

1966-67

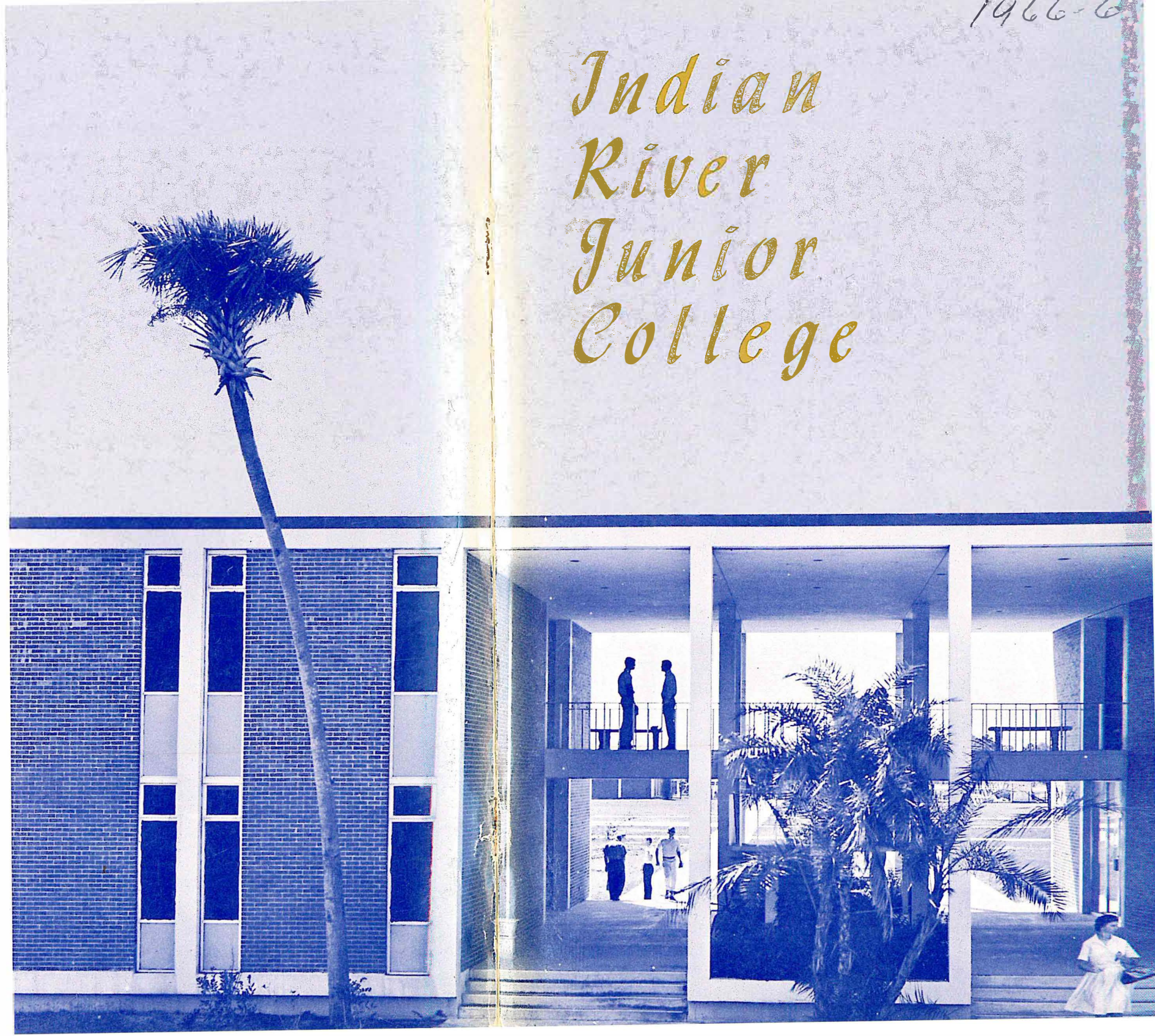
Indian River Junior College

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Vice President/Provost-Ft. Pierce
INDIAN RIVER COMMUNITY COLLEGE

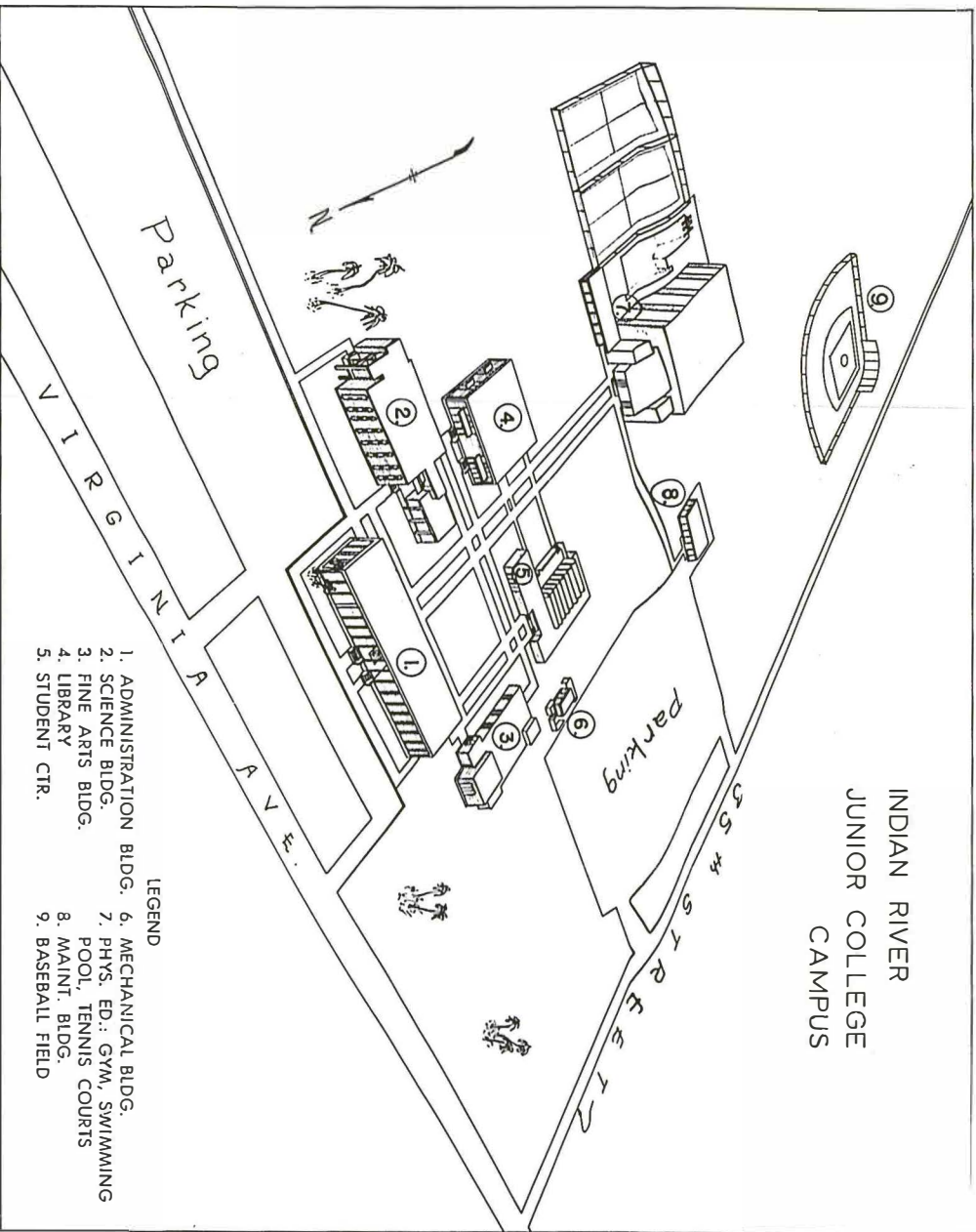
3209 Virginia Avenue
Ft. Pierce, Florida 34981

Indian River Junior College

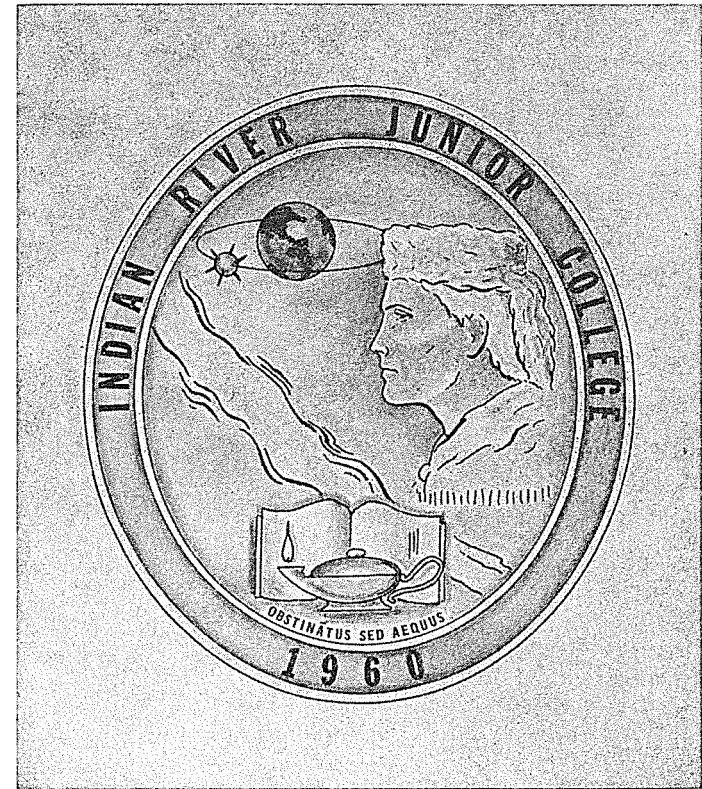
Fort Pierce
Florida
1966 - 1967



INDIAN RIVER
JUNIOR COLLEGE
CAMPUS



- LEGEND
- 1. ADMINISTRATION BLDG.
 - 2. SCIENCE BLDG.
 - 3. FINE ARTS BLDG.
 - 4. LIBRARY
 - 5. STUDENT CTR.
 - 6. MECHANICAL BLDG.
 - 7. PHYS. ED.; GYM, SWIMMING POOL, TENNIS COURTS
 - 8. MAINT. BLDG.
 - 9. BASEBALL FIELD



FORT PIERCE, FLORIDA

COLLEGE CATALOG

1966-1967

A Community Junior College supported by the State of Florida and the Counties of Indian River, Martin, Okeechobee, and St. Lucie. Accredited by the Southern Association of Colleges and Schools.

VOL. 7

NO. 7

MAY, 1966

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CALENDAR 1966 - 67

FALL SEMESTER

Aug. 1, Mon.	—Last date to make application for the Fall Semester.
Aug. 1-5, Mon.-Fri.	—Pre-registration of new students.
Aug. 8-12, Mon.-Fri.	—Pre-registration of new students.
Aug. 17, Wed.	—Orientation of new students.
Aug. 18, Thurs.	—Registration for returning students.
Aug. 19, Fri.	—Registration for new students.
Aug. 22, Mon.	—All credit classes begin. Late registration fee of \$10.00 charged after this date.
Aug. 29, Mon.	—Last day a student may register or add courses for the Fall Semester.
Sept. 5, Mon.	—Labor Day Holiday.
Sept. 6, Tues.	—Classes resume. Last day to drop classes. A \$1.00 fee will be charged for each course dropped after this date unless the student is withdrawing from the college.
Sept. 7, Wed.	—Adult Community Service Program begins.
Sept. 19, Mon.	—Last day a student may change from credit to audit or from audit to credit.
Oct. 13, Thurs.	—Mid-semester advisory grades.
Oct. 19, Wed.	—Last day a course may be dropped with a grade of "W."
Nov. 11, Fri.	—Veterans' Day Holiday.
Nov. 24-25, Thurs.-Fri.	—Thanksgiving Holidays.
Nov. 28, Mon.	—Classes resume.
Dec. 12-14, Mon.-Wed.	—Semester Exams. End of Semester.
Dec. 16, Fri.	—Graduation.

SPRING SEMESTER 1967

Jan. 2, Mon.	—Registration for all students.
Jan. 3, Tues.	—Registration for all students.
Jan. 4, Wed.	—All credit classes begin. Late registration fee of \$10.00 charged after this date.
Jan. 11, Wed.	—Last day a student may register or add courses for the Spring Semester.

