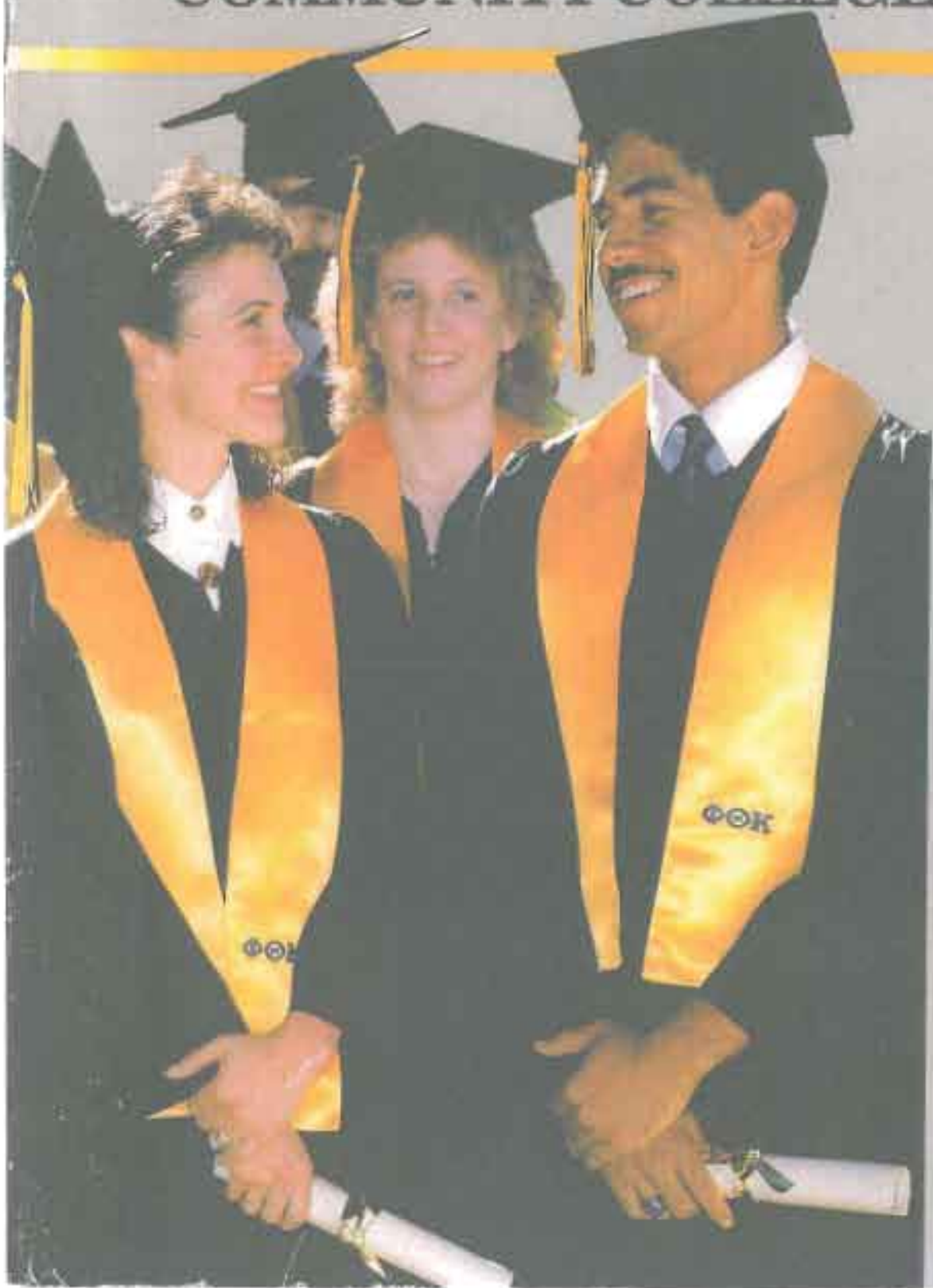


PASCO-HERNANDO

COMMUNITY COLLEGE



1990-1991
Catalog
and Student
Handbook

PASCO-HERNANDO COMMUNITY COLLEGE

A community college publicly supported by the people of the State of Florida



DISTRICT OFFICE

2401 County Road 41 North
Dade City 33525-7599
904/567-6701

EAST CAMPUS

2401 County Road 41 North
Dade City 33525-7599
904/567-6701

NORTH CAMPUS

11415 Ponce de Leon Boulevard
(U.S. 98 North)
Brooksville 34601-2098
904/796-6726

WEST CAMPUS

10230 Ridge Road
New Port Richey 34654-5199
813/847-2727

SPRING HILL CENTER

11245 Spring Hill Drive
Spring Hill 34609
904/688-8798

GOWERS CORNER CENTER

(located on the west side of US 41,
just north of Highway 52)
c/o East Campus
2401 County Road 41 North
Dade City 33525-7599
813/996-5080

Pasco-Hernando Community College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the Associate Degree.

The seal of Pasco-Hernando Community College is a conquistador's helmet crested by the name of the college. The helmet represents the rich heritage of the district which dates back to the explorer, Hernando DeSoto. The two-county area was called Hernando until 1887 when Pasco County was formed. The district map is superimposed on the dome of the helmet, emphasizing the commitment of the college to serve the entire district. The learning lamp provides light for education and opportunity throughout the district.

PASCO-HERNANDO COMMUNITY COLLEGE

Bulletin 6Hx19-8

1990-1991

Volume XVIII
Published By
Pasco-Hernando Community College
2401 County Road 41 North
Dade City, FL 33525-7599

Pasco-Hernando Community College subscribes to and endorses equal employment and educational opportunity. Its policies and practices will ensure non-discriminatory treatment of all persons without regard to race, color, age, religion, marital status, sex, handicap, or national origin.

The college reserves the right to make changes in rules, calendar, fees, and offerings as circumstances may require.

