Advanced study of civil and structural drafting including highway design; topographics, map, and contour drawing; and structural layout and detailing. Prerequisite: 7123; corequisite: 7251.
- 7228 **Synchros and Servos**, 3 semester hours, 2 lec., 2 lab.
A course on principles and operations of servo-mechanisms. Prerequisite: Advanced standing.
- 7230 **Solid-State Circuitry**, 3 semester hours, 2 lec., 2 lab.
Introduces the student to construction skills in circuit design, packaging techniques, and the computation of components which make up systems.
- 7231 **Computer Fundamentals**, 3 semester hours, 2 lec., 2 lab.
Study of computer devices and circuits, compute logic and application of logic circuits, and an introduction to Boolean algebra.
- 7234 **Machine Design**, 3 semester hours, 2 lec., 2 lab.
Studies in the design and application of gears, cams, belts, friction drives, assemblies, cutters and other manufacturing elements. Emphasis on design projects. Prerequisite: 7107 and 7123.
- 7235 **Microwaves**, 4 semester hours, 3 lec., 2 lab.
A study of fundamental microwaves for such fields as radar facsimile, television pulse time modulation and telemeter.

- 7239 Introduction to Architecture, 3 semester hours, 2 lec., 2 lab.**
A survey of the history and development of architecture with emphasis on modern developments in architectural design. A study of terminology and practices.
- 7240 College Physics I, 4 semester hours, 3 lec., 3 lab.**
Mechanics, heat and sound. Calculus is used where feasible. For pre-engineering and science majors. Prerequisite: 5220.
- 7241 College Physics II, 4 semester hours, 3 lec., 3 lab.**
Continuation of 7240. Electricity, magnetism and optics. Calculus is used where feasible. Prerequisite: 7240 or instructor's permission.
- 7244 Surveying I, 3 semester hours, 1 lec., 4 lab.**
Measurement of distances, elevations and angles; analysis of errors; adjustment of instruments; computation of positions, areas volumes; contours; establishing grades; topographic mapping and land surveying. Prerequisite: 5161 and 7105 or 7122.
- 7245 Strength of Materials, 3 semester hours, 2 lec., 2 lab.**
Fundamentals of stress and strain; stress-strain relations, temperature effects, bar with axial force, thin-wall cylinders; torsion; beams; columns. Prerequisite: 5260 and 7246.
- 7246 Applied Mechanics: Statics, 3 semester hours, 2 lec., 2 lab.**
Resolution and composition of forces; equilibrium of force systems; friction centroids; moments of inertia; enriched by experience in the application to design problems. Prerequisite: 5161 and 7140.
- 7248 Applied Mechanics: Dynamics, 3 semester hours, 2 lec., 2 lab.**
Study of motion of a particle; force, mass and acceleration for plane and three-dimensional motion; relative motion; angular and linear velocities and accelerations in machine parts; experience in the application to design problems. Prerequisite: 7246.
- 7251 Surveying II, 3 semester hours, 1 lec., 4 lab.**
Laying out simple curves, compound curves, spirals and vertical curves, special topics in excavation and embankment for highways and railways, easement curves; profile levels, stadia, contours, earthworks, and grading building layouts. Prerequisite: 7244.
- 7252 Structures, 3 semester hours, 2 lec., 2 lab.**
A study of the required structural steel and concrete plans for buildings and bridges and the preparation of details and working drawings. Prerequisite: 7245.
- 7257 Building Construction and Materials, 3 semester hours, 2 lec., 2 lab.**
A study of building construction methods and techniques; introduction to specification writing and a study of building materials, their manufacture and use.
- 7258 Tool and Die Design, 3 semester hours, 2 lec., 2 lab.**
Fundamentals in tool and die design and development; elementary tool and die construction theory; principles of progressive and compound dies and an introduction to jig and fixture design. Emphasis on design problems. Prerequisite: 7107 and 7123.
- 7263 Refrigeration I, 3 semester hours, 2 lec., 2 lab.**
A study of load calculations; the thermodynamic analysis of the refrigeration cycle and auxiliary equipment; control equipment. Prerequisite: 7100.

- 7264 Refrigeration II, 3 semester hours, 2 lec., 2 lab.**
A continuation of Refrigeration I. The design of refrigeration systems. Prerequisite: 7263.
- 7265 Air Conditioning I, 3 semester hours, 2 lec., 2 lab.**
The study of commercial and industrial air conditioning; calculation of heating and cooling loads, steam, forced air, and hot water heating systems; psychometric calculations, fans and ducts, pumps and piping, heating and cooling coils, types of equipment. Prerequisite: 7100 and 7104; corequisite: 7269.
- 7266 Air Conditioning II, 3 semester hours, 2 lec., 2 lab.**
A continuation of Air Conditioning I. In addition an introduction to the study of systems design. Prerequisite: 7265.
- 7267 Control Systems, 3 semester hours, 2 lec., 2 lab.**
The application of electric and pneumatic control systems to heating and air conditioning systems for controlling the temperature and humidity of the air. Prerequisite: 7265 and 7103.
- 7268 Air Conditioning Design, 2 semester hours, 1 lec., 2 lab.**
A study and application of the design of air conditioning systems. Starting with a blueprint of a commercial-type building, the student calculates heating and cooling loads, selects equipment from manufacturers' catalogs, designs duct and piping systems, and makes a drawing of the system. Corequisite: 7266.
- 7269 Residential Air Conditioning, 3 semester hours, 2 lec., 2 lab.**
Heating and Air Conditioning as applied to residential type buildings; calculation of heat losses and heat gains, air distribution systems, duct design; selection of equipment and residential controls. Prerequisite: 7100; corequisite: 7104.
- 7270 Systems Design I, 5 semester hours, 3 lec., 4 lab.**
Study of load calculations; the thermodynamic analysis of refrigeration, cycle, auxiliary equipment, control equipment.
- 7271 Systems Design II, 5 semester hours, 3 lec., 4 lab.**
A continuation of Systems Design I.
- 7272 Air Conditioning Problems, 3 semester hours, 3 lec.**
Study of practical air conditioning problems as related to the industry. Designed to give the students a solutions approach.
- 7273 Psychrometrics, 3 semester hours, 3 lec.**
Control of air for humidity, distribution, filtration and acoustics.
- 7280 Semiconductors, 3 semester hours, 2 lec., 2 lab.**
Analysis of the transistor by the use of the H parameters is presented. Study of diodes, transistors and other semiconductor devices. Construction and testing of transistor circuits. Prerequisite: 7163.
- 7281 Circuit Analysis II, 3 semester hours, 2 lec., 2 lab.**
Continuation of 7163 including network theorems, coupled circuits, resonant circuits, graphical techniques, transients, and balanced polyphase circuits. Prerequisite: 7163.
- 7282 Electronic Drafting and Fabrication, 1 semester hour, 0 lec., 2 lab.**
Layout, packaging and manufacture of electronic assemblies and systems. An electronic system in the breadboard stage, planning the layout, producing mechanical drawings, and generating parts lists is included. Prerequisite: 7105 or 7122.
- 7283 Industrial Electronics, 3 semester hours, 2 lec., 2 lab.**
The function and application of vacuum tube and semiconductor devices in industrial systems. Prerequisite: 7163.