- Jan. 18, Wed. —Last day to drop classes. A \$1.00 fee will be charged for each course dropped after this date unless the student is withdrawing from the college.
- Jan. 25, Wed. —Adult Community Service Program begins.
- Jan. 31, Tues. —Last day to change from credit to audit or from audit to credit.
- Feb. 24, Fri. —Mid-semester advisory grades.
- Mar. 2, Thurs. —Last day a course may be dropped with a grade of "W."
- Mar. 24, Fri. —Spring Holiday.
- Mar. 27, Mon. —Spring Holiday.
- Mar. 28, Tues. —Classes resume.
- Apr. 24-26, Mon.-Wed. —Semester Exams. End of Semester.
- Apr. 30, Sun. —Baccalaureate.
- May 1, Mon. —Commencement.

SUMMER TERM I 1967

- May 1, Mon. —Registration.
- May 2, Tues. —All credit classes begin. Late registration fee of \$10.00 charged after this date.
- May 3, Wed. —Last day a student may register or add courses for Summer Term I.
- May 5, Fri. —Last day to drop classes with a grade of "W."
- June 13, Tues. —Final Exams. End of Term.

SUMMER TERM II 1967

- June 12, Mon. —Registration for returning students.
- June 13, Tues. —Registration for new students.
- June 14, Wed. —All credit classes begin. Late registration fee of \$10.00 charged after this date.
- June 15, Thurs. —Last day a student may register or add courses for Summer Term II.
- June 19, Tues. —Last day to drop classes with a grade of "W."
- July 4, Tues. —Independence Day Holiday.
- July 5, Wed. —Classes resume.
- July 27, Thurs. —Final Exams. End of Term.
- July 28, Fri. —Graduation.

SPEECH AND THEATRE

- Eh. 120. Fundamentals of Speech. 3 credits.**
Study and training in the basic skills required for public speaking, including the areas of voice control, bodily action, and choice and preparation of speech material. Continuous practice in application of speech techniques and critical listening. No prerequisite.
- Eh. 121. Fundamentals of Speech. 3 credits.**
A continuation of Eh. 120. Study of the structuring and development of speech material of the specific nature, the most effective delivery techniques, and the methods of preparing for and handling the open forum and the question-answer period. Specific emphasis on the persuasive speech, with some attention to group discussion. Prerequisite: Eh. 120 or permission of instructor.
- Eh. 135, 136, 237, 238. Forensic Activity. 1 credit. 3 hours.**
Active participation in one or more Forensic Activities in on-campus and off-campus events: Debate, oral Interpretation, Persuasive Speaking, Extemporaneous Speaking, Readers' Theatre. No prerequisite.
- Eh. 130, 131, 230, 231. Theatre Workshop. 1 credit. 3 hours.**
Fall production work in technical areas, front-of-house and on-stage acting duties. Projects in theatre production, technical crew work, and TV production. No prerequisite.

SURVEYING

- Sur. 201. Elementary Surveying. 3 credits.**
Field use of surveyor's instruments — surveyor's chain, rods, level, transit-adjustment of instruments, running traverses, keeping field notes, preliminary stadia, closing surveys and calculating areas. Prerequisite: Permission of instructor.
- Sur. 202. Advanced Surveying. 3 credits.**
Continuation of Sur. 201, involving running, traverses, topographic surveys, cross-sections, and profiles, circular and parabolic curves, and staking grades. Prerequisite: Sur. 201.

INDIVIDUAL PROBLEMS

- 290. Individual Problems. 3 credits.**
A special course designed to offer course work of an advanced nature, in any major field, that is not offered in any course listed in the catalog. Prerequisite: Permission of instructor.

SOCIAL SCIENCE

- Soc. 150. Introduction to Sociology. 3 credits.**
Human Society: Social relations, social organization, and social institutions. No prerequisite.
- Soc. 151. Social Problems. 3 credits.**
The causes and proposed solutions of contemporary social problems: suicide, mental disease, personal demoralization, delinquency, crime, family disorganization, divorce, minority groups, economic security, war, health, education, and population growth. Prerequisite: Soc. 150.
- Soc. 201. Marriage and Family Adjustments. 3 credits.**
Preparation for marriage — with emphasis on dating, marriage, and early marital adjustment, parenthood, family crises. Prerequisite: Sophomore standing or permission of instructor.
- Scs. 211. Introduction to the Social Sciences. 3 credits.**
The interrelationships among the various social sciences contributing to everyday life. Prerequisite: Sophomore standing or permission of instructor.

SPANISH

First-year language courses are intended for students who have had no previous formal instruction in the language. Students with two years of high school study normally enter the second-year courses.

- Span. 101. Elementary Spanish. 3 credits.**
Grammatical precepts regarding the phonetic principles of the language, verb formation and use, sentence structure, reading and translation of simple prose selections. No prerequisite.
- Span. 102. Elementary Spanish. 3 credits.**
Continuation of Span. 101. Emphasizing translation in speaking and writing. Prerequisite: Span. 101.
- Span. 201. Introduction to Hispanic Civilization. 3 credits.**
Readings in the literature and cultural history of the Hispanic countries. Brief review of grammar. Prerequisite: Span. 102 or equivalent.
- Span. 202. Introduction to Hispanic Civilization. 3 credits.**
Continuation of Spanish 201. Prerequisite: Span. 201.
- Span. 213. Intermediate Spanish. 2 credits.**
Life in Spanish countries, conducted in the language. Prerequisite: Span. 102.
- Span. 214. Intermediate Spanish, Conversation and Pronunciation. 2 credits.**
Continuation of Spanish 213. Prerequisite: Span. 213.

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M.Ed., Washington University
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M.S., University of Denver

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M.S.A., University of Florida
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M.S., Florida State University
Brown, Mary C.....*Mathematics*
M.S., University of Kentucky
Conklin, Robert Jr.....*Electronics – Mathematics*
B.S., University of Florida
Corvey, Lane.....*English – Speech – Theatre*
M.F.A., Art Institute of Chicago
Dohmeier, Elaine P.....*Nursing*
B.S., University of Washington
Dolozik, Imogene R.....*English*
M.A., University of Illinois
Floyd, Vernon H.....*Physical Education*
M.A., Indiana University
Gentry, Dixie G.....*Business – Accounting*
M.Ed., University of Florida
Granger, Donald L.....*Education*
M.Ed., Washington University
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M.S., Purdue University
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M.S., New Mexico Highlands University
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M.S., The Ohio State University
Jordan, Lyndall.....*Cosmetology*
Keller, Helen B.....*English – Humanities*
M.A., University of Georgia
Kemp, Adella G.....*Physical Education*
M.Ed., Bowling Green State University
Martin, Edwin P.....*Art – Humanities*
M.F.A., Florida State University
Maser, Louis L.....*Music – Humanities*
M.M., University of Kansas
Mausert, Geneva.....*English*
M.A., Florida State University

Phys. 202. General Physics. 4 credits. 3 hours lecture; 3 hours lab.
A continuation of Phys. 201. Prerequisite: Phys. 201.

Phys. 203. Physics for Engineers. 4 credits. 3 hours lecture. 3 hours lab.
A calculus approach to physics mechanics, heat, and sound. Prerequisite: Ms. 205.

Phys. 204. Physics for Engineers. 4 credits. 3 hours lecture; 3 hours lab.
A continuation of Phys. 203 including electricity, magnetism, and radiation. Prerequisite: Phys. 203.

POLITICAL SCIENCE

Pcl. 201. American Government. 3 credits.
The constitutional basis, organization, and functions of the National Government, emphasizing the Declaration of Independence, the Constitution, the three branches of federal government, political parties, pressure groups, and current problems. Prerequisite: Sophomore standing.

Pcl. 202. State and Local Government. 3 credits.
Historical, social, and legal basis of local and state government in the United States; the administrative methods and machinery of local and state governmental systems with special emphasis on Florida. Prerequisite: Sophomore standing.

PSYCHOLOGY

Psy. 101. Essential Psychology for Modern Society. 2 credits.
Practical applications of psychology to adjustment to college and life, including effective study habits, test-taking, and Educational and vocational planning. Guidance toward self-understanding through psychological testing and interpretation. No prerequisite.

Psy. 201. Introduction to Psychology. 3 credits.
Fundamentals, facts and laws of psychology and their applications to the understanding of human behavior, the relation of psychology to other fields, and the various problems and fields of psychology. Given without laboratory experiments. No prerequisite.

Psy. 205. Educational Psychology. 3 credits.
Theories of learning and the literature dealing with education from pre-school to college level, including principles of development, learning, motivation, problem solving, individual differences, adjustment, guidance and measurement. No prerequisite.

Nurs. 204. Obstetrics and Pediatric Nursing Laboratory. 4 credits. 12 hours.

Clinical laboratory experience designed to provide the student with patient contact. Corequisite: Nurs. 203.

Nurs. 205. Psychiatric Nursing Laboratory. 3 credits. 9 hours.

Principles of patient care dealing with mental illness. Emphasis is placed upon the more common psychiatric conditions; terminology; treatment; and nursing care. Prerequisite: Nurs. 204.

Nurs. 206. Psychiatric Nursing Laboratory. 3 credits. 9 hours.

Clinical laboratory experience designed to provide patient contact.

Nurs. 207. Nursing Seminar. 3 credits.

Current developments in the field of nursing. Emphasis will be placed upon the responsibility of the nurse; legal aspects of nursing; and advanced nursing care. Corequisite: Nurs. 206.

PHILOSOPHY

Ppy. 150. Introduction to Philosophy. 3 credits.

Basis types of World View from Plato to James. Prerequisite: Sophomore standing or permission of instructor.

Ppy. 160. Ethics. 3 credits.

Traditional ethical theories from Plato to W. D. Ross. Prerequisite: Sophomore standing or permission of instructor.

PHYSICAL SCIENCES

Phy. 101. Physical Science. 4 credits. 3 hours lecture; 2 hours lab.

Fundamentals of the mathematics of science, motion, forces, work, energy, and electricity.

Phy. 102. Physical Science. 4 credits. 3 hours lecture; 2 hours lab.

A continuation of Phy. 101 including the structure of matter, changes in matter, and the structure of the earth. Prerequisite: Phy. 101.

Phy. 105. Astronomy. 3 credits.

The methods and instruments used by astronomers; understanding the earth as an astronomical body; and the solar system and its relation to the galaxy. No prerequisite.

PHYSICS

Phys. 201. General Physics. 4 credits. 3 hours lecture; 3 hours lab.

A non-calculus approach to physics emphasizing the quantitative aspects of mechanics, heat, electricity, sound, light, atomic structure, and nuclear energy. Recommended prerequisite: Ms. 106.

Molnar, Angelita G. _____ *Spanish*

M.A., Columbia University

Moore, Robert M. _____ *Psychology — Counselor*

M.M., Cincinnati Conservatory of Music

Paige, Margaret _____ *Business*

M.S.Ed., Indiana University

Pfaff, Robert M. _____ *History — Social Science — Geography*

M.A., Northeast Missouri State Teachers College

Quick, Joyce F. _____ *Biology*

M.A., DePauw University

Randall, Harry D. _____ *History*

M.A., Stetson University

Seaber, Ellen, J. _____ *Psychology — Counselor*

M.P.H., University of Florida

Sigurdson, William A. _____ *Graphics*

M.Ed., Texas Agricultural & Mechanical University

Stanley, Philip L. _____ *Health — Physical Education*

M.A.Ed., Eastern Kentucky State College

Strong, Blondell M. _____ *Librarian*

B.S., Tennessee Agricultural & Industrial State University

Theodore, John D. _____ *Business — Economics*

M.A., Western Kentucky State College

Williams, James K. _____ *Sociology*

M.A., University of Tennessee

Woodall, Reginald _____ *English*

M.A., University of Alabama

NON-INSTRUCTIONAL PERSONNEL

Burdge, Constance R. (Mrs.) — *Secretary to Dean of Academic Affairs*

Fix, Louise M. (Mrs.) _____ *Bookkeeper*

Hall, Betty (Mrs.) _____ *Secretary, Library*

A.A., Indian River Junior College

Hogan, Idell (Mrs.) _____ *Secretary to the Administration Dean*

A.A., Lincoln Junior College

Hoskins, Mabel (Miss) _____ *Secretary to the President*

B.S., West Virginia University

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Lacey _____ *Head Custodian*

Mimms, Francenie (Mrs.) _____ *Secretary, Library*

Rice, Alan B. _____ *Bookkeeper*

Thornton, Mary (Mrs.) _____ *Secretary to the Dean of the College*

Whitenight, Mildred (Mrs.) _____ *Secretary to Director of Adult*

Education

Woods, Mary E. (Mrs.) _____ *Assistant to Registrar*

HISTORY

Indian River Junior College was authorized by law during the 1959 Session of the Florida Legislature. The college was established to serve the four-county area of Indian River, Martin, Okeechobee, and St. Lucie Counties and is administered by the Board of Public Instruction of St. Lucie County. An Advisory Board composed of prominent men and women from the four counties serves in an advisory capacity to the President and the St. Lucie County School Board on matters of policy concerning the college.