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PASCO-HERNANDO COMMUNITY COLLEGE

DISTRICT BOARD OF TRUSTEES

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Marc Bowman, Vice Chair

Judith F. Braak
James G. Cummings
Gregory G. Gay

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Martha Price Director of Division of Health Sciences
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Paul Szuch Assistant Dean of Instruction, North Campus
John R. Griffith Director of Development

RESOLUTION

RESOLVED, that the District Board of Trustees, Pasco-Hernando Community College, is committed to serving the entire district with a comprehensive educational program of high quality, emphasizing college parallel programs, vocational/technical opportunities, and community service courses.

FURTHER RESOLVED, that we visualize a district-wide campus with every corner of the district being served as courses are taken wherever they are needed.

THE DISTRICT BOARD OF TRUSTEES



**Mark Browning,
Chair**



**Marc Bowman,
Vice Chair**



Judith Braak



James Cummings



Gregory Gay



Teresa Guerrero, M.D.



Thomas Hogan



James Sasser



Harold Vinecour

PASCO-HERNANDO COMMUNITY COLLEGE

COLLEGE CALENDAR

1990-91

Activity	Session I Fall	Session II Winter
Advisement of Continuing Students	July 18-July 24	November 12-November 21
Orientation of New Students	July 18-July 24	November 12-November 21
Advisement of All Students	July 25-August 7	November 28-December 11
Registration of All Students (By Appointment)	August 8-August 21	December 12-December 21 January 2-January 4
Faculty Reports	August 16	January 3
Classes Begin	August 22	January 7
Late Registration, Drop/Add	August 22-August 31 (by 4:30 p.m.)	January 7-January 16
CLAST Registration Deadline	September 7	January 25
No Classes	October 6	February 23 March 5-March 9
Applications Due for End of Term Graduation	September 13	January 18
Last Day - Drop/Add	August 31	January 15
Last Day to Use Book Authorizations	September 7	January 22
CLAST Review	September 15	February 2
Financial Aid Disbursement	October 5	February 22
CLAST Test Administration	October 6	February 23
Progress Grades Distributed to Students	October 15-October 20	February 25-March 2
Last Day to Withdraw or Change to Audit	October 26 (by 4 p.m.)	March 15 (by 4 p.m.)
Last Day of Classes	December 17	May 4
Last Day for Faculty, Grades turned In by 4:30 p.m.	December 18	May 6
Graduation		May 8
Holidays: Labor Day	September 3	
Veterans Day	November 12	
Thanksgiving	November 22-November 24	
Winter Break	December 24-January 1	
Martin Luther King's Birthday		January 14
Spring Break		March 8

PASCO-HERNANDO COMMUNITY COLLEGE

COLLEGE CALENDAR

1990-91

Activity	Session IIIA Summer	Session IIIB Summer	Session III
Advisement of Continuing Students	April 15-April 19	May 28-May 30	April 15-April 19
Orientation of New Students	April 15-April 19	June 3-June 6	April 15-April 19
Advisement of All Students	April 22-April 30	June 10-June 13	April 22-April 30
Registration of All Students (By Appointment)	May 1-May 7	June 17-June 24	May 1-May 7
Faculty Reports	May 7	June 24	May 7
Classes Begin	May 8	June 25	May 8
Late Registration, Drop/Add	May 8-May 10	June 25-June 27	May 8-May 10 (by 4:30 p.m.)
CLAST Registration Deadline	May 3	May 3	May 3
Applications Due for End of Term Graduation	May 15	July 1	July 1
Last Day - Drop/Add	May 10	June 27	May 10
Last Day to Use Book Authorizations	May 17	July 5	May 17
CLAST Review	May 11	May 11	May 11
Financial Aid Disbursement	June 14	August 2	June 14
CLAST Test Administration	June 1	June 1	June 1
Last Day to Withdraw or Change to Audit	June 3	July 18	July 3
Last Day of Classes	June 19	August 6	August 6
Last Day for Faculty Grades Due to Provost by 4:30 P.M.	June 20	August 7	August 7
Holidays: Memorial Day	May 27		May 27
Independence Day		July 4	July 4

FOUNDATION BOARD OF DIRECTORS

EXECUTIVE COMMITTEE

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 Vice Chair David Class
 Secretary Milton O. Jones, Ph.D.
 Treasurer Wayne L. Cobb

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Marc W. Bowman	Alric C.T. Pottberg
Wayne R. Coulter	Donald K. Vierling, M.D.
Hugh C. McGeehan	Roland D. Waller
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Richard E. McGee, Sr.	



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Dr. Robert W. Judson, Jr.
Vice President



**Dr. Omar H. Egle, Jr., Provost, North Campus and
Dean of Vocational/Technical Programs**



Dr. L. Kim Porter
Provost, East Campus



Dr. Michael G. Rom
Provost, West Campus



Dr. Sylvia M. Thomasson
Dean of Student Services

Pasco-Hernando Community College

History

Pasco-Hernando Community College, the newest of Florida's twenty-eight community colleges, was established in 1967 by the State Legislature. In the fall of 1971, following surveys and studies by the school boards of Pasco and Hernando counties, a 100-acre tract of land northwest of Dade City was approved for the East Campus.

The District Board of Trustees, composed of five members from Pasco County and four members from Hernando County, was commissioned in January 1972. Shortly thereafter, Dr. Milton O. Jones was chosen the first President, and classes began in August 1972.

The first phase of construction of the East Campus began in 1973 and, upon completion, was dedicated by Governor Reubin O'D. Askew in August 1975. Since that time, the Charles E. Conger Library, the Occupational Laboratory Building, and physical education facilities have become operational. The District Administration Office is located on the East Campus also.

In 1973 a 140-acre site was chosen near New Port Richey for the West Campus. Initial construction began in July 1975 and was finished one year later. Subsequent campus additions include the Library, the Teaching Auditorium, the Occupational Laboratory, increased classroom space, and the Physical Fitness Center.