- 7284 Electronic Circuits, 3 semester hours, 2 lec., 2 lab.
Basic amplifiers, oscillators, radio receiving and transmission circuits including single side band and frequency modulation systems, vacuum tube and transistor systems. Prerequisite: 7281.
- 7295 Chemical Analysis, 4 semester hours, 2 lec., 4 lab.
Theory and technique of volumetric gravimetric, and instrumental analysis. Evaluation of data. Prerequisite: 7115-7116 or permission of the instructor.
- 7298 Electronic Control Systems, 4 semester hours, 3 lec., 2 lab.
Electronic control systems and analysis of component functions.
- 7299 Tutorial—Science and Technology, 1 semester hour
An experience in individual depth study in which one student prepares for and engages in tutoring another for two class periods per week.
- 7608 Basic Physical Science, ½ unit
High School course designed to acquaint the individual with various aspects of the physical sciences. It includes elements of physics, chemistry, geology, astronomy, meteorology, and other selected physical science topics.
- 7621 High School General Science, ½ unit
Intensive review of science on the secondary school level.
- 7700 Auto Body 1, 15 hours weekly. *for 15 weeks.*
Auto body construction, basic hand and power tools, damage assessment, shop safety and procedures, human relationships. Metal straightening, shrinking sheet metal, filling dents, pull rods, welding and cutting.
- 7701 Auto Body 2, 15 hours weekly.
Auto body construction, basic hand and power tools, damage assessment, shop safety and procedures, human relationships. Straightening panels, replacing fenders and panels, repairing fiberglass bodies, auto body maintenance, replacing windshields.
- 7702 Auto Body 3, 15 hours weekly.
Auto body construction, basic hand and power tools, damage assessment, shop safety and procedures, human relationships. Aligning hoods & deck lids, adjusting doors, door hardware, interior trim and weatherstrip, power seats and windows.
- 7703 Auto Body 4, 15 hours weekly.
Auto body construction, basic hand and power tools, damage assessment, shop safety and procedures, human relationships. Frame and unitized body straightening, cutting and welding, wheel alignment.
- 7704 Auto Body 5, 15 hours weekly.
Auto body construction, basic hand and power tools, damage assessment, shop safety and procedures, human relationships. Surface preparation for painting, metal straightening, filling dents, sanding, masking.
- 7705 Auto Body 6, 15 hours weekly.
Auto body construction, basic hand and power tools, damage assessment, shop safety and procedures, human relationships. Preparing paint, matching colors, spray painting equipment, how to spray paint.
- 7709 Cabinet Making, Millwork, and Furniture Making
Training in hand carpentry necessary to cut, shape, and assemble furniture, fixtures, cabinets, door and window frames, and finished interior woodwork.

7715 Electric Wiring: Apprentice, 160 class hours

Related theory and classroom work for electrical apprenticeship training. Training in the installation of wiring systems and lighting fixtures in building, including laying conduit, installation switch panels, pulling wire, splicing, testing circuits, line construction and performing other duties and jobs required of an electrician.

7716 Electric Line Service and Repair I

Training in the repair and replacement of defective power lines and auxiliary equipment, including replacement of defective poles, installation of transformers and inspecting of insulators. Course includes forty-five basic job training procedures and fifty-four assignment sheets. Emphasis is placed on safe working procedure. Designed for groundman first-class rating.

7717 Electric Line Service and Repair II

Training in the repair and replacement of defective power lines and auxiliary equipment, including replacement of defective poles, installation of transformers and inspection of insulators. Course includes fifty-five job training procedures and fifty-six assignment sheets. Safety is stressed throughout the course. Designed for lineman trainee.

7718 Electric Line Service and Repair III

Training in the repair and replacement of defective poles, installation of transformers and inspection of insulators. Course includes twenty-one job training procedures and twenty-nine assignment sheets. In addition to presenting job procedures and related technical knowledge of the line trade, special stress is placed on safe working practices. Designed for lineman second-class training.

7719 Electric Line Service and Repair IV

Training in the repair and replacement of defective power lines and auxiliary equipment, including replacement of defective poles, installation of transformers and inspection of insulators. Course includes thirty job training procedures and forty-one assignment sheets on line craft skills, essential technical information and safe working practices necessary for a lineman first class and foreman to effectively perform or supervise line craft work. Designed for lineman first-class training.

7741 Welding: Oxyacetylene

Training in fusing metal parts by means of oxyacetylene torch and welding rods to fabricate metal articles or to repair damaged metal objects; use of oxyacetylene cutting torch; welding symbols and blueprint reading. Designed for occupational improvement.

7742 Welding: Electric-Arc

Training in the fusing of metals by means of electric-arc equipment and electrodes to fabricate metal articles or to repair damaged metal objects. Designed for occupational improvement.

7743 Welding 1, 15 hours weekly

Acetylene Welding. Practical and theoretical training in the weldability and identification of metals and alloys, use of equipment and manual and automatic cutting and burning. Acetylene welding includes theory and practice of welding light metals, brazing and hard surfacing. The safety and care, use and adjustment of the various types of welding equipment.

7744 Welding 2, 15 hours weekly

A continuation of Welding 1. Prerequisite: 7743 or permission of the instructor.