The first College President, Dr. Maxwell C. King, was appointed on January 1, 1960, to organize and develop the college program. First classes were held in September, 1960, in temporary facilities located on Preston Court in Fort Pierce.

In 1963 the college moved to its permanent campus, located on a 65 acre tract at Virginia Avenue and 35th Street. The land for the permanent college site was donated to the college by the City of Fort Pierce.

The spirit of cooperation between the governmental bodies of the four counties and the Board of Public Instruction of St. Lucie County has led to the success of this new Community Junior College.

The college now has six major and three auxiliary buildings set on a beautiful campus.

OBJECTIVES OF THE COLLEGE

To meet the needs of education in our community beyond the high school level, the Indian River Junior College has the following general objectives:

1. to serve as a center to foster cultural development in the college community
2. to provide two years of college work acceptable for transfer to a four-year college or university
3. to provide programs that will fit the students for employment in industry and business in this area
4. to provide suitable courses for adult students who wish to further their education, to improve their personal or business efficiency, or to enrich their cultural lives.

FACILITIES

ADMINISTRATION, CLASSROOMS, AND LABORATORIES

The campus is located in the southwest area of Fort Pierce between 30th and 35th Streets on Virginia Avenue. The present campus

Mu. 115, 116, 215, 216. Stage Band and Concert Band. 1 credit. 3 hours.

Various styles of Instrumental music in practice and performance. Open to instrumental players in the college and community. Prerequisite: Knowledge and skill on the instrument.

Mu. 150, 151, 250, 251. Applied Music. 1 credit.

Private instruction in voice or instrument, approved by the College. A one-half hour private lesson a week is required in addition to five hours of practice. No prerequisite.

Mu. 210. Theory of Music II. 3 credits. 5 hours.

Advanced work in part-writing, sight-singing, and diction. Harmonization of chorales. Introduction to original composition. Prerequisite: Mu. 111.

NURSING SCIENCE

Nurs. 101. Fundamentals of Nursing. 3 credits.

Designed to develop beginning skills and understanding of the care and knowledge required to give total patient care. Includes basic concepts of asepsis; drug preparation and administration; pharmacology; nutrition; body mechanics; community health resources; and nursing history. No prerequisite.

Nurs. 102. Fundamentals Laboratory. 3 credits. 9 hours.

Clinical laboratory experience designed to provide patient contact. Corequisite: Nurs. 101.

Nurs. 201. Medical Surgical Nursing. 5 credits.

Principles of patient care dealing with general medical and surgical conditions. Emphasis is placed on the adult patient in relation to his needs; cause, treatment, and prevention of illness; and the nursing care involved. Emphasis will also be placed upon the area of medical and surgical specialties dealing with ophthalmology, neurology, urology, orthopedics, and communicable diseases. Prerequisite: Nurs. 102.

Nurs. 202. Medical Surgical Laboratory. 4 credits. 12 hours.

A clinical laboratory experience in conjunction with the hospital. It is designed to provide the student with patient contact and the opportunity to practice the principles learned in Nurs. 201. Co-requisite: Nurs. 201.

Nurs. 203. Obstetrics and Pediatric Nursing. 5 credits.

Principles of patient care dealing with obstetrics and pediatrics. Emphasis is placed on growth and development (from conception to geriatrics;) maternal and infant care; and the care of children. Prerequisite: Nurs. 202.

Ms. 120. Elementary Statistics. 3 credits.

Variability, permutations, combinations, binomial theorem, general theory of probability for finite sample spaces, random variables, joint distribution and continuous distribution, binomial distribution, statistical applications of probability. Prerequisite: Ms. 105 or a higher mathematics course.

Ms. 205. Analytic Geometry and Calculus I. 5 credits.

Includes relations and functions, limits, continuity, derivatives, applications of the derivative, definite integrals, areas under a curve, volumes of solids of revolution, work, transcendental functions, indefinite integration, projectiles, arc length, surface area of revolution. Prerequisite: Ms. 108, or Ms. 106 and Ms. 107 with a C or better.

Ms. 206. Calculus II. 5 credits.

Includes curvature, Taylor's series, solid analytic geometry, partial differentiation, multiple integrals, cylindrical and spherical coordinates, center of mass, moments of inertia, L'Hospital's rules, improper integrals, infinite series. Prerequisite: Ms. 205 with a C or better.

Ms. 207. Calculus III. 5 credits.

Includes linear differential equations with constant coefficients, determinants and matrices, complex variables, differential equations of other types, gamma function, beta function, vector algebra and vector calculus. Prerequisite: Ms. 206 with a C or better.

MUSIC

Mu. 105, 106, 205, 206. College Chorale. 1 credit. 3 hours per week.

Ensemble including the study of choral works from the Sixteenth Century to current musical comedy. Voice production, diction, and the development of musical taste are included. Attendance at extra rehearsals and four concert performances are required. No prerequisite.

Mu. 110. Theory of Music I. 3 credits. 5 hours.

An intensive study of the materials of music; notation, time and rhythm, chord structure. Ear-training, sight-singing, harmonic dictation, keyboard harmony. Prerequisite: Ability to play piano or comparable experience in band or glee club.

Mu. 111. Theory of Music I. 3 credits. 5 hours.

A continuation of Mu. 110. Prerequisite: Mu. 110.

consists of nine buildings; the Administration-Classroom building, the Science Building, the Library, the Student Center, the Fine Arts Building, the Gymnasium, a maintenance building, the Mechanical Equipment Building, and the Physical Education Building.

All buildings are completely air-conditioned and are equipped with the latest in modern teaching aids and equipment. In addition to the buildings, an olympic sized swimming pool, tennis courts, baseball diamond and other athletic facilities are located on the campus.

LIBRARY

In the library there is a rapidly growing collection of reference books, periodicals and newspapers, pamphlets, and circulating books to meet the academic needs and recreation interests of the students and faculty. Open stacks are maintained to give students access to the entire book collection. Audio-visual equipment and materials are available through the library for classroom use. A circulating record collection is being developed.

Library instruction is given to all entering students as a part of the orientation program.

The library is open daily and in the evenings during the regular academic school year and during the summer sessions.

BOOKSTORE

The College Bookstore is conveniently located in the Student Center and has textbooks and classroom supplies for students. Both new and used books are available with the cost varying from \$35 to \$100 per year for a full-time student. The students may re-sell their books to the Bookstore provided they are in good condition and will be used by the college for the next semester.

STUDENT CENTER

The Student Center, conveniently located in the center of the campus, provides a lounge, recreational area, snack bar, student government and publications offices and the Pioneer Book Store. Student social activities as well as assemblies for the entire student body are held in this building. Lunches are served in the Student Center.

HOUSING

The college assumes no responsibility for student housing; however, listings for private rentals are made available through the student personnel office. Apartment-dormitory facilities, owned and oper-

ated by a private organization, are available within close proximity to the campus.

Students arriving from out of state or out of the 4 county area are advised to arrive at least a week early in order to obtain suitable accommodations.

ADMISSIONS PROCEDURES AND REQUIREMENTS

PROCEDURE

Students desiring to enroll in Indian River Junior College should write, phone, or visit the college to request an application for admission. The completed application, along with the student's high school or college transcript, must be filed with the Registrar well in advance of the time of registration in order to insure admission of the student. Students must meet the deadline for the filing of applications as established in the college catalog. Generally the deadline for the fall semester is August 1.

No student is formally registered until all of the following papers are available to the college officials:

Application for Admission, with \$10.00 application fee

Health Certificate (for all persons enrolling in a Physical Education course)

Small photograph or snapshot of student.

Transcript of high school or college record.

REQUIREMENTS

1. Students entering college for the first time:

- a. Graduation from an accredited high school, or the equivalent (as evidenced by the issuance of a certificate or diploma of high school equivalency by the Florida State Department of Education or a similar agency of another state) is required.
- b. Graduates of non-Florida high schools and others who do not meet the requirements above may establish eligibility for admission only by approval of the Admissions Committee. If approved by the Admissions Committee, they will be admitted under the condition as specified by the committee.
- c. A transcript of high school record, G.E.D. equivalency, or photostat of diploma must be on file with the college.
- d. A health certificate is required of all persons taking a course in physical education.

Ms. 102. Slide Rule. 1 credit.

Emphasis on speed and accuracy with use of the fundamental scales. Topics include multiplication, division, squaring, cubing, taking square roots and cube roots, using trigonometric and log scales to solve special problems. Prerequisite: Ms. 107 or high school trigonometry.

Ms. 103. Technical Mathematics I. 3 credits.

Fundamentals of mathematics applied to modern technology including slide rule, scientific notation, and basic topics in Algebra. No prerequisite.

Ms. 104. Technical Mathematics II. 3 credits.

A continuation of Ms. 103. Topics include exponentials, logarithms, trigonometry, complex numbers, and vectors. Prerequisite: Ms. 103 or Ms. 106.

Ms. 105. Foundations of Mathematics. 3 credits.

Designed to give some insight into the nature and structure of mathematics, including symbolic logic, stressing arguments and proofs; introduction to set theory, building up to groups, rings and fields; number sets, natural number system, integers, rational numbers, real number system; equations and inequalities, relations and functions. No prerequisite.

Ms. 106. College Algebra. 3 credits.

Sets and functions, graphs, binary operations, mathematical inductions, real numbers system, complex number system, matrices, linear inequalities, sequences, limit of a sequence. Prerequisite: Ms. 105 or satisfactory score on Placement Test.

Ms. 107. Plane Trigonometry. 3 credits.

A study of angles, functions of the general angle, logarithms, radian measure, identities, trigonometric equations, graphing trigonometric functions, addition formulas, polar coordinates, inverse trigonometric functions, complex numbers. Prerequisite: Ms. 105 or satisfactory score on Placement Test; may be taken concurrently with Ms. 106.

Ms. 108. College Algebra and Trigonometry. 5 credits.

Includes topics in Ms. 106 with full treatment of the circular trigonometric functions, reduction formulas, graphs, logarithmic and exponential function, addition formulas, groups, isomorphisms, properties of rings, properties of fields. Prerequisite: Ms. 105 with C or better or satisfactory score on Placement Test.

- Hy. 202. American History. 3 credits.**
Continuation of Hy. 201. From Reconstruction to the present day
Prerequisite: Hy. 201 or permission of instructor.
- Hy. 250. Survey of the Modern Orient. 3 credits.**
Growth and development of Oriental culture. Emphasizing the events which shaped contemporary Far Eastern powers. Prerequisite: Sophomore standing.

HUMANITIES

Not more than two of these courses should be taken concurrently without permission of the office of the Dean of Student Personnel.

- Hs. 201. (Art) Humanities. 2 credits.**
A survey of painting, sculpture, architecture and other related art forms, including aesthetic, historical and technical significance of major artistic achievements. Prerequisite: Sophomore or pre-engineer freshman standing or permission of instructor.
- Hs. 202. (Literature) Humanities. 2 credits.**
A survey of the literature of Western Civilization designed to increase the student's understanding of the significant ideas of his culture, from a literary point of view. Prerequisite: Eh. 102 or permission of instructor.
- Hs. 203. (Music) Humanities. 2 credits.**
The basic elements of musical properties, forms, and styles. Emphasis in the representative relationship of the great periods in music and composers to parallel eras in other arts, religion, and philosophy. Prerequisite: Sophomore or pre-engineer freshman standing or permission of instructor.
- Hs. 204. (Philosophy) Humanities. 2 credits.**
Major philosophies of the western world with emphasis on understanding and appreciating the role philosophy has played in western cultural development. Prerequisite: Sophomore standing or permission of instructor.

MATHEMATICS

A mathematics placement examination will be administered to all Freshmen. Students will be placed according to this test in the appropriate mathematics course.

- Ms. 101. Structure of Arithmetic. 2 credits.**
Introduction to the designed basic concepts in modern mathematics, including sets, whole numbers, numeration systems, logarithms for operations with whole numbers, rational numbers, and number sentences. No prerequisite.

- e. All admissions requirements must have been satisfied prior to the last day of any semester or session for registration as set forth in the calendar of this catalog. Students who have not completed these requirements will be designated as audit (non-credit) students until these requirements have been met.**

2. Transfer Students:

- An applicant who has previously attended or enrolled in any other college or university is considered a transfer student. This student must furnish evidence of an honorable dismissal by the last college or university that he attended. This is usually shown on the college transcript.
- Students whose status from his last college or university was probationary will be admitted only on a probationary status and with no more than a 12 academic semester hour load.
- A student who has been suspended from his previous college for academic deficiencies will not be admitted to Indian River Junior College, until he has completed at least one quarter, trimester, or semester of his suspension period, except when approved by the Admissions Committee through an appeal initiated by the student. This appeal requires a written request and personal interview by the student before the Admissions Committee. Students suspended for other than academic deficiencies must be approved for admission by the Admissions Committee. Students who are enrolled in the above categories are on probation for one semester and are advised that credits earned at Indian River Junior College, while under suspension from another college or university, may not be acceptable as transfer credits to their previous institution. Students are strongly encouraged to correspond with their previous and/or future institutions whenever they are admitted during a suspension period. This procedure will insure transfer status of the credits earned at Indian River Junior College.