One hundred acres north of Brooksville were selected in 1974 for the North Campus location. First phase construction was completed in the summer of 1977. The Alfred A. McKethan Library, the Occupational Laboratory Building, and physical education facilities have been added. In addition, a small center was located in the growing Spring Hill area in 1979. This facility was remodeled and expanded in 1988.

In February of 1985, a center was opened at Gowers Corner. This facility is used to house the Pasco-Hernando Community College Police Academy and to train law enforcement officers for all law enforcement agencies throughout Pasco County.

Accreditation

Pasco-Hernando Community College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the associate degree.

College Mission Statement Statement of Philosophy

Pasco-Hernando Community College is a comprehensive community college established to provide for the educational needs and interests of youth and adults. Accordingly, the college provides opportunities for academic, personal, and cultural enrichment, for the advancement of skills, for the better understanding of our world, and for the development of the individual to become a more responsible citizen in our ever-changing society.

Objectives

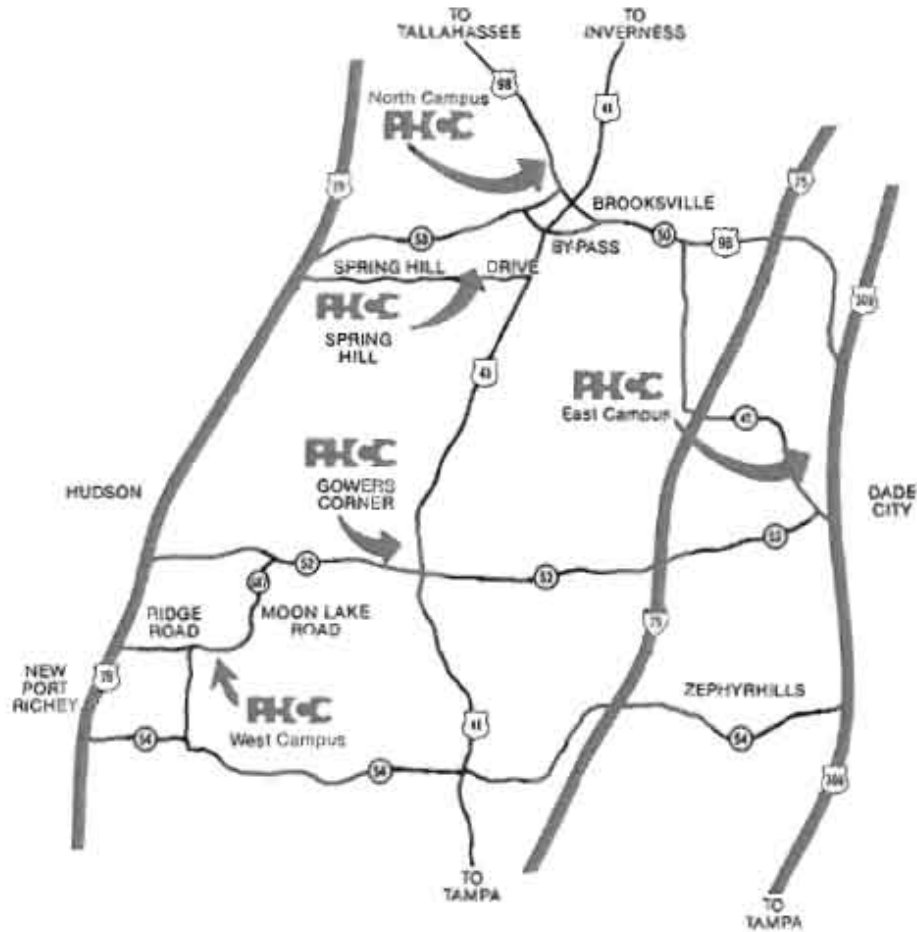
Pasco-Hernando Community College shall:

- A. Provide the first two years of postsecondary instruction which lead to the baccalaureate degree;
- B. Provide comprehensive vocational education programs which prepare students for employment in business, industry, and service occupations;
- C. Provide adult vocational and continuing education;
- D. Promote the opportunity for economic development for the state within the district;
- E. Provide community instructional opportunities for cultural enrichment and personal development.

College Catalog/Student Handbook

The college catalog/student handbook is the official document which outlines the requirements and regulations that relate to students. It is the responsibility of each student to be aware of and understand these requirements and regulations. For graduation purposes, a student has the option of remaining under the catalog provision in effect at the time of initial enrollment at the college or any subsequent catalog, provided that the catalog is no more than three (3) academic years old in the term that the student meets all graduation requirements.





East Campus and District Office

2401 Country Road 41 N.
 Dade City, Florida 33525-7599
 (904) 567-6701

North Campus

11415 Ponce de Leon Blvd.
 (U.S. 98 North)
 Brooksville, Florida 34601-2098
 (904) 796-6726

Spring Hill Center

11245 Spring Hill Drive
 Spring Hill, Florida 34609
 (904) 688-8798

West Campus

10230 Ridge Road
 New Port Richey, Florida 34654-5199
 (813) 847-2727

Gowers Corner Center

(located on the west side of U.S. 41,
 just north of Highway 52)
 c/o East Campus
 2401 County Road 41 North
 Dade City, Florida 33525-7599
 (813) 996-5080

ADMISSIONS

Admission to Pasco-Hernando Community College is a two-step process: Step 1—admission to the college; Step 2—admission to a program. However, a student may take some courses without seeking a degree or a certificate.

Admission to the College

There are several ways prospective students can be eligible for admission to Pasco-Hernando Community College. Applicants should understand that admission to the college does not imply admission to any particular program or course. Applicants should understand also that admission to specific academic programs may be limited by state law, state and federal regulations, or by Rules of the District Board of Trustees. All candidates must complete the official application form and pay the application fee.