- 7745 Welding 3, 15 hours weekly**
Arc Welding. Practical and theoretical training in the weldability and identification of metals and alloys, use of equipment. The manipulation and application of various American Welding Society electrodes, joint construction, signs and symbols, terminology, metallurgy, A.W.S. Electrode classification and coatings. The safety and care, use and adjustment of the various types of welding equipment. Prerequisite: 7744 or permission of the instructor.
- 7746 Welding 4, 15 hours weekly**
A continuation of Welding 3. Prerequisite: 7745 or permission of the instructor.
- 7747 Welding 5, 15 hours weekly**
Heli-arc Welding. Techniques in bonding aluminum and stainless steel, the safety and care, use and adjustment of the various types of welding equipment. Prerequisite: 7746 or permission of the instructor.
- 7748 Welding 6, 15 hours weekly**
Review of Welding 1, 2, 3, 4 and 5. Techniques of utilizing Heat Treating Oven, strength testing methods, cutting angles, bevels, etc. Prerequisite: 7747 or permission of the instructor.
- 7750 Equipment Usage for Job Simplification in Food Services, 60 class hours**
Simplification of work procedures through the effective use and care of small and large equipment. Includes elements of kitchen planning as it relates to work procedure and equipment selection as it relates to the type of food service.
- 7751 Quantity Foods, 90 class hours**
The application of good cookery principles to quantity food production emphasizing high production standards, attractive food, and the use of equipment in its production. Prerequisite: 7921 or permission of the instructor.
- 7752 Directed Practice—Food Service management, 4 semester hours, 2 lec. 10 lab.**
On-the-job training in the student's area of specialization. Prerequisite: permission of instructor.
- 7753 Human Relations for the Food Industry, 60 class hours**
Study of the way people in an organization think and deal with each other in order to achieve stated or pre-stated goals. An attempt is made to understand human behavior so changes can be instituted.
- 7754 Fast Food Service, 30 class hours**
Organizational and operational techniques of restaurant establishments dealing specifically with fast food service or limited and minimum service types of food service. Includes operational functions, organizations, services, production, equipment, materials, and supplies employed in fast food service operations.
- 7755 Introduction to Sanitation and Safety in Food Services, 45 class hours**
Designed to acquaint the student with the basic principles of microbiology and its application to the need for personal cleanliness. Cause, control, and investigation of illness caused by food contamination. Sanitary practices for food production, kitchen, dining room, and all equipment. Prerequisite: 8250 or permission of the instructor.
- 7756 Sanitation and Safety for School Food Service, 30 class hours**
Designed to develop a consciousness of safe and sanitary procedures in food storage and preparation and a desire to follow safe personal and operational habits in school food service. Prerequisite: employment in school food service.
- 7757 Quantity Food Production for School Food Service Personnel, 60 class hours**
Methods of quantity food preparation utilizing standard recipes, recommended weights and measures, with timing, scheduling, equipment utilization and serv-

ice of meals designed for school food service. Prerequisite: employment in school food service.

7758 Sales and Sales Backup in Food Services, 60 class hours

Designed to acquaint students with the job of table service and back up service to this job. Emphasis on proper attitudes toward job, customer, and the skills necessary to serve and set an attractive table.

7759 Inventory Control and Management in Food Services, 60 class hours

Designed to acquaint students with the function of inventory in the food service industry. Emphasis on proper storage, requisitioning, and release of items from the storage facility.

7760 Directed Practice in Food Service, 180 class hours

On-the-job training in the student's area of specialization. Experience in the area may be specialized (one area) or general with movement of the student throughout various jobs in that business operation. May be taken twice. Prerequisite: permission of the instructor.

7761 Nutrition for School Food Service Personnel, 30 class hours

Provides basic information regarding normal nutrition, with an emphasis on the needs of children and youth; the role of food nutrients; promotion of good eating habits; and the conservation of nutritional value of food during storage, preparation, and service. Prerequisite: employment in school food service.

7762 Work Improvement for School Food Service, 30 class hours

Basic principles of motion, economy, and the application of time-saving methods to a job. Stress is placed on simplifying tasks, conserving energy, eliminating physical strain and increasing efficiency. Prerequisite: employment in school food service.

7770 Industrial Drafting and Design 1, 15 hours weekly

The first course in a drafting and design certificate or released high school program. Includes basic use of instruments, freehand lettering, geometric construction, orthographic projection, auxilliary views, sections and conventions and screw threads. Related study in mathematics, science, and reproduction methods.

7771 Industrial Drafting and Design 2, 15 hours weekly

A continuation of 7770, including dimensioning, tolerances, fasteners, geometric and positional tolerances, pictorial drawings, working drawings with emphasis on use of catalogs and handbooks. Related study in mathematics and descriptive geometry.

7772 Industrial Drafting and Design 3, 15 hours weekly

A continuation of 7771, including intersections and sheet metal developments, piping drawings, welding drawings, structural, electrical and electronic drawings, cams and gears. Related study in mathematics.

7773 Industrial Drafting and Design 4, 15 hours weekly

A continuation of 7772, drive components—belts, chains and related calculations, strength of materials, jig and fixture design, architectural details and project in area of student's major interest. Tips and suggestions for job hunting.

7780 Industrial Electronics 1, 15 hours weekly

Introduction to basic electricity, history and evolution. Use of lab facilities. Basic algebra, trigonometry, complex numbers. Ohm's and Watts Laws. DC, parallel, and series circuits, voltage, current, and resistance. DC meters.

- 7781 Industrial Electronics 2, 15 hours weekly**
Continuation of Electronics 1. Electromagnetic induction and stored charges. AC circuits, current and voltage. Capacitance and inductance. Reactance, complex impedance, and phase angles. Resonance and filters. Introduction to vacuum tube theory.
- 7782 Industrial Electronics 3, 15 hours weekly**
Introduction to solid state physics, crystallography, and semi-conductor elements. Semi-conductor devices, diodes, and transistors. Review of algebra, trigonometry, complex numbers.
- 7783 Industrial Electronics 4, 15 hours weekly**
Continuation of Electronics 3. Power supplies, amplifiers, oscillators, multivibrators, and other basic sub-assemblers, transformers.
- 7784 Industrial Electronics 5, 15 hours weekly**
Theory of radio and television, signal transmitters and receivers. Antennas and waveguides. Radiowave propagation, power transmission, image impedance.
- 7785 Industrial Electronics 6, 15 hours weekly**
Continuation of Electronics 5. Theory of Boolean logic, binary numbers. Gates. Basic theory of digital computers, pulse and digital circuits. Survey of military and commercial hardware including radar, navigational devices and distance measuring equipment.
- 7790 Brick and Blocklaying 1, 15 hours weekly**
Introduction to the craft, basic hand tools, their use and care, trade terminology. Construction of block leads, mortar mixing, evolution of the trade.
- 7791 Brick and Blocklaying 2, 15 hours weekly**
Continuation of Brick and Blocklaying 1. Shop safety, trade terminology, practical experience in construction of block walls, material estimation.
- 7792 Brick and Blocklaying 3, 15 hours weekly**
Introduction to the craft, basic hand tools, trade terminology, construction of brick leads and walls. Bends, patterns, and texture.
- 7793 Brick and Blocklaying 4, 15 hours weekly**
Continuation of Brick and Blocklaying 3. Exercises in construction of combination brick and block wall types, cavity walls, reinforced masonry walls, loadbearing walls and columns.
- 7794 Brick and Blocklaying 5, 15 hours weekly**
Advanced problems of the trade. Review of block and brick principles, problems in bonding, piers, junctions, tees. Floors and pavements. Blueprint reading.
- 7795 Brick and Blocklaying 6, 15 hours weekly**
Continuation of Brick and Blocklaying 5. Advanced masonry problems. Flashing, fireplace and chimney design. Blueprint takeoffs. Cost estimation.
- 7826 Food Services: Sanitation and Safety, 3 semester hours, 3 lec.**
Procedures and practices which result in sanitary and safe handling of food products.
- 7831 Basic Foods, 4 semester hours, 2 lec. 4 lab.**
Introduction to principles of basic foods production with emphasis on techniques of food production in the areas of meat, vegetable, bakery and related food processes.
- 7833 Orientation to Food Services Industry, 2 semester hours, 2 lec.**
Scope, organization, and history of the food service industry. Study of job positions at all levels including educational and experience requirements, personal qualifications, job responsibilities, and future opportunities.