3. Audit Students:

An Audit Student is classified as one who is qualified to enroll for credit but does not desire to take the course for credit. The classroom requirements for the Audit Student are the same as for a Credit Student. In special cases, approved by the Admissions Committee, a student may be admitted to a course as an Audit Student who could not normally qualify as a Credit Student. Audit Students will not receive a final semester grade.

4. Teachers taking courses for certification:

A reduced registration fee is provided for teachers of the public

school system in the four cooperating counties who are employed on a full-time basis. Many teachers will find that Indian River Junior College offers courses which will enable them to meet the State of Florida Certification requirements. The college assumes no responsibility however, for determining which courses will satisfy the individual teacher requirements for certification. The college may advise the teacher, but it is the sole responsibility of the individual to insure that courses taken for certification meet the requirements with the Certification Department of the State Department of Education. Early correspondence with the Certification Department is suggested.

For the teacher's convenience, an abbreviated, one-page application is provided which requires the signature of the Superintendent of the Board of Public Instruction.

5. Foreign Students:

A foreign student is classified as one who has not taken out first papers for United States Citizenship.

- a. He must meet the requirements as outlined above except in unusual cases where it is impractical to obtain a high school or college transcript. Special evaluation of the student is given in such cases.
- b. He must be able to read and write the English language fluently.
- c. Foreign students are urged to apply at least three months prior to registration date to insure proper processing with the United States Immigration Department.

6. Summer Term Students:

Students entering the Summer Terms must meet the same academic requirements as students for the regular sessions. Students who regularly attend college at another institution may have a "statement of good standing" from that college forwarded to Indian River Junior College in lieu of a formal application and transcript. This statement should include the courses in which the student is permitted to enroll. It is the responsibility of the student to determine with his parent college which courses will meet what requirements of that institution.

VETERANS EDUCATION

Indian River Junior College has been approved for the training of Veterans. With the passage of recent legislation, many Veterans will begin enrolling in the Fall Semester, 1966. The Veterans are encouraged to communicate with the Veterans Administration head-

P.E. 107. Team Sports for Men. 1 credit. 2 hours.

P.E. 112. Survival-Swimming and Golf. 1 credit. 2 hours.
Basic water survival skills, the drownproofing technique and basic swimming strokes. Skills and understandings basic to an appreciation of golf.

P.E.R. 122. Life Saving. 1 credit. 2 hours.
Red Cross Life Saving Course with survival skills and drownproofing. Prerequisite: P.E. 112 or permission of instructor.

P.E.R. 203. Tennis and Badminton. 1 credit. 3 hours.

P.E.R. 204. Folk, Social and Square Dance. 1 credit. 3 hours.

P.E.R. 205. Archery and Bowling. 1 credit. 3 hours.

P.E.R. 206. Team Sports for Women. 1 credit. 3 hours.

P.E.R. 207. Team Sports for Men. 1 credit. 3 hours.

H.E. 225. Personal Health. 3 credits.
The physiological and psychological bases for health; health hazards; fitness; and family living.

HISTORY

Hy. 101. History of Western Civilization. 3 credits.
Development of Western Civilization emphasizing American heritage, tracing characteristic aspects of the civilization of the Western world to the 18th Century. No prerequisite.

Hy. 102. History of Western Civilization. 3 credits.
A continuation of Hy. 101 to the present, emphasizing contemporary civilization and culture. Prerequisite: Hy. 101 or permission of instructor.

Hy. 105, 106. Current Affairs. 1 credit.
Contemporary world events based on current newspapers, periodicals, radio, and television. No prerequisite.

Hy. 170. Florida History. 3 credits.
Florida from the pre-Columbian period to the present including the role of the British, Spanish, and French with emphasis on the period from the U.S. Civil War to the present. No prerequisite.

Hy. 201. American History. 3 credits.
Political, economic, social, and intellectual development of the United States from Discovery of North America through the Reconstruction. Prerequisite: Sophomore standing or permission of instructor.

- G.S. 112. Technical Graphics. 3 credits. 6 hours.**
A continuation of G.S. 111. Axonometric and oblique projection notes and tolerances, threads and fasteners, working drawings and intersections and developments. Prerequisite: G.S. 111.
- G.S. 113. Technical Graphics. 3 credits. 6 hours.**
Advanced graphical areas. Charts and graphs, topography, piping, structures, and gears and cams. Prerequisite: G.S. 111 or G.S. 101.
- G.S. 221. Architectural Drawing. 3 credits. 6 hours.**
General architectural drafting including plot plans, floor plans, elevations, details in frame and masonry construction, and building codes and site locations. Prerequisite: Sophomore standing.
- G.S. 222. Architectural Drawing. 3 credits. 6 hours.**
Perspective and other pictorial drawings of architectural structures. Topics include one and two point perspectives, axonometric and oblique cut-aways and shadow casting. Prerequisite: G.S. 111 or G.S. 101 or approval of instructor.
- G.S. 231. Electrical Drawing. 3 credits. 6 hours.**
Circuit layout and drawing using line and block diagrams, standard symbols, switch board design, schematic wire diagrams of electrical circuits, motors, generators, and electronic circuits. Prerequisite: G.S. 111 or G.S. 101.
- G.S. 241. Machine Design. 3 credits. 6 hours.**
Assembly and detail drawings of simple machines and gear systems including strength and cost calculations.
- G.S. 242. Machine Design. 3 credits. 6 hours.**
Continuation of G.S. 241, including complex mechanisms and problems. Prerequisite: G.S. 241.

HEALTH, PHYSICAL EDUCATION, AND RECREATION

- P.E. 101. Fitness through Physical Activity. 1 credit. 3 hours.**
Development of an appreciation of the values of exercise as well as an understanding of the physiological and sociological factors associated with total fitness.
- P.E. 102. Beginning Swimming. 1 credit. 2 hours.**
Beginning swimming strokes and water safety for the non-swimmer.
- P.E. 103. Tennis and Badminton. 1 credit. 2 hours.**
- P.E. 104. Folk, Social and Square Dance. 1 credit. 2 hours.**
- P.E. 105. Archery and Bowling. 1 credit. 2 hours.**
- P.E. 106. Team Sports for Women. 1 credit. 2 hours.**

quarters of their State (for Florida residents, it is Veterans Administration, Regional Office, Post Office Box 1437, St. Petersburg, Florida) in sufficient time so that necessary applications may be completed prior to registration.

Veterans are reminded that payments are made directly from the Veterans Administration to the student. The College certifies students' enrollment and attendance and periodically reports progress. No student may be authorized to delay payment of fees. To receive full benefits, Veterans must enroll for a minimum of 14 semester hours. Enrolling for less than 14 hours will reduce monthly payments accordingly.

ORIENTATION

All new full-time students are required to participate in the orientation program. The purpose of the program is to acquaint the student with the administrative personnel, faculty, and student leaders. The rules, policies, and privileges of the college, which also are printed in the Student Handbook, are discussed. Informal social activities with fellow students and faculty members are included in the program of orientation.

Students will be advised well in advance when to report to the college for orientation and academic advising. For the fall semester this may be from 2 to 3 weeks prior to the first classes.

RESPONSIBILITY FOR REGULATIONS

All students are held responsible for the observance of all regulations and policies contained in this catalog. Students are also held responsible for announcements made through the student bulletin and other official publications of the college. Students are encouraged to familiarize themselves with the contents of the entire catalog.

When a student registers for courses at the college, he assumes the responsibility to abide by the rules and regulations of the college.

FEES, TUITION, AND OTHER COSTS

A Florida resident student should be prepared to pay the College approximately \$275-\$300 for the full year (two semesters). Out-of-State and foreign students' costs will vary with room and board; however, their expenses to the College will be approximately \$475-\$500 for two semesters. The foregoing includes all matriculation fees, tuition, special fees, and books, as itemized below:

- I. Fall and Spring Semester — per Semester:
 - A. Full-Time Student (12 semester hours or more)

\$10 – Application Fee. This is required of all students. It is non-refundable and applies only in the semester for which the student originally applies. (This fee is paid only one time, provided the student enrolls for term for which he has applied.) This fee is deducted from the matriculation fee at time of registration.

\$90 – Matriculation Fee.

\$100 – Tuition Fee (for Out-of-State or Foreign Students ONLY).

\$10 – College Activity Fee.

B. Part-Time Student (less than 12 semester hours)

\$10 – Application Fee. Same as above.

\$8 – per semester hour – Matriculation Fee, Florida Residents ONLY.

\$15 – per semester hour – Matriculation Fee, Out-of-State or Foreign ONLY.

\$5 – Registration Fee.

II. Summer Term I and II, per Term:

A. Full-Time Student (6 semester hours or more)

\$48 – Matriculation Fee.

\$50 – Tuition (Out-of-State or Foreign Student ONLY).

B. Part-Time Student (less than 6 semester hours)

\$8 – per semester hour – Matriculation Fee, Florida Residents ONLY.

\$15 – per semester hour – Matriculation Fee, Out-of-State or Foreign ONLY.

\$5 – Registration Fee.

III. Special Fees – applicable to all students, each Semester or Term:

A. Laboratory:

Science _____	\$ 5.00
Ceramics _____	10.00
Painting _____	10.00
Electronics _____	5.00

B. Physical Education _____ 1.25

C. Late Registration _____ 10.00

GEOGRAPHY

Geog. 201. World Geography. 3 credits.

Basic principles of geography, as related to the global distribution of man and his natural environment, stressing the role of geography in interpreting human activities in the economic, cultural, and political areas. No prerequisite.

GERMAN

First-year language courses are intended for students who have had no previous formal instruction in the language. Students with two years of high school study normally enter the second-year courses.

Ger. 101. Elementary German. 3 credits.

Pronunciation, grammar, simple reading and translation, with emphasis on the spoken language. No prerequisite.

Ger. 102. Elementary German. 3 credits.

Continuation of Ger. 101. Prerequisite: Ger. 101.

Ger. 201. Intermediate German. 3 credits.

Introduction to German literature and civilization with review of German grammar. Prerequisite: Ger. 102.

Ger. 202. Intermediate German. 3 credits.

Continuation of Ger. 201. Prerequisite: Ger. 201.

GRAPHIC SCIENCE

Generally, courses numbered GS. 111 and above are designed for the Associate in Science Degree.

G.S. 101. Engineering Graphics. 3 credits. 6 hours.

Basic graphical communications. Use of instruments, lettering, engineering geometry, orthographic projection, sketching, auxiliaries, sections, axonometric and oblique projection, dimensioning, fasteners, and working drawings. No prerequisite.

G.S. 102. Descriptive Geometry. 3 credits. 6 hours.

Spatial relationships of points, lines and planes. Successive auxiliary views, revolutions, intersections, developments, and vector graphics. Prerequisite: G.S. 101.

G.S. 111. Technical Graphics. 3 credits. 6 hours.

Basic graphical communications. Use of instruments, lettering, geometric construction, sketching, orthographic projection, auxiliaries, sections, revolutions, and dimensioning. No prerequisite.

- Eh. 216. English Literature. 3 credits.**
A continuation of English 215, from the Romantic Movement to the present. Prerequisite: Eh. 102 or permission of instructor.
- Eh. 222. Advanced Composition. 3 credits.**
Creative writing skills developed under workshop-lab conditions of group analysis and discussion. Specific techniques in both prose and poetry. Prerequisite: Permission of instructor.
- Eh. 223. Advanced Composition. 3 credits.**
Continuation of Eh. 222. Prerequisite: Permission of instructor.
- Eh. 224. American Literature to 1865. 3 credits.**
Introduction to American literature through American verse and prose, reflecting the motivating ideas in the American scene; attention to literary forms and the development of appreciation. Prerequisite: Eh. 102 or permission of instructor.
- Eh. 225. American Literature After 1865. 3 credits.**
Continuation of English 224 through American verse and prose from 1865 to the present. Prerequisite: Eh. 102 or permission of instructor.
- Eh. 235. Business Communications. 3 credits.**
A comprehensive study of the various areas of business communications including letters, reports, and graphs. Designed for the business administration student. Prerequisite: Eh. 102.