U.S. Citizens

Applicants 19 years of age or older, except those referred to under "Delayed Admission," may be admitted to the college upon submitting the application form. Supporting documents are not required.

Applicants under 19 years of age, except those referred to under "Delayed Admission," must provide one of the following documents in addition to the application form before formal admission is granted:

- An official high school transcript
- GED scores
- A Credit Bank Form approved by the high school principal (required before registration each semester)
- An Early Admission Form approved by the high school principal (required before the first registration)
- A Dual Enrollment Form approved by the high school principal (required before registration each semester)

Admission will be considered as tentative until the required transcripts or GED scores are submitted. The applicable documents must be received by the end of the first term of enrollment.

Delayed Admission

1. Transfer students who are on academic probation from another college may not enter P-HCC until they have had an interview with a counselor
2. Transfer students who are on academic suspension or who have been dismissed for academic reasons from another institution may not enter P-HCC without the permission of the Dean of Student Services
3. In accordance with Florida Statutes, a student who has previously been expelled from a Florida community college or university for unlawful possession, sale, or use of narcotic drugs will not be admitted to P-HCC for a period of one year from the date of that expulsion. A student who has been found guilty of campus disruption will not be admitted to P-HCC for a period of two years from the date of such finding.

High School Graduates

Graduates of secondary schools accredited by the State of

Florida or a regional accrediting agency will be accepted in good standing.

Graduates from non-accredited secondary schools will be accepted on academic probation if under the age of 19.

GED

Students who have successfully completed the General Education Development Test (GED) will be admitted in good standing. However, students who have not obtained a GED will be encouraged to do so.

Students who are at least 19 years of age and have not graduated from high school, but who satisfy all other requirements, are eligible for admission in good standing to the college. Admission to limited-access programs may, however, be restricted by state law, state and federal regulations, or by Rules of the District Board of Trustees of Pasco-Hernando Community College.

Students with Certificates of Completion

Students who have received Certificates of Completion or Attendance from a Florida public high school may be admitted to the college, but are not eligible to enter the Associate in Arts Program or limited-access programs. An official transcript sent from the high school directly to the Records Office must be received prior to admission to the college.

Transfer Students

Students will be accepted in good standing from fully accredited colleges or universities provided they do not fall under one of the categories classified as "Delayed Admission."

Students will be accepted on a provisional basis from non-accredited colleges and universities. Transfer credit may be granted upon completion of 15 semester hours of course credit from P-HCC with a "C" or better average. An official transcript sent from the non-accredited college or university directly to the Records Office is required before transfer credit can be granted. To be eligible for consideration, the non-accredited college or university must be recognized by the American Association of Collegiate Registrars and Admissions Officers. It is the responsibility of the student to request an evaluation of the transcript in order to receive transfer credit.

Admission to Programs and Courses

Formal admission to a program is dependent upon receipt of the required documents. In addition, admission to certain programs may be limited by selection criteria, by federal or state rules, or by the college's ability at the time to serve the number of students desiring entry. Admission to some courses may require the completion of prerequisites, or permission of the

instructor, or prior acceptance into a limited access program. ALL PROGRAMS/COURSES ARE NOT OFFERED ON ALL CAMPUSES.

Upon admission to the college, each student is required to declare an educational goal and to submit "Required Documents." One of the following goals will be selected:

1. Associate In Arts Degree.
2. Associate In Science Degree in (specific program).
3. Certificate in Science In (specific program).
4. Vocational Certificate In (specific program).
5. General Freshman.
6. Other Personal Objectives (such as Personal Enrichment, Transient, Dual Enrollment, Teacher Certification).
7. Career Exploration.
8. Job Upgrading.

A student declaring a goal of Other Personal Objectives, Career Exploration, or Job Upgrading need not supply required documents, but must do so upon changing to a Degree Program or an associated Certificate Program.

Required Documents

Supporting documents are required to enter the following programs:

1. Associate In Arts and Associate In Science degrees: High school transcript or its equivalent, except as provided in FS 240.115 (4); and an official transcript sent to the Records Office by each college or university attended.
2. Certificates: See catalog section for the specific certificate. Required documents may vary for different certificate programs. (See pages 65 through 69.)

All transcripts and GED scores must be mailed directly from the granting institution or agency to the Records Office at the student's home campus. Mailing addresses are printed on the back cover of this catalog/student handbook.

It is the responsibility of the applicant to ensure that all credentials have been received in the appropriate Records Office.

Admission to Programs of Acceleration

Pasco-Hernando Community College has established several ways for a high school and/or college student to earn a degree at an accelerated pace. These methods are as follows:

Advanced Placement

College credit may be granted to a student who presents a minimum qualifying score on one or more of the Advanced Placement Program examinations of the College Entrance Examination Board as outlined in District Board of Trustees Rule 6Hx19-3.24. These examinations must be taken prior to enrolling in the college, except for Credit Bank and Dual Enrollment students. (See Page 29.)

College Level Examination Program (CLEP)

Up to 30 hours of credit may be awarded upon satisfactory completion of the CLEP General Examination at the 50th

percentile or above. These credits are awarded on the basis of knowledge gained prior to college or university study in the subject area. Additional semester hours of credit may be awarded for CLEP Subject Examinations if scores are at or above the percentile specified in the Rules of the State Board of Education. (See Page 29).

Credit Bank

A high school student may be admitted to the credit bank program. This program allows students to remain in high school and receive college credit with permission from the principal. This permission must be obtained by completion of a "Credit Bank Form" with each P-HCC registration. Credit will be held in escrow until the student completes all admission requirements. When the student supplies an official transcript indicating high school graduation, or a letter from a high school official indicating that graduation requirements have been met, the student may officially enter P-HCC or have the credits transferred to another college. This method of acceleration extends to students younger than 19 years of age who are actively seeking GED status, with the appropriate approval from the public school system.