- 7835 Clothing Construction I**, 3 semester hours, 1 lec., 4 lab.
 Selection of design, color and fabric, selection and use of commercial patterns; planning and construction of garments; developing of basic construction skills.
- 7836 Clothing Construction II**, 3 semester hours, 1 lec., 4 lab.
 Use of commercial patterns in clothing construction, adapting the pattern to suit the individual, with emphasis on suitability of construction and finishing details. Prerequisite: 7835 or permission of the instructor.
- 7837 Basic Air Conditioning and Refrigeration Mechanics**, 15 class hours weekly
 Beginning course in air conditioning and refrigeration with emphasis on basic fundamentals, safety, measuring tools, hand and power tools, soldering and brazing, blueprints, and basic mathematics.
- 7838 Refrigeration Mechanics I**, 15 class hours weekly
 A continuation of 7837 with special emphasis on refrigeration equipment. Includes basic electricity, refrigerants, oils, moisture removal, and study of the refrigeration cycle. Prerequisite or corequisite: 7837.
- 7839 Refrigeration Mechanics II**, 15 class hours weekly
 A continuation of 7838 with special emphasis on service and repair of refrigeration equipment. Prerequisite: 7838.
- 7840 Air Conditioning Mechanics I**, 15 class hours weekly
 A continuation course in the air conditioning and refrigeration program with emphasis on the air conditioning and heating cycle and equipment. Continuation of the study of mathematics and electricity. Prerequisite: 7839 or concurrently.
- 7841 Air Conditioning Mechanics II**, 15 class hours weekly
 A continuation of 7840 with special emphasis on service repair, testing, and installation of air conditioning and heating equipment. Prerequisite: 7840.
- 7842 Advanced Air Conditioning and Refrigeration Mechanics**, 15 class hours weekly
 A continuation and culmination of the air conditioning and refrigeration program with emphasis on advanced study and experience in service and repair of equipment. This course includes a proficiency examination in preparation for the certificate. Prerequisite: 7841.
- 7843 Communication Systems**, 45 class hours.
 Communication systems and the factors affecting the design, operation and maintenance of receiving and transmission equipment. AC/DC Theory, antennas, transistors, microwave, oscillators and amplifiers are covered. Preparation for F.C.C. license examination.
- 7870 Directed Practice—Food Service Operation**, 4 semester hours, 2 lec., 10 lab.
 On-the-job training in the student's area of specialization. Experience in the job area may be specialized (one area) or general with movement of the student throughout various jobs in that business operation. May be taken twice for credit. Prerequisite: permission of the instructor.
- 7871 Fast Food Service Management**, 2 semester hours, 1 lec., 2 lab.
 Study of the organizational and operational techniques of restaurant establishments dealing specifically with fast food service or limited and minimum service types of food service. Includes operational functions, organization, services, production, equipment, materials, and supplies employed in fast food service operations.

7872 Nutrition and Menu Design, 3 semester hours, 3 lec.

Designed to acquaint the student with the various nutritional components necessary for man's health and productivity, the effect of food processing on these components, and the utilization of this knowledge in the planning of menus for the food industry. Also, the effect of psychological factors on the acceptance of menus by the customers of the business. Menu design is an integral part of the course.

7873 Food Service Cost Control, 3 semester hours, 3 lec.

Study of food control and the importance of sound purchasing methods, receiving procedures, controlled food production, inventories, storeroom issues, standardization of recipes, utilization of employees and maintenance of records to the control of food and labor costs. Prerequisite: 7876, 1200, or permission of the instructor.

7874 Human Relations and Management in Food Industry, 3 semester hours, 4 lec.

Study of interaction of individuals within an organization in their efforts to achieve stated or pre-stated goals. An attempt is made to understand human behavior so changes can be instituted. Case history and role playing are an integral part of the course.

7875 Restaurant Management, 3 semester hours, 3 lec.

Principles of operating a food service which are common to all types of commercial and industrial food services, covering sales promotion, advertising, personnel, legal aspects, insurance, labor-management relations. Prerequisite: permission of the instructor.

7876 Purchasing for the Food Service Industry, 3 semester hours, 3 lec.

Principles of purchasing of food and supplies including food storage, market availability, analysis of food quality, and specification writing.

7877 Quantity Food Production, 4 semester hours, 2 lec. 4 lab.

The application of good cookery principles to quantity food production emphasizing high production standards, attractive food, and the use of equipment in its production. Prerequisite: 7831 or permission of the instructor.

7878 Equipment and Work Simplification, 3 semester hours, 2 lec., 2 lab.

Designed to teach methods of simplifying work through the effective use and care of small and large equipment. Includes elements of kitchen planning as it relates to work procedure and equipment selection as it relates to the type of food service.

7921 Beginning Foods, 90 class hours

Introduction to principles of basic food production with emphasis on techniques of food production in the areas of meat, vegetable, bakery, and related food processes.

7922 Introduction to Food Services, 30 class hours

Scope, organization, and history of the food service industry. Study of job positions at all levels including educational and experience requirements, personal qualifications, job responsibilities, and future opportunities.

7923 Introduction to Nutrition and Menu Design, 45 class hours

Designed to acquaint the student with the various nutritional components necessary for man's health and productivity with a study of the effect of food processing, temperature, moisture, air on these components. Utilization of this knowledge in the planning of menus for the food industry and psychological factors involved in the acceptance of menus by the customers of the business. Menu design is an integral part of this course.