FRENCH

First-year language courses are intended for students who have had no previous formal instruction in the language. Students with two years of high school study normally enter the second-year courses.

- Fr. 101. Elementary French. 3 credits.**
Audio-visual French. Grammar by analysis. Fundamentals of reading and writing. No prerequisite.
- Fr. 102. Elementary French. 3 credits.**
Continuation of Fr. 101. Complex patterns of speech and written language. Prerequisite: Fr. 101.
- Fr. 201. Intermediate French. 3 credits.**
Continuation of French 102. Audio-visual Intermediate French stressing reading, including some literary material, and composition. Prerequisite: Fr. 102 or equivalent.
- Fr. 202. Intermediate French. 3 credits.**
Continuation of French 201. Prerequisite: Fr. 201.

- D. Graduation:
- | | |
|-----------------------|-------|
| Spring Semester _____ | 15.00 |
| Other Terms _____ | 5.00 |
- E. Transcripts (first two are free) _____ 1.00
- F. Course Withdrawal Fee (withdrawal after deadline) — 1.00
- IV. Textbooks — Full-time student's textbooks vary from \$45-\$100 per year. Part-time student's texts vary with each individual course.
- V. All fees for each semester or term are due at time of registration. Credit is not authorized.
- VI. Refunds:
- A. 100% of all fees, except application fee, if withdrawn prior to the first regularly scheduled class day.
- B. 50% of matriculation and tuition fees only, if withdrawn on first through fifth regularly scheduled class day. No other fees are refundable.
- C. Students withdrawing for illness or for the purpose of fulfilling military obligations will not receive any refund except as indicated above.

SCHOLARSHIPS, LOANS, AND STUDENT AID

Many scholarships are made available to students at the College through civic organizations, service clubs, and individual donors. Most of these scholarships are awarded through the student's high school in our four-county area. Students interested in these scholarships should contact their guidance counselor of their high school for information at least six months prior to starting college.

The College has a few scholarships available for award. These scholarships are based on both need and academic ability. Usually, students should have at least a C+ average in high school to qualify. Applications for these limited scholarships may be obtained from the Office of the Dean of Student Personnel.

Indian River Junior College is a participant in the National Defense Student Loan. The purpose of this loan program is to provide financial assistance to all full-time college students who have proof of such need. Special consideration is given to students with a superior academic background and to those expressing a desire to teach in elementary or secondary schools in preparation for science, mathematics, engineering, or a foreign language. Applications are available from the

Dean of Student Personnel. Deadline dates for applications are as follows:

Fall Semester _____ August 1
Spring Semester _____ December 15
Summer Sessions _____ April 1

The College also participates with the Florida Student Scholarship and Loan Commission of the Florida State Department of Education. These loans are limited to residents of the State of Florida and provide only for the payment of registration fees.

The College Work-Study Program (CWSP) is a program which is financed from both local and Federal funds to provide students work who need assistance in order to obtain a college education. Students who qualify under this program are placed both in on-campus and off-campus jobs in positions suitable to their previous training and skills. These jobs include clerical, assistants to instructors, maintenance, library, food service, athletic assistants, and many others. Applications for these positions may be obtained from the Coordinator of Student Activities.

In addition to the students employed under the CWSP, many students are placed in jobs in the community through the Student Placement Office of the Coordinator of Student Activities.

STUDENT PUBLICATIONS AND ACTIVITIES

The college yearbook, "Simoc," and newspaper, "Pioneer Post," are published under the direction of the College publications board.

College Chorale: The College Chorale is a combined activity course for which one semester hour credit is given. The Chorale takes part in assembly programs and makes public appearances deemed appropriate by the Director.

Student Government Organization: The Student Government Organization is composed of elected officers and representatives from the entire full-time student body. The function of this organization is to plan social activities, to present helpful student suggestions to the Administration, to assist in the preparation of the student activities' budget, and to act in an advisory capacity to the student body.

INTRAMURAL SPORTS PROGRAM

The purpose of the Intramural Sports Program is to provide an opportunity for every student to take part in some kind of worthwhile recreational sport or activity.

Eh. 204. Transistor Electronics. 4 credits. 3 hours lecture; 3 hours lab.

Transistor fundamentals; amplifier circuits, oscillator circuits, pulse type circuits and their application into transistorized systems. Prerequisite: Eh. 102 and 103.

ENGLISH

Eh. 100. Fundamentals of Writing. 3 credits.

The relationship of sentence structure to ideas: theory, practicum, and application. Designed for students whose standardized test scores indicate a need. No prerequisite.

Eh. 101. Communications. 3 credits.

The oral analysis through critical and creative discussion of the modern essay and the writing of short units of composition, with an emphasis on methods, relevancy, logic, and the adequacy of organization and development, and more especially the relationship of content to form. No prerequisite.

Eh. 102. Communications. 3 credits.

Guided analysis of humanistic ideas from the areas of poetry, drama, short story, and novel. Principles of structure, development, and thought in fully expanded units of purposive composition. Prerequisite: Eh. 101.

Eh. 103. Secretarial Communications. 3 credits.

The writing of business letters and short reports. Designed for terminal business student. Prerequisite: Eh. 100 or Eh. 101.

Eh. 104. Technical Communications. 3 credits.

Report writing with some consideration of oral presentation and business letters. Designed for terminal technical students. Prerequisite: Eh. 100 or Eh. 101.

Eh. 201. World Literature. 3 credits.

Academic survey of significant authors and their works from Homer to Shakespeare with emphasis on literary trends, forms, and appreciation. Prerequisite: Eh. 102 or permission of instructor.

Eh. 202. World Literature. 3 credits.

Continuation of Eh. 201 from Shakespeare through the 19th Century. Prerequisite: Eh. 102 or permission of instructor.

Eh. 215. English Literature. 3 credits.

Introduction to English literature, based upon selected masterpieces from Beowulf to Samuel Johnson. Prerequisite: Eh. 102 or permission of instructor.

- Ecs. 202. Principles of Economics. 3 credits.**
Continuation of Ecs. 201 emphasizing price determination, distribution of income, production, and comparative economic systems. Prerequisite: Ecs. 201.

EDUCATION

- Ed. 201. Introduction to Education. 3 credits.**
Fundamental principles of education from the historical view; curriculum; aims and methods of teaching. Emphasizing the Florida school program. Prerequisite: Sophomore standing or permission of instructor.
- Ed. 202. Social Foundations of Education. 3 credits.**
Social structures, forces, and values affecting education. Prerequisite: Sophomore standing or permission of instructor.

ELECTRONICS

The following courses are designed for terminal technical students.

- El. 101. Direct Current Circuits. 4 credits. 3 hours lecture; 3 hours lab.**
Basic principles of direct current circuits, laws, and theorems—including emphasis on use of series and parallel electrical circuits, inductance, capacitance, electromagnetism, and electrical measurement. Corequisite: Ms. 103.
- El. 102. Alternating Current Circuits. 4 credits. 3 hours lecture; 3 hours lab.**
Basic principles of alternating current circuits emphasizing inductive and capacitive reactance, series and parallel resonance, and transformer theory. Prerequisite: El. 101; Corequisite: Ms. 104.
- El. 103. Fundamentals of Electronics. 4 credits. 3 hours lecture; 3 hours lab.**
Fundamental operation of electron tubes and their use in power supplies, amplifiers, and oscillators. Prerequisite: El. 101.
- El. 202. Electronic Circuits and Systems. 4 credits. 3 hours lecture; 3 hours lab.**
Radio receiver and transmitter circuits including frequency modulation and single side band. Prerequisite: El. 102 and 103.
- El. 203. Advanced Electronic Circuits. 4 credits. 3 hours lecture; 3 hours lab.**
Special electronic circuits including television transmitters and receivers. Prerequisite: El. 102 and 103.

The success of the Intramural Program primarily depends upon student participation in the various fields of recreational and athletic endeavor, and secondly upon student participation in the planning, administration, and execution of the program. Each student is encouraged to take full advantage of the opportunities provided in this program in order to develop and maintain himself as a well-rounded student.

INTERCOLLEGIATE ATHLETICS

Indian River Junior College expects to participate in all intercollegiate athletics as enrollment, facilities, and financial support will permit. Intercollegiate basketball and baseball started during the 1964-65 academic year. Students interested in participating in these sports should contact the coaching staff. A limited number of athletic scholarships (tuition and books) are available for qualified students.

SOCIAL ACTIVITIES

The social development of the student is enhanced by a series of formal and informal events scheduled throughout the school term. Social, religious, departmental, and service clubs have been established on campus. Each student is encouraged to join and participate in club activities.

INSURANCE

A low-cost accident insurance is available for all students at a cost of \$2.25 per year for coverage during college hours. For \$10 the same insurance will cover the student 24 hours a day for a full year. Students are encouraged to take advantage of this insurance. All students participating in intramural and intercollegiate sports are required to have accident insurance coverage.

MEDICAL FACILITIES

The college does not provide medical facilities; however, first-aid equipment is readily available in various areas of the campus. In case of accidents or serious illness the parents are notified immediately. Emergency treatment by private physician or hospitalization are at the student's or parents' expense.

TRANSPORTATION

Each Board of Public Instruction is responsible for providing public transportation to the college from Martin, Okeechobee, and Indian River Counties. Students living in outlying areas in St. Lucie County may use existing public school transportation facilities. Suf-

ficient parking space is available for private transportation on the campus. Each student and faculty member is issued a parking permit.

DISCIPLINE

Students of Indian River Junior College are expected to display, at all times, the qualities of courtesy, integrity, and appearance that characterize the behavior of adult ladies and gentlemen. It is the policy of the College to look upon its students as mature adults and to treat them as such; however, students are expected to comply with such regulations as may be set up by the Student Council and the Administration of the College. When a student is accepted for enrollment in the College, he assumes the responsibility to comply with such rules and regulations.

The College does not permit the use or possession of alcoholic beverages on the campus or at a College-sponsored activity. Gambling in any form is prohibited.

Students who violate approved rules and regulations are subject to disciplinary measures, including suspension from College. The decision of the President is final in all cases involving violations of rules of discipline.

YEAR-ROUND OPERATION

The academic calendar of Indian River Junior College is organized on a year-round basis.

This program has the following special features:

1. It permits coordination with the state university academic calendar.
2. Two seventeen-week semesters and two six-week summer terms make it possible for a student to graduate in eighteen calendar months; four entrance periods make it possible for students to start their college work earlier; and provides an opportunity for students with scholastic deficiencies to make up work.

STUDENT PERSONNEL SERVICES

GUIDANCE AND COUNSELING

Every effort is made to provide adequate guidance and counseling services to students.

The College provides a staff of professional counselors who work with individual students, both full and part-time, concerned with problems of a personal, vocational, or academic nature.

CHEMISTRY

- Cy. 100. Elements of Chemistry. 3 credits.**
Fundamentals, theories, laws and principles of inorganic chemistry. No prerequisite.
- Cy. 101. General Chemistry. 4 credits. 3 hours lecture; 3 hours lab.**
Fundamental principles and the relation of atomic and molecular structure to chemical and physical properties. Prerequisite: 1 year high school algebra and chemistry, or successful completion of Cy. 100, or permission of instructor.
- Cy. 102. General Chemistry. 4 credits. 3 hours lecture; 3 hours lab.**
A continuation of Cy. 101 including the methods of qualitative analysis. Prerequisite: Cy. 101.
- Cy. 201. Organic Chemistry. 4 credits. 3 hours lecture; 3 hours lab.**
Reactions and mechanisms of carbon compounds. Prerequisite Cy. 102.
- Cy. 202. Organic Chemistry. 4 credits. 3 hours lecture; 3 hours lab.**
Continuation of Cy. 201. Prerequisite: Cy. 201.

COMMUNICATIONS MEDIA

- Cms. 131, 132, 231, 232. College Communications Media. 1 credit. 4 hours.**
Layout, copywriting, editing, photography techniques, and dark-room procedure essential to yearbook production. Prerequisite: Permission of instructor.
- Cms. 133, 134, 233, 234. College Communications Media. 1 credit. 4 hours.**
Reporting, editing, news photography, make-up, and business of newspaper production. Prerequisite: Permission of instructor.

ECONOMICS

- Ecs. 201. Principles of Economics. 3 credits.**
The nature and scope of economic problems and principles, including income, and growth, financial nature of economics, financial organization of society, money and banking, and financial cycles. Prerequisite: Sophomore standing or permission of instructor.

Bus. 121. Introduction to Business. 3 credits.

Survey of the nature and extent of the private enterprise system including the tools used in recording, appraising, organizing, distributing, and controlling business operation. No prerequisite.

Bus. 131. Mathematics of Business. 3 credits.

Application of mathematics to business computations including the use of special formulas for figuring interest, inventories, and amortization. No prerequisite.