Credit-by-Examination

A student may receive credit for courses approved for Credit-by-Examination by passing a comprehensive examination prepared and administered by college personnel. (See Page 29).

A grade of satisfactory ("S") will be awarded if the exam score is "A," "B," or "C." A grade of unsatisfactory ("U") will be awarded if the exam score is "D" or "F."

Dual Enrollment/College

A P-HCC student may be enrolled at another institution concurrent with his/her P-HCC enrollment by securing written permission in advance from the Assistant Dean of Student Services. This procedure is necessary to assure the acceptance of credit involved.

A student may be enrolled in a dual enrollment status at P-HCC when accepted at another institution and with the written permission from the registrar of that institution. The written permission from the registrar of the other institution is required with each P-HCC registration.

Dual Enrollment/High School

A public high school student may be dually enrolled at P-HCC with the permission of the high school principal. This permission must be obtained by the completion of a "Dual Enrollment Form," signed by the high school principal, with each P-HCC registration. Credit earned will apply toward high school graduation as well as toward college credit.

Early Admission

A public high school student, not currently enrolled in high school, may enroll at P-HCC with the permission of his/her high school principal. This permission must be obtained by completion of an "Early Admission Form," signed by the high school principal, with each P-HCC registration. Credit earned applies toward high school graduation as well as college credit.

Transient Students

A P-HCC student may be enrolled at another institution as a transient student by securing written permission from the Assistant Dean of Student Services. This procedure is necessary to assure the acceptance of credit involved.

A student may be enrolled in a transient status at P-HCC when accepted at another institution and with the written permission from the registrar of that institution. The written permission from the registrar of the other institution is required with each P-HCC registration.

Admission to the AA Degree Program

To enter the AA degree program, a high school graduate who graduated after August 1, 1987, must have four (4) years of secondary school English, three (3) years of secondary school mathematics, three (3) years of secondary school science, and three (3) years of secondary school social studies.

Graduates of public schools in Florida are required to meet these requirements. Those who have completed the Florida GED test successfully are usually considered to have met these requirements.

Graduates of private or out-of-state high schools may meet the requirements by supplying an official transcript. Those whose transcripts do not indicate compliance may meet the requirements by taking and completing successfully appropriate 1000 Level and 2000 Level courses at P-HCC. Each three-semester-hour 1000 and 2000 Level P-HCC course is equivalent to one year of secondary school study. Upon completion of the admission requirements, the student may enter the AA program provided all other admission criteria have been satisfied.

Students must provide appropriate documentation to verify this high school or GED completion from either Florida or out-of-state institutions.

Admission to Specialized Limited Access Health Programs

Admission to the Nursing Programs and Emergency Medical Services/Paramedics Programs is restricted to students selected by the Admissions Committee for Special Programs. All minimum requirements must be fulfilled prior to the following established deadlines for the respective program in order to be considered for that program:

Certificate in Practical Nursing	—	July 1 st
Associate in Science in Nursing (LPN Track)	—	End of Session I
Associate in Science in Nursing (Generic Track)	—	July 1 st
Associate in Science in Nursing (Paramedic Track)	—	1 st BA
Emergency Medical Services/Paramedics Program	—	July 15 th
Dental Assisting	—	July 15 th

Admission to the college does not imply acceptance into any of the above-mentioned Programs. Students are selected to enter in Session I of each year for the Associate Degree Nursing Program (Generic Track), Emergency Medical Services/Paramedics Programs, Practical Nursing Program, and Dental Assisting Program. Students are selected to enter in Session IIIA of each year for the Associate Degree Nursing Program (Licensed Practical Nurse Track). Associate Degree Nursing Program (Paramedic Track) offerings may vary from year to year.

Information about applications can be obtained from the Student Services Office on any P-HCC campus or from the Health Programs Office on the West Campus. Admission packets are available on all campuses beginning in October.

Nursing Programs

Application and Admission Requirements

1. Receipt of completed college application, including required fee, by the District Records Office, West Campus.
2. Receipt of completed Nursing Program application by the Health Programs Office, West Campus.
3. Receipt of official high school transcript, including graduation, or GED scores or equivalent, by the District Records Office, West Campus. (A partial transcript of all completed courses will be accepted if the applicant is currently a high school senior. A complete official transcript must be submitted after graduation and prior to enrollment in the program.) It is the responsibility of the applicant to request all transcripts well in advance of the established application deadline dates (see Admission to Specialized Limited Access Health Programs on this page).
4. Receipt of official college transcript from every college attended, other than P-HCC, by the District Records Office, West Campus. It is the responsibility of the applicant to request all transcripts well in advance of the established application deadline dates.
5. Receipt of a copy of current Florida LPN license by Director of Admissions/Records at West Campus (ADN/LPN Track only).
6. Receipt of a copy of current Florida Paramedic license by Director of Admissions/Records at West Campus (ADN/Paramedic Track only).
7. Cumulative grade-point average (GPA) of 2.0 as of the application deadline date, if applicable.
8. Completion of required nursing prerequisite courses, with a grade of "C" or better, by the application deadline date.
9. Successful achievement on the National League of Nursing Pre-Admission examination with a minimum score of 40th percentile prior to deadline date.
10. Completion of the TABE Basic Skills Test with minimum grade levels of 11th grade in Language (English and Reading) and 9th grade in Mathematics (Certificate in Practical Nursing Program only).
11. All materials in Items 1 through 6 must be received, and Items 7 through 10 must be satisfied, by the application deadline date.

Selection Procedures (Nursing)

Residents of Pasco and Hernando counties will have preference over out-of-district residents. Graduates of P-HCC Practical Nursing and Paramedics programs will have preference over other applicants (ADN/LPN and ADN/Paramedic Tracks).