- 7930 Food Preparation for Homemakers, 60 class hours**
A study of wise selection and correct preparation of foods necessary to promote optimum nutrition. Emphasis is given to planning, buying and preparing nutritional foods for the low-income family.
- 7932 Upholstery, 45 class hours**
Training in installing, arranging, and securing springs, padding, and covering material, such as cloth or leather to frames of overstuffed chairs, davenports and stationary seats, including automobile seats.
- 7933 Basic Clothing Construction, 75 class hours**
For the person who has had little or no experience in recently developed techniques in clothing construction. A study of pattern selection including body measurements and simple alterations, fabric selection and preparation with emphasis placed on easy-to-sew patterns and fabrics. Selection, use, and care of modern sewing and pressing equipment and completion of a simple garment using modern sewing techniques and selection of suitable accessories required.
- 7935 Advanced Clothing Construction, 75 class hours**
Developing the ability to make more difficult pattern alterations, use of more complicated patterns and use and care of fabrics requiring special treatment. The completion of at least one garment using more advanced techniques and details which give individuality to the garment. Prerequisite: 7933.
- 7936 Airframe and Power Mechanics Preparation, 120 class hours**
A course to prepare aircraft frame and engine mechanics for the F.A.A., A and P license examination. Designed for occupational improvement.
- 7938 Sheet Metal Mechanics (B), 45 contact hours**
Training in fabricating, assembling, altering, repairing, and installing sheet metal articles and equipment. Designed for occupational improvement.
- 7960 Technical Drafting and Design I, 120 class hours**
Includes exercises in the use of drawing instruments, freehand lettering, geometric construction, orthographic projection, sections, isometric drawings, oblique drawings, graphs, freehand sketching, dimensioning, sections and conventions, fasteners, and precision and limit dimensioning.
- 7961 Technical Drafting and Design II, 120 class hours**
A continuation of Technical Drafting and Design I with special emphasis on the finished drawing. Includes intersections, developments, gears and cams, and an introduction to architectural, mechanical, electrical and civil drafting and design. Prerequisite: 7960.
- 7967 Architectural Drafting, 120 class hours**
Introduction to architecture; lettering; line drawing; dimensioning; detail section and floor plan drawing; rendering and perspective drawing; model construction.
- 7971 Auto Mechanics I, 15 class hours weekly**
Shop Safety. Use and care of hand tools, shop equipment, shop layouts, and procedures. Study of engine fundamentals and construction.
- 7972 Auto Mechanics II, 15 class hours weekly**
Shop Safety. Use and care of hand tools, shop equipment, shop layouts, and procedures. In depth study of engine operations, valve train, cylinder heads, crankshafts, and oil systems. Study and practical experience relating to cooling and systems.

- 7973 Auto Mechanics III, 15 class hours weekly
Shop Safety. Use and care of hand tools, shop equipment, shop layouts, and procedures. Instruction in operating modern testing equipment used in engine tuneups. Theory and function of automotive ignition systems. Includes practical experience.
- 7974 Auto Mechanics IV, 15 class hours weekly.
Shop Safety. Use and care of hand tools, shop equipment, shop layouts, and procedures. Fundamentals of electricity as pertains to the battery, cranking motors, generators and alternators, and voltage regulators. Includes practical experience.
- 7975 Auto Mechanics V, 15 class hours weekly.
Shop Safety. Use and care of hand tools, shop equipment, shop layouts, and procedures. Study of brakes, including diagnosis and overhaul of hydraulic units, machining brake drums and discs. Theory and function of steering systems, front wheel alignment. Includes practical experience.
- 7976 Auto Mechanics VI, 15 class hours weekly.
Shop Safety. Use and care of hand tools, shop equipment, shop layouts, and procedures. Study and practical experience covering the clutch, standard transmission, automatic transmission, drive line, and differential. Purpose and function of frames, springs, shock absorbers. Includes practical experience.
- 7978 Basic Surveying, 75 class hours
Measurement of distances, elevations and angles, analysis of errors, adjustment of instruments, computation of positions, areas and volumes; contours; establishing grades; topographic mapping and land surveying.
- 7983 Mathematics for Water and Sewage Plant Operators, 60 class hours
A course designed to refresh student's knowledge of basic mathematical techniques. Emphasis is placed on the application of these techniques to problems encountered in water and sewage treatment. For occupational improvement.
- 7984 Chemistry for Water and Sewage Plant Operators, 60 class hours
A course designed to provide water and sewage plant operators with a working knowledge of chemistry as applied to water and sewage treatment.
- 7998 Automotive Air Conditioning Mechanics, 120 class hours
Instruction and practical experience in the service and repair of automotive air conditioning units. The air-conditioning cycle, testing, trouble shooting, installing, servicing, and repairing.
- 7999 Radiological Monitoring, 15 class hours
A civil defense education course to acquaint the student with radioactive material and radiological monitoring equipment.

BIOLOGICAL SCIENCES

- 8100 Review of Biology Fundamentals, 3 semester hours, 3 lec.
Fundamental principles of biology. Vocabulary pertaining to biology of plants, animals, and mankind. Conservation and human ecology. *Compensatory Education—does not count as fulfillment of graduation requirements.*
- 8148 Man and Environment, 3 semester hours, 3 lec.
A study of the physical and biological environment and its intelligent utilization. (Offered in Spring term only)
- 8149 General Biology, 4 semester hours, 3 lec., 2 lab.
The principles of biology will be covered. Human biology will be emphasized. Admission by permission of the instructor only. (Not for majors in biology.)

8150—8151 Biology I-II (3—3), 2 lec., 2 lab.

The nature of living organisms and of life, contemporary information concerning the basic biological concepts, a first-hand experience with the scientific method of study and an appreciation of man's understanding of his environment. Admission by permission of instructor only. (For non-science majors)

8155 Human Anatomy and Physiology, 4 semester hours, 3 lec., 3 lab.

An integrated study of human anatomy and physiology including structure and functions of the organ systems of men. Prerequisites: High school chemistry or biology. (Winter and Spring terms)

8156 Botany, 4 semester hours, 3 lec., 3 lab.

A course designed to introduce the student to the biological principles of the plant kingdom with emphasis on the flowering plants.

8160 Zoology, 4 semester hours, 3 lec., 3 lab.

The concepts of animal life. An introduction to the tissues in higher animals, embryology and relationships of major animal phyla to each other and to man.