Bus. 132. Secretarial Accounting. 3 credits.

Accounting fundamentals and the collating of figures for reports. For the secretarial student. Prerequisite: Bus. 131.

Bus. 211. Dictation and Transcription. 3 credits.

Training and practice in the transcription of mailable copy from shorthand notes taken at 100 or 120 words a minute. Prerequisite: Bus. 112 and Eh. 103.

Bus. 221. Business Law. 3 credits.

The purpose and logic of law as well as principles and rules, including sources of law, contracts, agency and employment, negotiable instruments, personal property, bailments, and the law of sales. No prerequisite.

Bus. 222. Business Law. 3 credits.

Continuation of Bus. 221 emphasizing partnerships, corporations, real property, insurance, security, bankruptcy, trusts and estates, and government regulations. Prerequisite: Bus. 221.

Bus. 240. Salesmanship. 3 credits.

Understanding of a salesman's role in business as it relates to himself, his company, and his customer. No prerequisite.

Bus. 250. Office Practice. 3 credits.

Principles of filing, use of the 10-key adding machine, practice with voice-writing equipment, duplicating techniques, and the typing of letters and business forms at business production rates. For secretarial and clerical business students. Prerequisite: Bus. 103, 131 and Eh. 103.

Bus. 260. Human Relations in Business. 3 credits.

An integrated view of the fundamental and foundational aspects of human relations including leadership, motivation, organization, communication. Prerequisite: Sophomore standing.

Bus. 270. Personnel Management. 3 credits.

Philosophies and policies of personnel management programs stressing a broad understanding of current executive managerial techniques. Prerequisite: Sophomore standing.

VOCATIONAL GUIDANCE

It has been found that vocational choice is a primary concern of a majority of college students. Students who, early in their college career, choose a vocation which is compatible with their interests and aptitudes, are much more likely to remain in college and have successful and satisfying experiences.

Since vocational choice is so important to the success which a college student experiences, the Student Personnel Department emphasizes vocational counseling and testing and urges each student to take advantage of these services.

All enrolling freshmen will take a battery of vocational tests. Regular appointments will be scheduled between students and counselors to discuss test results and their vocational implications. Each student is urged to meet these appointments and to discuss his vocational choice with the counseling staff at any time. Vocational guidance is equally available to Sophomore students who request it.

MAXIMUM AND MINIMUM STUDENT LOAD

1. The maximum load for a student is 17 semester hours. Full-time students who have an average of "B" or above may take a maximum of 21 credit hours.
2. The minimum load for a full-time student is 12 semester hours per semester. Veterans, in order to qualify for full-time training status, must register for 14 or more semester hours.

CLASSIFICATION OF STUDENTS

A student who has less than 24 semester hours credit is classified as a Freshman. A Sophomore is a student who has 24 or more but less than 64 semester hours credit. Any student who has more than 64 hours, holds a degree, or is taking courses as an Audit Student is classified as a special (unclassified) student.

A full-time student is one enrolled for 12 or more semester hours, whereas a part-time student is one enrolled for less than 12 semester hours.

DROPPING AND ADDING COURSES

Courses may be dropped and added within the time limitations as set forth in the college calendar. Students must obtain a form from the Registrar's office and secure the permission of his instructor, and the Dean of Student Personnel before the course may be dropped or added. After the date specified a \$1 drop fee is charged for each course dropped.

GRADING SYSTEM

Mid semester grades are mailed to the student at the end of the eighth week of each semester. Warning letters may be sent by the instructor through the Registrar to the parent and/or student at any time the instructor feels that the student is doing unsatisfactory work.

Final grades are forwarded to the student and parents shortly after the completion of each semester and summer session.

The following system of grading is used:

- A – Excellent – 4 quality points per semester hour
- B – Good – 3 quality points per semester hour
- C – Average – 2 quality points per semester hour
- D – Poor, but passing work – 1 quality point per semester hour
- F – Failure – No quality points
- W – Withdrawal from course without penalty; no credit or quality points are assigned
- Au – Audit – Student enrolled as a non-credit student
- I – Incomplete – Work must be made up within the next semester to obtain credit. An incomplete grade that is not completed within this semester becomes an F.

A student who unofficially discontinues a course without officially withdrawing will receive a grade of "F" in the course.

Grades of "A," "B," and "C" are satisfactory. A grade of "F" is unsatisfactory. A grade of "D" is satisfactory for graduation purposes; however, most colleges and universities will not accept a "D" as transfer credit.

The student's grade or quality-point average is the number of semester hours that a student attempts divided into the number of quality points earned. An overall grade-point average of at least 2.0 must be acquired to meet graduation requirements. An example of computing a grade-point average for a semester's work follows:

Subject	Grade	Semester Hours	Quality Points
English 101	B	3	9
Biology 111	B	4	12
Mathematics 105	F	3	0
History 101	B	3	9
Psychology 101	A	2	8
Physical Education 101	A	1	4
		16	42

Grade-point average is 42 divided by 16, which equals 2.625.

Bio. 120. Introduction to Microbiology. 4 credits. 3 hours lecture; 2 hours lab.

Bacteria, molds, protozoans, viruses with staining, transfer, physiology, disinfection, immunization, prevention and aseptic techniques. Prerequisite: Bio. 115 or permission of instructor.

Bio. 225. Invertebrate Zoology. 4 credits. 3 hours lecture; 3 hours lab.

Invertabrata emphasizing taxonomy, physiology, and ecology. Prerequisite: Bio. 112 or permission of instructor.

Bio. 226. Vertebrate Zoology. 4 credits. 3 hours lecture; 3 hours lab.

A continuation of Bio. 225 emphasizing vertabrata and including evolution, genetics, and animal zoogeography. Prerequisite: Bio. 225, or permission of instructor.

Bio. 235. General Botany. 4 credits. 3 hours lecture; 3 hours lab.

The diversity of flowering plants: Taxonomy, ecology, and evolution. Prerequisite: Bio 111 & 112 or permission of instructor.

Bio. 236. General Botany. 4 credits. 3 hours lecture; 3 hours lab.

The diversity of flowering plants: Taxonomy, ecology, and physiology. Prerequisite: Bio. 235.

BUSINESS

Bus. 101. Elementary Typewriting. 3 credits. 5 hours.

Typing for secretarial and clerical students emphasizing speed and accuracy. No prerequisite.

Bus. 102. Intermediate Typewriting. 3 credits. 5 hours.

Continuation of Bus. 101 emphasizing practice in basic letter writing, manuscript writing, tabulations, and business forms. Prerequisite: Bus. 101 or permission of instructor.

Bus. 103. Advanced Typewriting. 3 credits. 5 hours.

Practice on speed and accuracy for the secretarial student stressing vocational use. Prerequisite: Bus. 102.

Bus. 111. Introductory Shorthand. 3 credits. 5 hours.

Introductory Gregg Shorthand concerned with theory. Prerequisite or corequisite: Bus. 101.

Bus. 112. Intermediate Shorthand. 3 credits.

Development of the fundamentals of shorthand emphasizing the increasing of speed, to 100 words a minute, from unfamiliar material. Prerequisite: Bus. 111 or equivalent and Bus. 102, which may be taken concurrently.

ART

- Art 101. Drawing. 3 credits. 5 hours.**
An introduction to the materials and techniques used in drawing from nature. No prerequisite.
- Art 102. Drawing. 3 credits. 5 hours.**
A continuation of Art 101 with more emphasis on personal creativity. Prerequisite: Art 101.
- Art 111. Color and Design. 3 credits. 5 hours.**
Fundamentals of visual organization and color with experimentation in various two-dimensional design media. No prerequisite.
- Art 112. Color and Design. 3 credits. 5 hours.**
A continuation of Art 111. Prerequisite: Art 111.
- Art 201. Introduction to Painting. 3 credits. 6 hours.**
Basic oil painting techniques. Prerequisite: Art 102 or permission of instructor.
- Art 202. Painting. 3 credits. 5 hours.**
A continuation of Art 201. Prerequisite: Art 201.
- Art 220. Introduction to Ceramics. 3 credits. 5 hours.**
Fundamentals of pottery making. Prerequisite: Permission of the instructor.
- Art 221. Ceramics. 3 credits. 5 hours.**
A continuation of Art 220. Emphasis on creativity. Prerequisite: Art 220.

BIOLOGICAL SCIENCE

- Bio. 111. General Biology. 4 credits. 3 hours lecture; 2 hours lab.**
The astronomical and geological beginnings; a survey of the plant kingdom; the taxonomical, physiological and ecological aspects related to man's understanding of the plant world. No prerequisite.
- Bio. 112. General Biology. 4 credits. 3 hours lecture; 2 hours lab.**
A continuation of Bio. 111 emphasizing the animal kingdom, and including phylogeny, physiology, and ecology. No prerequisite.
- Bio. 115. Anatomy and Physiology. 4 credits. 3 hours lecture; 2 hours lab.**
The structure and function of the human. No prerequisite.

A student who repeats a course is awarded the most recent grade for that course even though this grade may be lower than the previous one; however, both grades are recorded on the student's permanent record. Although credit is awarded only once for a repeated course, the semester hours attempted and quality points are included in the student's overall average each time that the student attempts a course.

DEAN'S LIST

The Dean's List is posted at the end of each semester. All students who have made an academic average of 3.0 or higher and are carrying 12 or more semester hours will be placed on the Dean's List.

PHI THETA KAPPA SOCIETY

The Nu Iota Chapter of this National Scholarship Fraternity received its National Charter on April 22, 1964. The purpose of this Fraternity is to promote scholarship, develop character and cultivate fellowship among the students of the junior colleges. Invitation to membership is extended those students who have maintained a scholastic average of 3.0 (B) or higher for three consecutive semesters of attendance at Indian River Junior College.

ACADEMIC PROBATION

A full-time student failing to maintain a 1.6 ("D" plus) scholastic average for any semester (though not subject to scholastic suspension) will be placed on probation for the next semester. Should the student fail to maintain a 1.6 grade-point average, he will be subject to suspension for one semester.

"Admitted on probation" denotes that a student must maintain a certain grade-point average for the first semester enrolled in order to remain a student or to enroll for the next semester. A student who is entered on probation is so notified by letter of the terms of the probation, and when he registers he automatically accepts the terms of the probation.

A student on academic probation will not be permitted to register for more than 12 academic semester hours except on the recommendation of his faculty advisor and the approval of the Dean of Student Personnel.

ACADEMIC SUSPENSION

Academic suspension is the action taken by the college to suspend or drop a student from the college because of poor scholarship.

A probationary student failing to make a 1.6 grade-point average during the semester that he is on probation is subject to academic suspension. A student so suspended is eligible for readmission on probation after one semester.

The privilege of appeal is provided the suspended student. The student is required to write a letter to the Admissions Committee explaining his appeal to be readmitted and will appear before the Committee in person should the Committee so desire.

A student suspended for poor scholarship for the second time from Indian River Junior College will be suspended for one year and must apply to the Admissions Committee for readmission.

ADVANCED PLACEMENT – CREDIT PROGRAM

Indian River Junior College participates in the Advanced Placement Program which is administered by high schools through the Education Testing Service, Princeton, New Jersey.

Under this system a student entering the College offers a nationally graded examination as evidence of his completion of a college level course taken in high school. When the results of the examination meet the minimum requirements, the student may receive college credit for courses offering similar material. In some cases, only exemption from a course, not credit, is available. In either case, the student is assured that the College takes full cognizance of the advanced work done previous to his entrance.

CREDIT BY EXAMINATION

Evidence of proficiency in a subject area may qualify a student to request an examination. If the student passes the examination to the satisfaction of all concerned, the student shall be granted credit for the appropriate course.

Fees shall be collected as applicable and credit granted by examination shall be counted toward full-time student status. Such credit shall not, however, be counted as part of a student's maximum load.

Students who wish to investigate this program should contact the Dean of Academic Affairs.

DIRECTED INDEPENDENT STUDY

Students wishing to take approved college courses by independent study must contact the instructor of the course prior to registration and complete a written contract. A copy of the contract will be forwarded to the Dean of Academic Affairs for final approval. The contract will

AG. 201. Introduction to Citrus Culture. 3 credits.

Origin and history of the citrus industry, propagation of citrus, planning and developing young groves. Prerequisite: AG. 101, or permission of instructor.

AG. 202. Principles of Citrus Culture. 3 credits.

Care and maintenance of mature citrus groves including nutrient elements and their effect on growth, soil and climate factors, fruit quality factors, diseases, and pests. Prerequisite: AG. 201 or permission of instructor.

AG. 203. Agricultural Pest and Disease Control. 3 credits.

Identification of insects, mites and diseases of citrus including preventive and control measures. Prerequisite AG. 202 or permission of instructor.