ADN Program Tracks:

1. Applicants who meet minimum requirements as of deadline dates will be rank ordered, highest to lowest, on a composite score devised by multiplying the GPA on prerequisite courses by the NLN percentile score.
2. Sixty (60) to seventy-two (72) candidates will be selected for the ADN/Generic Track.
3. Twelve (12) candidates will be selected for admission to the ADN/LPN Track. Additional candidates will be selected on a space-available basis.
4. Twenty-four (24) candidates will be selected for the ADN/Paramedic Track.
5. All other applicants who meet minimum admissions requirements by the deadline date will be selected as alternates with admission on a space-available basis.

Practical Nursing Program:

1. Applicants who meet minimum requirements as of the deadline date will be rank ordered, highest to lowest, on a composite score devised by multiplying the sum of the TABE sub-test scores by the NLN percentile score.
2. Thirty-six (36) candidates will be selected.
3. All other applicants who satisfy the minimum requirements by the deadline date will be selected as alternates with admission on a space-available basis.

Acceptance Procedures

Applicants will be notified in writing of their selection as candidates or alternates. Candidate and alternate selections are conditional and are dependent on the following:

1. Receipt of the written statement of acceptance or rejection in the Records Office on the West Campus by the date specified in the letter of notification.
2. Certification of good health by submission of results of a physical examination conducted by a physician or a Registered Nurse Practitioner by the date specified in the letter of notification.
3. Registration and payment of fees at the time and place specified by the Health Programs Office.

Failure to comply with any one of the above procedures may result in the space being allotted to an alternate.

Paramedics Certificate Program

Application and Admission Requirements

1. Completed college application including required fee.
2. Completed Paramedic Program Application.
3. Official high school transcript including graduation or GED scores or equivalent and official college transcripts from every college attended other than P-HCC. A partial transcript will be accepted if the applicant is currently enrolled as a high school senior or attending another institution. A complete official transcript must be submitted prior to enrollment in the program. It is the responsibility of the applicant to ensure that all transcripts have been received prior to the established deadline dates.
4. Cumulative college grade-point average (GPA) of 2.0 as of the application deadline, if applicable.
5. Receipt of a copy of current Florida EMT license by Director of Admissions/Records at West Campus.
6. Completion of the TABE Basic Skills Test with minimum grade levels of 11th grade in Language (English and Reading) and 9th grade in Mathematics.
7. Completion of a qualifying examination with a grade of "C" or better prior to the established deadline date.

Selection Procedures (Paramedics)

Residents of Pasco and Hernando counties will have preference over out-of-district residents.

1. Applicants who meet minimum requirements by the deadline date will be rank-ordered, highest to lowest, on a composite score devised by multiplying the sum of the TABE sub-test scores by the qualifying examination scores.
2. Applicants for first-time entry into a Paramedic Program will be considered first.
3. Applicants for repeat of a Paramedic Program resulting from non-achievement of state licensure will be considered second.
4. Thirty (30) candidates will be selected for the program.
5. All other applicants who satisfy the minimum requirements by the deadline date will be selected as alternates with admission on a space-available basis.

Acceptance Procedures

Applicants will be notified in writing of their selection as candidates or alternates. Candidate and alternate selections are conditional, and are dependent on the following:

1. Receipt of the written statement of acceptance or rejection in the Records Office on the West Campus by the date specified in the letter of notification.
2. Certification of good health by submission of results of a physical examination conducted by a physician or a Registered Nurse Practitioner by the date specified in the letter of notification.
3. Registration and payment of fees at the time and place specified by the Health Programs Office.

Failure to comply with any one of the above procedures may result in the space being allotted to an alternate.

Dental Assisting Program

Application and Admission Requirements

Admission to the Dental Assisting Program is restricted to students selected by the Admissions Committee for Special Programs. All minimum requirements for admission must be fulfilled prior to the established deadline for the program.

Admission Application Deadline Date: July 15th.

Minimum requirements for consideration of the applicant are as follows:

1. Completed college application, including required fee, to be received by the Records Office, West Campus.
2. Completed Dental Assisting Program Application to be received by the Health Programs Office, West Campus.
3. Official transcripts from every college attended, other than P-HCC.
4. Completion of the TABE Basic Skills Test with a minimum grade level of 10th grade in Reading and 8th grade in English and Mathematics.
5. Completion of the Manual Dexterity Test with a minimum score of 50%.

Selection Procedures (Dental Assisting)

Residents of Pasco and Hernando counties will have preference over out-of-district residents.

1. Applicants who meet minimum requirements as of the deadline date will be rank-ordered, highest to lowest, on a composite score devised by multiplying the sum of the TABE sub-test scores by the Manual Dexterity percent score.
2. Twenty-two (22) candidates will be selected.
3. All other applicants who satisfy the minimum requirements by the deadline date will be selected as alternates with admission on a space-available basis.

Acceptance Procedures

Applicants will be notified in writing of their selection as candidates or alternates. Candidate and alternate selections are conditional and are dependent on the following:

1. Receipt of the written statement of acceptance or rejection in the Records Office on the West Campus by date specified in the letter of notification
2. Certification of good health by submission of results of a physical examination conducted by a physician or a Registered Nurse Practitioner by the date specified in the letter of notification.
3. Registration and payment of fees at the time and place specified by the Health Programs Office.

Failure to comply with any one of the above may result in the space being allotted to an alternate.

Minimum Qualifications for Linkage Program Applicants

Of the several Linkage Programs, six are currently available on a limited enrollment basis to applicants from Pasco-Hernando Community College:

Dental Hygiene at St. Petersburg Junior College
Physical Therapist Assistant at St. Petersburg Junior College
Nuclear Medicine at Hillsborough Community College
Radiation Therapy at Hillsborough Community College
Respiratory Therapy at St. Petersburg Junior College
Sonography at Hillsborough Community College

Each of these programs admits one class each year, is limited to Florida residents, and allocates a specific number of spaces to Pasco-Hernando Community College. Applications must be submitted to a counselor on one of the Pasco-Hernando Community College's campuses prior to the application deadline of the program for the year admission is desired. Pasco-Hernando Community College will forward applications from qualified students to the sponsoring college for final selection by that institution.