8200 Comparative Vertebrate Anatomy, 4 semester hours, 2 lec., 4 lab.

The structure of vertebrates, using representative examples of fish, amphibia, reptiles, birds, and mammals, comparing them with each other as well as with the primitive chordates. Lectures on the embryological origins of the adult organ systems. Prerequisite: 8160 or its equivalent. (Winter term)

8201 Advanced Botany, 4 semester hours, 2 lec., 4 lab.

A survey of the plant kingdom with emphasis on the structure, reproductive processes, and phylogenetic relationships of the principal plant groups. Related fields of physiology, ecology, genetics and taxonomy are frequently called upon to interpret the more dynamic aspects of plant form. Prerequisite: General Botany. (Winter term)

8202 Introductory Marine Biology, 4 semester hours, 2 lec., 4 lab.

Marine and estuarine waters and their occupants. Emphasis on the conservation and the taxonomy of the biota of economic importance. Prerequisite: Zoology. (Spring term)

8221 Nutrition, 3 semester hours, 3 lec.

The role of nutrients in maintenance of physiological well-being. Application of nutrition principles to the individual and family as well as to some selected problems. Prerequisite: 7115 and 8150 or 8160 (may be taken concurrently); or permission of the instructor. (Winter term)

8250 Microbiology, 4 semester hours, 2 lec., 4 lab.

A fundamental course in microbiology designed to fulfill the needs of pre-med., nursing and pharmacy students as well as science majors. A general survey of microbiology, the cultivation and observation of microorganisms and their chemical and biological relationships to water, food, industrial processes and disease. Prerequisites: 8150-8151 or 8156-8160 or 7115 (may be taken concurrently) or permission of the instructor. (Fall term)

8256 Cell Biology, 3 semester hours, 3 lec.

An introduction to the ultrastructure, biochemistry and physiology of plant and animal cells.

8286 Genetics, 4 semester hours, 3 lec., 3 lab. (Fall term)

Heredity, the physical basis on inheritance including the contemporary concept of the gene, and the qualitative and quantitative aspects of genetic variation. Prerequisites: 8150-8151 or the equivalents, with a grade of "C" or better, or 8156 and 8160 or the equivalents, with a grade of "C" or better or permission of the instructor.

- 8298 Independent Study: Biology, 1 semester hour
- 8299 Tutorial Biology, 1 semester hour
An experience in individual depth study in which one student prepares for and engages in tutoring another for two class periods a week.
- 8600 High School Biology, ($\frac{1}{2}$ — $\frac{1}{2}$) unit
Plant and animal life from the most simple to the most complex; structures, reproduction, characteristics and classification of living things; conservation of natural resources; economic botany and sanitation.
- 8604 Biology Seminar
Seminar discussions and guest lectures to help adults to help adults stay abreast of the advancements in the biological sciences in the modern world.
- 8606 Environmental Quality, 20 class hours.
Designed to teach interested persons actual environmental conditions in North-west Florida, specifically, and Florida in general. There will be emphasis on how these conditions have developed, on the means to restore them in some cases, and to conserve what we have in others. Experts in various fields will bring their practical experience and knowledge to the students. Their talks will be illustrated in the ten two-hour sessions.
- 8607 Home Beautification and Maintenance, 45 class hours.
A practical course designed to assist the student to plan, plant, and maintain shrubs and other foliage to beautify the local home or other buildings.
- 8608 Applied Botany of the Home Garden Plants, 45 class hours.
Designed to provide general information regarding cultivated garden plants. Planting, cultivating, and growing of these plants will be stressed along with how the plants are prepared for table use.

FACULTY AND ADMINISTRATION

ADMINISTRATIVE STAFF

- Anderson, John R. *Counselor and Financial Aids Officer*
University of Mississippi, M.S.
- Benvenuti, Eugene S. *Registrar*
University of Southern Mississippi, M.A.
- Byrd, John L. *Procurement Officer*
Louisiana State University, B.S.
- Couey, Ned R. *Director of Chautauqua Neighborhood Center*
University of South Florida, M.A.
- Durham, James A. *Director of Institutional Research*
University of Southern Mississippi, Ed.D.
- Fernstrom, Dorothy B. *Evening Counselor and Assistant Registrar*
University of Houston, M.A.
- Gulledge, Earl N. *Dean of Instruction and Director of Occupational Education*
East Carolina University, M.A.
- Hester, Thomas J. *Personnel Officer*
Berry College, B.S.
- Hotes, Robert W. *Information Services Specialist*
University of Dallas, M.A.
- Johnson, Cecil R. *Comptroller*
University of Alabama, M.S.
- Jones, Elizabeth *Librarian*
Florida State University, M.S.L.S.
- Lawrence, Victoria *Assistant to the President*
- Lawson, R. D. *Director of Data Processing*
Florida State University, M.S.
- Lunan, Mackenzie A. *Coordinator of Testing and Veteran Affairs*
University of Southern Mississippi, M.Ed.
- McCracken, J. E. *President*
Ohio State University, Ph.D.
- Mettee, Maurice *Plant and Ground Supervisor*
- Mitchell, Billy F. *Admissions Officer*
Rollins College, M.A.T.

- Ray, Laura N. *Director of Library Services*
George Peabody College, M.A.L.S.
- Rhoades, James N. *Director of Administrative Services*
Florida State University, M.S.
- * Roberson, Hosmer W. *Coordinator of Media Services*
University of Alabama, B.S.
- Rudolph, Ray H. *Director of Educational Services for Military Personnel*
Syracuse University, M.B.A.
- Sadler, William T. *Acting Associate Dean and Director of General Adult*
Florida State University, Ph.D. *Education*
- Schoen, Robert *Programmer*
- Shuler, Bernice *Librarian*
Florida State University, M.S.L.S.
- Stair, John *Coordinator of Student Activities*
Auburn University, M.S.
- Symonds, Merrill A. *Enrichment Education Program Development Officer*
Clark University, Ph.D.
- Tharpe, Harriet *Programmer*
Georgia Southern College, B.S.
- Tidwell, Linda G. *Librarian*
Peabody Library School, M.L.S.
- Walter, Mamiruth *Coordinator of Counseling Services*
George Washington University, M.Ed.
- Warren, Lucy *Librarian*
Florida State University, M.S.L.S.
- Wilson, Robert D. *Dean of Students and Vice President*
University of Mississippi, Ph.D.

* Leave of Absence, 1972-73

FACULTY

- Adams, Henderson L. *Mathematics*
Columbia University, M.A.
- Beal, Roby A. *Mathematics*
University of South Carolina, M.S.
- Beasley, Ernest, A. *Business*
University of Miami, M.B.A.
- Bethea, Bernice *Home Economics*
Florida A & M University, M.Ed.
- Bolen, Linda Lee *Communications*
Auburn University, M.A.
- Boone, Harold. *Auto Body Paint and Repair*
- Boyer, Paul *Earth Science*
University of Illinois, Ph.D.
- Browning, Clark T. III *Social Science*
University of Southern Mississippi, M.S.
- Bruce, Gaius *Physical Education*
University of Southern Mississippi, M.S.
- Bundy, Roy *Chair, Biology*
University of Wisconsin, Ph.D.
- Cash, Herbert J. *Biology*
Montana State College, M.S.
- Cast, Lynda W. *Music*
Louisiana State University, M.M.
- Chapman, Leigh. *Air Conditioning*
- Conger, Flora S. *Child Development Education*
University of North Carolina, M.S.
- Craiger, Vera C. *Business*
University of Alabama, M.A.
- Crozier, Margaret. *Speech*
Louisiana Polytechnic Institute, M.A.
- Culwell, Jackson P. *Physical Science*
U.S. Naval Postgraduate School, M.S.
- Dent, John S. *Commercial Foods Education*
Eastern Michigan University, M.S.