AG. 211. Selection and Maintenance of Farm Machinery. 3 credits.

Basic farm machinery including selecting, purchasing, operating, calibrating and repairing. No prerequisite.

AG. 221. Principles of Agricultural Economics. 3 credits.

Principles of economics as applied to agriculture; economics problems of the agricultural industry, related industries and the individual farmer. Prerequisite: Sophomore standing or permission of instructor.

AG. 222. Principles of Agricultural Management. 3 credits.

Management process as it relates to personnel, accounting, and cost analysis in the field of agriculture. Prerequisite: AG. 221 or permission of instructor.

AG. 226. Harvesting and Marketing. 3 credits.

The movement of agricultural goods from the producer to the consumer. Prerequisite: AG. 221 or permission of instructor.

AG. 231. Introduction to Principles of Vegetable Production. 3 credits.

Fundamental principles and practices basic to vegetable production. No prerequisite.

AG. 251. Introduction to Dairy Science. 3 credits.

The development of dairy science; breeding, selecting, feeding, and managing dairy cattle; sanitary milk production; composition, properties, processing, and analyzing dairy products. No prerequisite.

AG. 252. Introduction to General Animal Husbandry. 3 credits.

Types and breeds of farm animals; marketing classification; selection and management. No prerequisite.

ADULT PERSONAL IMPROVEMENT AND GENERAL INTEREST COURSES

The adult student who wishes to follow a self improvement study plan may choose from any of the following intellectual and cultural development offerings.

Art	Literature
Conversational Languages	Music
Creative Writing	Natural Sciences
Current Affairs Workshop	Psychology
Dramatics	Reading Improvement
Home Landscaping	Safety Education
Law for the Layman	Securities & Investment

COURSE OFFERINGS

The term "credit" as used in this catalog in reference to courses is designed in terms of semester hours. Generally, one class hour per week throughout a semester is equal to one semester hour. A two or three hour laboratory period is equivalent to one semester hour.

ACCOUNTING

Atg. 201. Principles of Accounting. 3 credits.

Accounting, the concepts underlying accounting, and the material necessary for recording and reporting transactions, preparing financial statements, and analyzing trends. For the pre-business administration student. Prerequisite: Sophomore standing or permission of instructor.

Atg. 202. Principles of Accounting. 3 credits.

A continuation of Atg. 201, dealing with partnerships, corporations, branches, cost accounting, and special statements and their interpretation. Prerequisite: Atg. 201.

AGRICULTURE

AG. 101. Principles of Horticulture. 3 credits.

Fundamental principles basic to the commercial production of horticultural crops and basic plant propagation. No prerequisite.

AG. 141. Soils Science. 3 credits.

Properties, classification, and utilization of basic Florida soils. Prerequisite: High school chemistry, Cy. 100, or equivalent experience.

specify the requirements to be completed by the student including tests, periodic class attendance, term papers, etc. The student must complete all requirements of the contract to obtain credit for the course.

The regular grading system applies to all independent study students. Grades earned by independent study have the same status as those acquired through regular class attendance.

DEGREES AND CERTIFICATES

Indian River Junior College awards the Associate in Arts and the Associate in Science degrees, and certificates of completion in certain programs of study.

GENERAL EDUCATION

General education is that combination of subjects and activities at the freshman and sophomore levels of college that are considered essential for effective participation of a citizen in his community regardless of his role in the community. While providing these needed common understandings, skills, and competences, this program will also serve as a foundation for the pursuit of a program of a terminal nature or an academic program at the senior college level. Therefore a course of study should include appropriate academic subjects and supplementary activities whereby the student achieves citizenship; equipped not only with a vocation, but with a better understanding of himself and a higher regard for others. One important and specific way to vitalize this philosophy is to guarantee teaching of the highest calibre. Implicit in this philosophy is the recognition that general education is here defined only in terms of what can be done to assist the individual to an initial and expanding achievement of his fullest potential.

OBJECTIVES OF GENERAL EDUCATION

- To foster an understanding of cultural heritage—
- To develop citizenship—
- To broaden skill in communications—
- To encourage critical thinking—
- To stimulate creativity—
- To enhance physical development—
- To develop moral and spiritual values—
- To enhance the comprehension of the total environment—

ASSOCIATE IN ARTS DEGREE REQUIREMENTS

Students who plan to transfer to senior institutions should follow the Associate in Arts Degree Program. The aspirant to the Associate in Arts Degree must complete the Graduation Requirements for the Associate in Arts Degree, as shown herein, and in addition must complete a sufficient number of elective credit hours so that a total of 64 credit hours is earned, the last 20 of which must be taken at Indian River Junior College. The Associate in Arts Degree will be awarded to those students who have completed the 64 credit hours, while maintaining a grade point average of 2.0 on all work attempted at Indian River Junior College. It is the responsibility of the student to be sure that these graduation requirements are met and make application for graduation at the beginning of the term in which he expects to graduate.

ASSOCIATE IN ARTS DEGREE

REQUIRED COURSES FOR GRADUATION

ENGLISH

6 Semester Hours

The English requirement may be met through completion of Eh 101 and Eh 102.

SCIENCE

8 Semester Hours

The Science requirement may be met by eight semester hours of either biological or physical science.

PHYSICAL EDUCATION

4 Semester Hours

One semester of P.E. 101 and at least a one-half semester course in Swimming must be included in the 4 semester hours.

Students who cannot participate in the regular Physical Education classes because of medical limitations will have their participation modified accordingly.

The Physical Education requirement may be met through regular class participation and/or through special exemption tests which are administered each semester in the various activities. P.E. 101 may not be exempted.

HISTORY

6 Semester Hours

The History requirement may be met through completion of Hy 101 and Hy 102.

munities. The Adult Education extension service is now operating in Fort Pierce, Vero Beach, and Port St. Lucie.

Most of the classes are held in the evenings, Monday through Friday. Other times and days may be utilized depending upon student needs and desires. Course offerings vary in the length from 6 to 14 weeks, depending upon the content. There is a \$3.00 registration fee for each course.

COURSE OFFERINGS

Post High School Technical and Vocational non-credit courses are available to adults in the community who wish to improve themselves or seek new roads of endeavors through organized study. The following courses are among those which can be offered during a semester when there is sufficient demand.

Auto Mechanics	Radio Communications
Bookkeeping	Residential Electrical Wiring
Business English	Restaurant Management
Carpentry	Secretarial Office Practice
Cosmetology	Sewing
Drafting	Shorthand
Electronics	Technical Illustration
Home Decoration	Typing
Plumbing	Waitress Training

HIGH SCHOOL COMPLETION PROGRAMS

The Adult Community Service Program offers high school credit courses for those seeking a diploma. Upon successful completion of the needed courses, the St. Lucie County Board of Public Instruction will issue the high school diploma.

Adults over 20 years of age may obtain a high school diploma by pursuing The General Education Development Program. Adults are advised to enroll in high school review courses prior to taking the test. Upon successful completion of the General Education Development test, adults are issued a State High School Equivalency Diploma.

Guidance personnel are available to assist students in planning their programs. Diplomas earned in the Adult Education Program will be accepted by the college if the student wishes to enter the Junior College and earn credit toward a degree.

CERTIFICATE PROGRAMS

CERTIFICATE IN ELECTRONICS TECHNOLOGY

The purpose of this program is to grant a certificate of completion to those students who wish to become proficient in the field of electronics.

Ms. 103	Ms. 104	6 hrs.
G.S. 111	G.S. 231	6 hrs.
El. 101		4 hrs.
El. 102		4 hrs.
El. 103		4 hrs.
El. 202		4 hrs.
El. 203		4 hrs.
El. 204		4 hrs.
		36 hrs.

ONE-YEAR STENOGRAPHIC

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 100 or 101	3	Eh. 103	3
Bus. 101 or 102	3	Bus. 102 or 103	3
Bus. 111 or 112	3	Bus. 112 or 211	3
Bus. 121	3	Bus. 132	3
Bus. 131	3	Bus. 250	3
		15	15

ADULT COMMUNITY SERVICE PROGRAMS

GENERAL STATEMENT

Indian River Junior College offers numerous non-credit courses for adults in the four county service area. Classes include areas of General Education, Vocational, Business, Trade & Industrial Education, Home Economics, Technical Education, and areas of special interests. Many short term workshops are offered as a public service in areas of community interest.

Arrangements may be made for community service extension courses to be offered to special groups in business, industry, or com-

SOCIAL SCIENCE

3 Semester Hours

The Social Science requirement may be met through completion of any course from the following: Soc. Sci. 211, Econ. 201, Psy. 201, Geog. 201, Soc. 150, Soc. 201, Pol. Sci. 201, Pol. Sci. 202.

MATHEMATICS

3 Semester Hours

The Mathematics requirement may be met through completion of any of the following math courses: Ms. 105, Ms. 106, Ms. 107, or Ms. 108.

HUMANITIES

8 Semester Hours

To meet this requirement a student must take work in each of four areas: Art, Literature, Music, and Philosophy. Acceptable courses in each of these areas include:

1. Art — Hs. 201
2. Literature — Hs. 202, or Eh. 201, Eh. 202, Eh. 215, Eh. 216, Eh. 224 and Eh. 225.
3. Music — Hs. 203
4. Philosophy — Hs. 204, or Ppy. 150

SUGGESTED PROGRAMS OF STUDY

ASSOCIATE IN ARTS DEGREE

The following outlines are guides for students to assist them in planning their two-year program of study. These outlines suggest a sequence in which the various courses should be taken. Courses are scheduled each term based on the sequence in these outlines.

GENERAL CURRICULUM

The program outlined below is designed for those students who do not have a definite educational objective. This program is so organized to meet the General Education Requirements of the college with sufficient electives to permit the student to explore various fields of interests. Should the student later decide to transfer to a four-year college, the courses taken under this program are transferable to the higher institution. Students enrolled in the General Curriculum should consult with guidance counselors during their first Semester in college, concerning an appropriate program of study.

First Year			
1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
Science requirement	4	Science requirement	4
Hy. 101	3	Hy. 102	3
P.E. 101	1	P.E. Course	1
Math. Course	3	Elec. or Lang.	3-6
Elec. or Lang.	3		
	<hr/>		<hr/>
	17		14-17

Second Year			
1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Hs 201-202	4	Hs. 203-204	4
P.E. Course	1	P.E. Course	1
Lang., Eh. or Elec.	3	Lang., Eh. or Elec.	3
Elec.	3-7	Elec.	6-10
Soc. Sci. Req.	3		
	<hr/>		<hr/>
	14-18		14-18

LIBERAL ARTS

First Year			
1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
*Phy. 101	4	*Phy. 102	4
Hy. 101	3	Hy. 102	3
P.E. 101	1	P.E. Course	1
*Ms. 106	3	*Ms. 107	3
For. Lang.	3	For. Lang.	3
	<hr/>		<hr/>
	17		17

Second Year			
1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Hs. 201	2	Hs. 203	2
Hs. 202	2	Hs. 204	2
Eh. (Literature)	3	Eh. (Literature)	3
*Bio.	4	*Bio.	4
For. Lang.	3	For. Lang.	3
P.E. Course	1	P.E. Course	1
Soc. Sci. Req.	3	Elec.	0-3
	<hr/>		<hr/>
	18		15-18

* U. F. Requires 2 courses each in Ms., Bio. & Physics

Second Year			
1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Psy. 201	3	Scs. 211	3
P.E. Course	1	P.E. Course	1
Nur. 203	5	Nur. 205	3
Nur. 204	4	Nur. 206	3
Elec	2-4	Nur. 207	3
	<hr/>	Elec.	2-3
	15-17		<hr/>
			15-16

The student who successfully completes this program of study is eligible to take the state examination for licensure as a Registered Nurse.