The minimum qualification for each Linkage Program is successful completion of at least 15 semester hours of work toward an AA or AS Degree at Pasco-Hernando Community College with a cumulative GPA of 3.0.

Also available on a limited enrollment basis to applicants from Pasco-Hernando Community College is the Radiology Program at St. Petersburg Junior College through a consortium agreement. Minimum qualifications for participation in a consortium agreement differ from those of a Linkage Program, and interested P-HCC students must have a counselor interview prior to enrollment.

Minimum Qualifications for the Cosmetology Program

Students who are nineteen (19) years of age or older, whether or not they have graduated from high school or have satisfactorily completed the GED Test, are eligible to enter the Cosmetology Program if they have met the requirements of the State Board of Cosmetology and provide the documentation listed on page 13 under "Required Documents."

APPLICATION PROCEDURE

A prospective student may obtain an application from a district high school guidance counselor or any P-HCC counseling office. The mailing addresses for all transcripts, GED scores, and all other application materials are as follows:

East Campus

Director of Admissions/Student Records
Pasco-Hernando Community College
2401 County Road 41 North
Dade City, FL 33525-7599

North Campus

Director of Admissions/Student Records
Pasco-Hernando Community College
11415 Ponce de Leon Boulevard
Brooksville, FL 33573-2098

West Campus

Director of Admissions/Student Records
Pasco-Hernando Community College
10230 Ridge Road
New Port Richey, FL 34654-5199

- A. The applicant should mail the application with a \$10 application fee to one of the addresses above or present it in person at any P-HCC counseling office. Florida residents seeking the reduced course fee must complete a residency affidavit.
- B. An application with fee must be submitted and the student must be formally admitted to the college before registration for courses is considered final. It is emphasized that this fee covers the administrative expenses incidental to admission, is unrelated to registration for courses, and is **NOT** normally refundable.
- C. Test scores are required for admission from all first-time-in-college degree-seeking students.
- D. The student will be notified of tentative acceptance as soon as possible after the application is received.



FEES AND EXPENSES

All fees are subject to change based on Implementation of FS 240.35.

Course Fees

The following schedule of fees is applicable to all students, including those in an audit status:

- *Florida Resident/College Credit \$25 per credit hour
- *Non-Florida Resident/College Credit . . . \$50 per credit hour
- *Florida Resident/Vocational Credit . . . \$14 per credit hour
or Adult Vocational \$.50 per clock hour
- *Non-Florida Resident/
Vocational Credit \$28 per credit hour
or Adult Vocational \$1.00 per clock hour
- *Florida Resident/
College Preparatory Credit \$25 per credit hour
- *Non-Florida Resident/
College Preparatory Credit \$50 per credit hour
- *Florida Resident/
Vocational Preparatory Credit \$14 per credit hour
- *Non-Florida Resident/
Vocational Preparatory Credit \$28 per credit hour
- Late Registration \$10

Continuing Education

- *Florida Resident/Non-Credit
Vocational Supplemental \$.75 per contact hour
Adult Vocational (Job
Preparatory) \$.50 per contact hour
- *Non-Florida Resident/Non-Credit
Vocational \$1.50 per contact hour
- **Lifelong Learning (CEL) \$15 per contact hour
Workshops Varies per workshop
- *Includes a five percent (5%) fee for financial aid, student activity and service fee
- **All CEL courses are assessed a special fee of \$.50 per contact hour

Special Additional Fees

All special additional fees are normally non-refundable and non-transferable once paid by the student.

- Application \$10
- Credit-by-Examination
- Credit Courses \$30 per examination
- COS 0131, Cosmetology I
- Written Examination \$30 per examination
- Laboratory Examination \$150 per examination
- Heavy Duty Truck and Bus Mechanics Courses Eligible for Credit-by-Examination
- Written Examination \$30 per examination
- Laboratory Examination \$30 per examination
- NLN Pre-Nursing Examination \$20
- Graduation \$15
- Laboratory (Courses Below) \$5
- BCT 1040 ETD 1530C OST 1801
- EET 2605C OST 1743 OST 2741
- Laboratory (Courses Below) \$15
- APB 181 CET 2123C CHM 2210C COS 0181
- APB 1812L CET 2341C CHM 2211C COS 0182
- ART 1300C CGS 1000 COP 2120 COS 0183
- ART 1301C CGS 1061 COP 2121 DEA 0700A
- ART 2510 CGS 1570 COP 2170 DEA 0700B
- ART 2520 CGS 2510 COP 2200 DEA 0700L
- BOT 1010C CGS 2540 COP 2210 EET 1015C
- BSC 1010C CGS 2571 COP 2220 EET 1025C
- BSC 1011C CHM 1025C COS 0131 EET 2142C
- CET 2114C CHM 2045C COS 0132 EET 2146C
- CET 2121C CHM 2046C COS 0133 EET 2215C

Laboratory (Courses Below) (continued) \$15

EET 2326C	NUR 1020C	NUR 2460C	PGY 1102C
EMS 1119C	NUR 1201C	NUR 2711C	PHY 1053C
EMS 2219C	NUR 1520C	NUR 2991C	PHY 1054C
EMS 2229C	NUR 1710C	NUR 2992C	PRN 0601
EMS 2425	NUR 1990C	OST 1721	PRN 0630
ETD 1315C	NUR 1991C	OST 1722	PRN 0631
ETD 1651C	NUR 1992C	PGY 1101C	ZOO 2010C
MCB 2013C	NUR 2412C		