- Elliott, H. Earl *Brick and Blocklaying*
Okaloosa-Walton Junior College, A.A.
- Falasca, Richard A. *Welding*
- Friese, Edward *Mid-Management Programs*
University of South Florida, M.A.T.-D.E.
- Frye, Benjamin M. *Biology*
Oklahoma State University, Ed.D.
- Gardner, Edwin A. *French/Spanish*
University of Oregon, M.A.
- Glasgow, John C. *Mathematics*
Florida State University, M.S.
- Graham, James A. *Automotive Mechanics*
University of West Florida, B.S.
- Hamilton, Ross E. *Biology*
Northeast Louisiana State College, M.S.
- Harris, Dorothy P. *German and Communications*
University of North Carolina, M.A.
- Hart, Arnold *Art*
University of Florida, M.Ed.
- Head, Ronald. *Chair, Physical Science*
University of the Pacific, Ph.D.
- Heath, Lanny *Chair, Physical Education*
George Peabody College, M.A.
- Heckroth, Lewis J. *Chair, Mathematics*
Texas A & M University, M.S.
- Hilton, Rosa N. *Chair, Communications*
Florida State University, M.A.
- Howard, Rietta W. B. *Communications*
University of North Carolina, M.A.
- Howell, Myron *Mathematics*
University of Florida, M.Ed.

- Hutchcroft, John C. *Music*
Ithaca College, M.M.
- Jackson, Dorothy *Business*
University of Mississippi, M.B.E.
- Jensen, Chilton K. *Chair, Industrial-Technical Education*
Florida State University, M.S.
- Jordan, Martha *Mathematics*
Florida State University, M.S.
- King, L. Catherine *Communications*
Troy State University, M.S.
- King, Ralph *Air Conditioning*
- Langley, Charlotte *Data Processing*
University of West Florida, B.S.
- LaRoche, James N. *Communications*
University of Texas, M.A.
- Larson, Robert A. *Chair, Humanities*
Florida State University, M.A.
- * Leatherwood, John G. *Music*
George Peabody College, M.M.
- Leon, Lionel *Biology*
University of Florida, Ed.D.
- Lucas, George *Business*
Marshall University, M.A.
- Martin, Elizabeth *Business*
University of Alabama, M.A.
- * Matthews, Joseph J. *Social Science*
University of Miami, M.A.
- McGeorge, Lewis J. *Automotive Mechanics*
- McKellar, Donald B. *Speech and Drama*
University of Mississippi, M.A.
- Muhlbach, George W. *Police Science*
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New England Conservatory of Music, M.M.

* Leave of absence 1972-73

- Owens, David *Art*
Florida State University, M.F.A.
- Penalver, Marjorie N. *Communications*
Cornell University, M.A.
- Potter, John D. *Occupational Specialist, Industrial Technical Education*
University of Florida M.Ed.
- Pulley, Charles H. *Physical Education*
University of Florida, M.A.
- Rathke, Louan B. *Physical Education*
University of North Carolina, M.Ed.
- Roberts, William S. *Chair, Business*
University of Southern Mississippi, M.S.
- Ross, Mildred W. *Communications*
Florida State University, M.A.
- Ross, Ray H. *Physical Education*
Xavier University, M.Ed.
- Scofield, Edward T. *Social Science*
East Washington State College, M.A.
- Senzig, Ronald *Psychology*
Indiana State University, M.A.
- Sheppard, J. B. *Adult Studies Specialist*
University of Georgia, M.Ed.
- Simmons, Olivia *Adult Basic Education*
University of South Alabama, M.S.
- Sims, Lulu S. *Reading*
University of West Florida, B.A.
- Stegall, Mary L. *Psychology*
University of North Carolina, M.S.
- Szuch, Paul J. *Occupational Specialist—Business*
University of Southern Mississippi, M.Ed.
- Thompson, Cheryl *Music*
North Texas State University, M.M.
- Tidwell, L. G. *Librarian*
George Peabody College for Teachers, M.L.S.

- * Weber, Carmen R. *Communications*
 Tulane University, M.A.
- Wilson, C. M. *Education*
 University of Florida, M.Ed.
- Wolfgang, Rebecca *Biology*
 University of Alabama Medical Center, Ph.D.
- Yarnall, Joy P. *Communications*
 University of West Florida, M.A.
- Yoder, Ralph S. *Brick and Blocklaying*
- Zimmer, Roswitha *Chemistry*
 Institute of Technology, Munich, West Germany, Ph.D.

* Leave of Absence 1972-73

OFFICE PERSONNEL

Alford, Paula	Library
Bailey, Vera	Institutional Research Office
Beamer, Harry	Bookstore
Bessette, Betty	Comptroller's Office
Black, June	Library
Bledsoe, Hilda M.	Military Educational Services
Brocketto, Charles E.	Comptroller's Office
Broome, Donna	Business/Music Departments
Busbee, Ida L.	Science Building
Calfee, Anna	Facility Services
Campbell, James W.	Data Systems
Cunningham, June	Admissions Office
Davenport, Clayton	Bookstore
Edge, Jackie	Personnel Office
Edmondson, Mary	Student Services
Freeken, Mildred	Audio Visual
Girvin, Paul W.	Procurement Office
Hall, Garland	Procurement Office
Hall, Pat	Chautauqua Neighborhood Center
Hare, Deborah	Data Processing
Havis, Lillian	Data Processing
Hensley, Spencer	Materials Center
Howze, Barbara	Registrar's Office
Jordan, Josephine	Registrar's Office
Lamica, Shirley Sue	Student Services
Lane, Carldeen	Library
Lichtenfelt, Darlene	Materials Center
Longaker, Lowell	Audio Visual
Maxwell, Carol	Child Development Educational Center
McDonald, Anna B.	Library
Nelson, Ann R.	Registrar's Office
Olson, Kippy Jo.	Procurement Office
Perry, Inge A.	Student Services Office
Peters, Martha W.	Library
Phelps, Ethel	Registrar's Office
Rowell, Barbara	Comptroller's Office
Ruffin, Bonnie	Administrative Services
Shermer, Naomi	Nurse

Skaggs, Beverly	<i>Learning Resources Center</i>
Sorrells, Peggy	<i>Comptroller's Office</i>
Steele, Sylvia K.	<i>Information Services Office</i>
Stephenson, Elma L.	<i>Information Services Office</i>
Templeton, Joyce	<i>President's Office</i>
Webber, Sandra	<i>Comptroller's Office</i>
Wilhelm, Donna	<i>Learning Resources Center</i>
Willis, Jimmy W.	<i>Data Processing</i>
Wysong, Louise F.	<i>Comptroller's Office</i>