SECRETARIAL SCIENCE

First Year			
1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 100-101	3	Eh. 103	3
P.E. 101	1	P.E. Course	1
Hs.-S.S. Req.	3	Hs.-S.S. Req.	3
Bus. 101 or 102	3	Bus. 102-103	3
Bus. 111	3	Bus. 112	3
Bus. 121	3	Elec.	3
	<hr/>		<hr/>
	16		16

Second Year			
1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Bus. 130	3	Bus. 131	3
Ecs. 201	3	Ecs. 202	3
Bus. 221	3	Bus. 211	3
P.E. Course	1	Bus. 250	3
Sci. Req.	4	P.E. Course	1
Elec.	2	Sci. Req.	4
	<hr/>		<hr/>
	16		17

ELECTRONICS TECHNOLOGY

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 100 or 101	3	Eh. 104	3
Ms. 103	3	Ms. 104	3
El. 101	4	El. 102	4
Hs.—S.S. Req.	3	El. 103	4
P.E. 101	1	P.E. Course	1
	—	Hs.—S.S. Req.	3
	14		—
			18

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
El. 202	4	El. 203	4
G.S. 111	3	El. 204	4
Phy. 101	4	Phy. 102	4
P.E. Course	1	P.E. Course	1
Elec.	5	G.S. 231	3
	—		—
	17		16

NURSING SCIENCE

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
P.E. 101	1	P.E. Course	1
Soc. 150	3	Bio. 120	4
Bio. 115	4	Nur. 201	5
Nur. 101	3	Nur. 202	4
Nur. 102	3		—
	—		17
	17		

PRE - AGRICULTURE

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
*Bio. 235	4	*Bio 236	4
Hy. 101	3	Elec.	3
P.E. 101	1	Hy. 102	3
Psy. 201	3	P.E. Course	1
Ms. 106	3	Ms. 107	3
	—		—
	17		17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Bio. 225	4	Bio. 226	4
Cy. 101	4	Cy. 102	4
Ecs. 201	3	Hs. 203	2
Hs. 201	2	Hs. 204	2
Hs. 202	2	P.E. Course	1
P.E. Course	1	Soc. Sci. Req.	3
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	16		16

* Students with unsatisfactory scores on science placement tests should substitute Bio. 111 and 112.

PRE - AIRLINE STEWARDESS

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
Bio. 111	4	Bio. 112	4
Hy. 101	3	Hy. 102	3
P.E. 101	1	P.E. Course	1
For. Lang.	3	For. Lang.	3
*Elec.	0-3	*Elec.	3
	—		—
	14-17		17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Hs. 201	2	Hs. 203	2
Hs. 202	2	Hs. 204	2
P.E. Course	1	P.E. Course	1
Ms. 105	3	Geog. 201	3
Soc. 150	3	For. Lang.	3
For. Lang.	3	Eh. 120	3
*Elec.	3	*Elec.	3
	<hr/>		<hr/>
	17		17

* Suggested Electives: Psy. 201, He. 225, Hy. 105, Hy. 106

PRE - ARCHITECTURE

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Ms. 108	5	Ms. 205	5
Eh. 101	3	Eh. 102	3
Bio. 111	4	Bio. 112	4
P.E. 101	1	P.E. Course	1
G.S. 101	3	G.S. 102	3
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	16		16

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Phy. 201	4	Phy. 202	4
P.E. Course	1	P.E. Course	1
Hy. 101	3	Hy. 102	3
Art. 101	3	Soc. Sci. Req.	3
G.S. 221	3	G.S. 222	3
Hs. 201	2	Hs. 203	2
Hs. 202	2	Hs. 204	2
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	18		18

CITRUS TECHNOLOGY

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 100 or Eh. 101	3	Eh. 102 or Eh. 104	3
Ms. 103	3	Ms. 104	3
Cy. 100	4	Ag. 101	3
P.E. 101	1	P.E. Course	1
Hs.—S.S. Req.	3	Psy. 201	3
Elec.	0-3	Hs.—S.S. Req.	3
	<hr/>		<hr/>
	14-17		16

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Bio. 235	4	Bio. 236	4
Ag. 141	3	Ag. 202	3
Ag. 201	3	Ag. 203	3
Ag. 211	3	Ag. 226	3
Ag. 221	3	P.E. Course	1
P.E. Course	1	Elec.	2-3
	<hr/>		<hr/>
	17		16-17

DRAFTING TECHNOLOGY

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 100-101	3	Eh. 104	3
G.S. 111	3	G.S. 112	3
Ms. 103	3	Ms. 104	3
Phy. 101	4	Phy. 102	4
P.E. 101	1	P.E. Course	1
	<hr/>	Hs.—S.S. Req.	3
	14		<hr/>
			17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Sur. 201	3	Sur. 202	3
G.S. Elec.	6	G.S. Elec.	6
P.E. Course	1	P.E. Course	1
Hs.—S.S. Req.	3	Elec.	7
Elec.	3		<hr/>
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	16		

ASSOCIATE IN SCIENCE DEGREE

REQUIRED COURSES FOR GRADUATION

ENGLISH 6 Semester Hours

The English requirement may be met through completion of any two courses from the following: Eh. 100, Eh. 101, Eh. 102, Eh. 103, Eh. 104.

SCIENCE 8 Semester Hours

The Science requirement may be met by eight semester hours of either biological or physical science.

PHYSICAL EDUCATION 2 Semester Hours

P.E. 101 and at least a one-half semester course in swimming will satisfy this requirement.

HUMANITIES – SOCIAL SCIENCE 6 Semester Hours

The following alternatives will satisfy this requirement: Hy. 101 and Hy. 102

or

Two courses from any of the following:

Ecs. 231, Ecs. 232, Geog. 201, Scs. 211, Soc. 150, Soc. 151, Soc. 201

or

Six semester hours from any of the following :

Hs. 201, Hs. 202, Hs. 203, Hs. 204, Eh. 201, Eh. 202, Eh. 215, Eh. 216, Eh. 224, Eh. 225, Psy. 150

or

Any combination of the above courses that total a minimum of six semester hours.

SUGGESTED PROGRAMS OF STUDY

ASSOCIATE IN SCIENCE DEGREE

The following outlines are guides for students to assist them in planning their two-year program of study. These outlines suggest a sequence in which the various courses should be taken. Courses are scheduled each term based on the sequences in these outlines.

PRE - BIOLOGY

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
Hy. 101	3	Hy. 102	3
Bio. 235	4	Bio. 236	4
P.E. 101	1	P.E. Course	1
Ger. 101	3	Ger. 102	3
	—	Elec.	3
	14		—
			17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Ms. 108	5	Soc. Sci. Req.	3
Ger. 201	4	Ger. 202	4
Cy. 101	4	Cy. 102	4
Hs. 201	2	Hs. 203	2
Hs. 202	2	Hs. 204	2
P.E. Course	1	P.E. Course	1
	—		—
	18		16

PRE - BUSINESS ADMINISTRATION

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
Sci. Req.	4	Sci. Req.	4
Hy. 101	3	Hy. 102	3
P.E. 101	1	P.E. Course	1
*Ms. 106	3	Bus. 121	3
Elec.	0-3	Eh. 120	3
	—		—
	14-17		17

* Mathematics requirements for Business Administration students vary greatly at different Universities. Students should check this with the institution to which they plan to transfer.

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Hs. 201	2	Hs. 203	2
Hs. 202	2	Hs. 204	2
Atg. 201	3	Atg. 202	3
Ecs. 201	3	Ecs. 202	3
P.E. Course	1	P.E. Course	1
Elec.	6	Ms. 120	3
		Eh. 235	3
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PRE - BUSINESS EDUCATION

Students aspiring to a teaching career in business education should follow the PRE-EDUCATION program outline with elective hours taken from the business courses.

PRE - CHEMISTRY

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
Ms. 108	5	Ms. 205	5
Hy. 101	3	Hy. 102	3
Cy. 101	4	Cy. 102	4
P.E. 101	1	P.E. Course	1
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	16		16

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Hs. 201	2	Hs. 203	2
Hs. 202	2	Hs. 204	2
Ms. 206	5	Ms. 207	5
Cy. 201	4	Cy. 202	4
Soc. Sci. Req.	3	P.E. Course	1
P.E. Course	1	Elec.	2-3
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A language should be completed at the 202 level to meet the language requirement of the Arts & Science College.

PRE - PHYSICS

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
Ms. 108	5	Ms. 205	5
Hy. 101	3	Hy. 102	3
Phy. 101	4	Phy. 102	4
P.E. 101	1	P.E. Course	1
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	16		16

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Hs. 201	2	Hs. 203	2
Hs. 202	2	Hs. 204	2
Ms. 206	5	Ms. 207	5
Phy. 201	4	Phy. 202	4
Soc. Sci. Req.	3	P.E. Course	1
P.E. Course	1	Elec.	2-3
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A language should be completed at the 202 level to meet the language requirement of the Arts & Science college.

ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS

Students who do not plan to transfer to senior institutions, may follow the Associate in Science Degree Program. The aspirant to the Associate in Science Degree must complete the Graduation Requirements for the Associate in Science Degree, as shown herein, and in addition must complete a sufficient number of elective credit hours so that a total of 64 credit hours is earned; the last 20 of which must be taken at IRJC. The Associate in Science Degree will be awarded to those students who have completed the 64 credit hours, while maintaining a grade point average of 2.0 on all work attempted at IRJC. IT IS THE RESPONSIBILITY OF THE STUDENT TO BE SURE THAT THESE GRADUATION REQUIREMENTS ARE MET AND MAKE APPLICATION FOR GRADUATION AT THE BEGINNING OF THE TERM IN WHICH HE EXPECTS TO GRADUATE.

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Ms. 206	5	Ms. 207	5
Cy. 201	4	Cy. 202	4
Phy. 203	4	Phy. 204	4
P.E. Course	1	P.E. Course	1
Hs. 201	2	Hs. 203	2
Hs. 202	2	Hs. 204	2
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	18		18

PRE - PHYSICAL EDUCATION — RECREATION

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
Hy. 101	3	Hy. 102	3
Bio. 111	4	Bio. 112	4
Ms. 105	3	P.E. 102	1
P.E. 101	1	P.E. 105	1
P.E. 103	1	Elec.	3-5
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Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Hs. 201	2	Hs. 203	2
Hs. 202	2	Hs. 204	2
Eh. 120	3	Psy. 201	3
He. 225	3	P.E.R. 122	1
Ed. 202	3	P.E.R. 206 or P.E. 207	1
P.E. 106	1	Soc. Sci. Req.	3
P.E.R. 203	1	Bio. 112	4
Elec.	2-3		<hr/>
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	17-18		

Suggested elective: Ed. 201 — 202, Psy. 205.

PRE - EDUCATION

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
Hy. 101	3	Hy. 102	3
Bio. 111 or Phy. 101	4	Bio. 112 or Phy. 102	4
P.E. 101	1	P.E. Course	1
*Elec.	3-6	Ms. 105	3
	<hr/>	Elec.	3
	14-17		<hr/>
			17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Hs. 201	2	Hs. 203	2
Hs. 202	2	Hs. 204	2
Eh. 120	3	Soc. Sci. Req.	3
Psy. 205	3	Psy. 201	3
P.E. Course	1	P.E. Course	1
Ed. 201	3	Ed. 202	3
Bio. 112 or Phy. 101	3	*Elec.	3
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	17		17

* One of these electives should be outside of the student's anticipated teaching field.

PRE - ENGINEERING

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
Ms. 108	5	Ms. 205	5
Hy. 101	3	Hy. 102	3
Cy. 101	4	Cy. 102	4
P.E. 101	1	P.E. Course	1
	<hr/>	Hs. 201	2
	16		<hr/>
			18

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Soc. Sci. Req.	3	Hs. 203	2
Hs. 202	2	Hs. 204	2
Phy. 203	4	Phy. 204	4
G.S. 101	3	G.S. 102	3
Ms. 206	5	Ms. 207	5
P.E. Course	1	P.E. Course	1
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	18		17

PRE - MATHEMATICS

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
Ms. 108	5	Ms. 205	5
Hy. 101	3	Hy. 102	3
P.E. 101	1	P.E. Course	1
Ms. 102	1	Elec.	3-6
*Elec.	3		
	<hr/>		<hr/>
	16		15-18

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Ms. 206	5	Ms. 207	5
Phy. 203	4	Phy. 204	4
P.E. Course	1	P.E. Course	1
Soc. Sci. Req.	3	Hs. 203	2
Hs. 201	2	Hs. 204	2
Hs. 202	2	Elec.	3
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	17		17

* Foreign Language for students planning to enter college of Arts and Science.

PRE - MEDICAL — PRE - DENTAL

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
P.E. 101	1	P.E. Course	1
Hy. 101	3	Hy. 102	3
Cy. 101	4	Cy. 102	4
Ms. 108	5	Ms. 205	5
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	16		16

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Hs. 201	2	Hs. 203	2
Hs. 202	2	Hs. 204	2
Cy. 201	4	Cy. 202	4
Ms. 206	5	Soc. Sci. Req.	3
P.E. Course	1	P.E. Course	1
Bio. 225	4	Bio. 235	4
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	18		16

Students should plan to complete a foreign language (French or German) at the 202 level before graduation. This may be done by postponing certain advanced science courses until the junior year.

PRE - OCEAN SCIENCE

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Eh. 102	3
Ms. 108	5	Ms. 205	5
Cy. 101	4	Cy. 102	4
P.E. 101	1	P.E. Course	1
Hy. 101	3	Hy. 102	3
	<hr/>	Soc. Sci. Req.	3
	16		<hr/>