PLANT OPERATIONS

Adams, Vivian	<i>Maid</i>
Baker, Murdene	<i>Maid</i>
Baldwin, Willie Lee, Jr.	<i>Grounds</i>
Banks, Viola D.	<i>Maid</i>
Barnes, Tom J.	<i>Maintenance</i>
Ciastko, Walter J.	<i>Custodian</i>
Craven, Russell	<i>Custodian</i>
Davis, Anthony	<i>Custodian</i>
Etzwiler, Ben A	<i>Custodian</i>
Gipson, Willard Lee	<i>Landscaping Technician</i>
Hoffman, Frederick	<i>Custodian</i>
Holmes, Marion	<i>Grounds</i>
Jackson, Jarvis W.	<i>Grounds</i>
Jenkins, Francis	<i>Assistant Maintenance Man</i>
Johnson, Bethel	<i>Maid</i>
Johnson, Wayne Ben	<i>Custodian</i>
Lee, James D.	<i>Head Custodian</i>
Lewis, Alex	<i>Custodian</i>
Lingerfelt, Ruby Lou	<i>Maid</i>
McGhee, Durward M.	<i>Grounds</i>
Mihalcik, Joseph	<i>Operational Specialist</i>
Montijo, Rudolph	<i>Maintenance</i>
Perfect, Moore C.	<i>Head Grounds Man</i>
Pritchett, L. Z.	<i>Custodian</i>
Rooks, Ada B.	<i>Maid</i>
Sterling, Ethel	<i>Maid</i>
Stevens, Edward C.	<i>Operational Specialist</i>
Vass, Bernard	<i>Custodian</i>
Williams, Cornell	<i>Head Custodian</i>
Williams, John W.	<i>Custodian</i>
Woodin, George	<i>Coordinator of Facility Services</i>

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REQUEST FOR INFORMATION

(Date)

Admissions Office
Okaloosa-Walton Junior College
Niceville, Florida 32578

Please forward application forms to me for enrollment in Okaloosa-Walton Junior College. The following information will indicate my interests and my stage of educational development.

1. I have completed (check highest level):

- _____ elementary school
- _____ high school
- _____ some college studies
- _____ bachelor's degree
- _____ some graduate studies
- _____ a graduate degree

2. I would like to enroll as a:

- _____ Day Student (_____ part-time; _____ full-time)
- _____ Evening Student

3. My interest is in the following kind of continuing study (please state): _____

Name (Please Print) _____

Signature _____

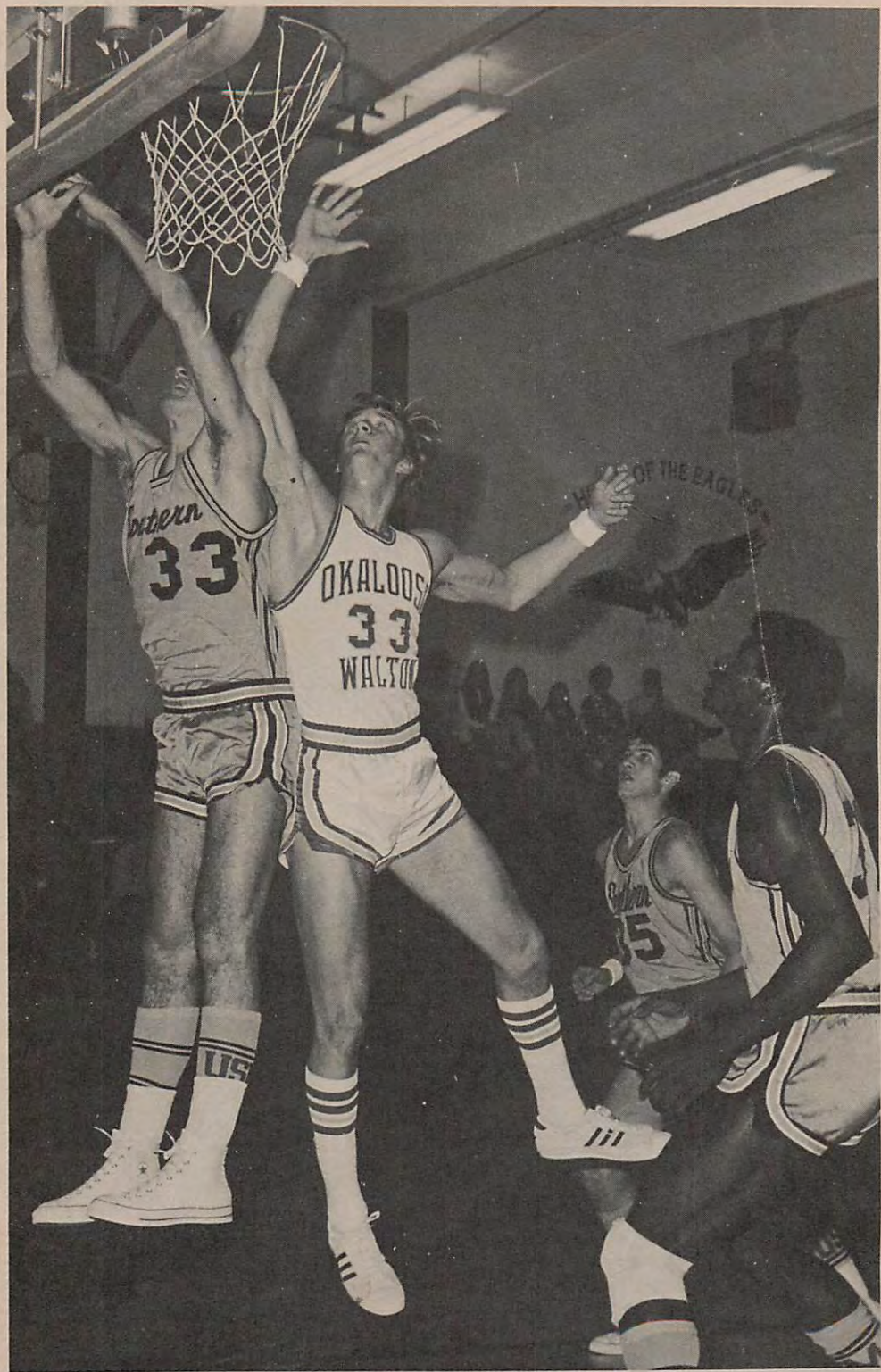
Address _____

(Street or P. O. Box)

(City)

(State)

(Please tear off and fold this page for mailing)





Mrs. W. S. Bronson
#321 Maison deVille Apts.
Gulfport, Mississippi 39501