Laboratory (Courses Below) \$20

PMT 0106	PMT 0122	PMT 0135	PMT 0164
PMT 0112	PMT 0131	PMT 0138	PMT 0175
PMT 0121	PMT 0134	PMT 0158	

Laboratory (Courses Below) \$25

TPA 2525A	TPA 2525B
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Music Ensemble Courses \$20

MUN 1450	MUN 1710
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Physical Education Courses \$5

PEL 1341	PEL 1342	PEL 1441
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Physical Education Courses \$50

PEL 1111

All Applied Music Courses \$90

Vocational Credit Programs (As Noted Below)

ACO 0001	\$135	CJD 0003	\$155	HCP 0600	\$15
CGS 0991	\$168.75	CPT 0994	\$51.80	OFT 0011	\$135
CJD 0000	\$156	FFP 0005	\$24		

Applied Sociology, Child Care Services, Cosmetology, Dental Assisting, Electrocardiograph Technology, Emergency Medical Services/Paramedic, Health Unit Coordinator, Human Services, Medical Office Assistant, Medical Records Transcribing, Nursing, Nursing Assistant/Geriatric and Rehabilitative Aide, Patient Care Assistant, Phlebotomy Technician, Practical Nursing — Individual Professional Liability Insurance \$12.50 per year

Florida Real Estate Examination \$7

Returned Check \$5

Fee for Writing Validation (CLEP — See Page 29) . . . \$30



REFUNDS

Credit Courses

A 100% refund of fees, not including the application fee, may be granted if withdrawal occurs before the end of the drop/add period for a session as specified in the College Calendar. Refunds after the end of the drop/add period are authorized only in the event of a student's death, or when a scheduled course is cancelled by the college, or in case of administrative error by the college. The fee for late registration shall not be refunded, except in instances where the only course in which the student is enrolled is(are) cancelled by the college.

For courses that start at a time other than the beginning of a regular session, the final refund date shall be the end of the day on which ten (10) percent of the prescribed number of instructional hours in the course occurs. The application fee will not be refunded except when the only course(s) for which a student is registered is(are) cancelled by the college.

The College Bookstore will accept textbook returns for refunds during the registration, drop/add, and the immediate week following the end of the drop/add periods. Bookstore personnel cannot issue a refund if: the textbook has been written in or damaged in any way; the textbook is wrapped in plastic, and the plastic has been removed; or without the original cash register receipt.

A claim for refund due to death must be in writing and signed by a person legally authorized to act for the deceased.

Continuing Education Courses

A full refund will be given to a student who withdraws from any Continuing Education class prior to the third class meeting as long as the third class meeting does not exceed twenty-five (25) percent of the number of instructional hours in the course. No refund will be given after this point. No refund will be given for conferences, institutes, workshops, seminars, or special training programs after the published starting date. The application fee will not be refunded except when the only course(s) for which a student is(are) registered is(are) cancelled by the college.

RESIDENCY FOR TUITION PURPOSES

For the purpose of assessing registration fees, the following provisions of Florida Statute 240.1201, amended, effective July 1, 1985, will govern actions by the college:

"Students shall be classified as residents or nonresidents for the purpose of assessing tuition fees in public community colleges and universities.

(2) (a) To qualify as a resident for tuition purposes:

1. A person or, if that person is a dependent child, his/her parent or parents must have established legal residence in this state and must have maintained legal residence in this state for at least 12 months immediately prior to his/her qualification.

2. Every applicant for admission to an institution of higher education shall be required to make a statement as to his/her length of residence in the state and, further, shall establish that his/her presence or, if he/she is a dependent child, the presence of his/her parent or parents in the state currently is, and during the requisite 12-month qualifying period was, for the purpose of maintaining a bona fide domicile, rather than for the purpose of maintaining a more tem-

porary residence or abode incident to enrollment in an institution of higher education.

(b) However, with respect to a dependent child living with an adult relative other than the child's parent, such child may qualify as a resident for tuition purposes if the adult relative is a legal resident who has maintained legal residence in this state for at least 12 months immediately prior to the child's qualification, provided the child has resided continuously with such relative for the five (5) years immediately prior to the child's qualification, during which time the adult relative has exercised day-to-day care, supervision, and control of the child.

(c) The legal residence of a dependent child whose parents are divorced, separated, or otherwise living apart will be deemed to be this state if either parent is a legal resident of this state, regardless of which parent is entitled to claim, and does in fact claim, the minor as a dependent pursuant to federal Individual Income tax provisions.

(3) An individual shall not be classified as a resident for tuition purposes and, thus, shall not be eligible to receive the in-state tuition rate until he/she has provided such evidence related to legal residence and its duration as may be required by officials of the institution of higher education from which he/she seeks the in-state tuition rate.

(4) With respect to a dependent child, the legal residence of such individual's parent or parents is prima facie evidence of the individual's legal residence, which evidence may be reinforced or rebutted, relative to the age and general circumstances of the individual. However, the legal residence of an individual whose parent or parents are domiciled outside this state is not prima facie evidence of the individual's legal residence if that individual has lived in this state for five (5) consecutive years prior to enrolling or reregistering at the institution of higher education at which residence status for tuition purposes is sought.

(5) In making a domiciliary determination related to the classification of a person as a resident or nonresident for tuition purposes, the domicile of a married person, irrespective of sex, shall be determined, as in the case of an unmarried person, by reference to all relevant evidence of domiciliary intent. For the purposes of this section:

(a) A person shall not be precluded from establishing or maintaining legal residence in this state and subsequently qualifying or continuing to qualify as a resident for tuition purposes solely by reason of marriage to a person domiciled outside this state, even when the person's spouse continues to be domiciled outside of this state, provided such person maintains his/her legal residence in this state.

(b) A person shall not be deemed to have established or maintained a legal residence in this state and subsequently to have qualified or continued to qualify as a resident for tuition purposes solely by reason of marriage to a person domiciled in this state.

(c) In determining the domicile of a married person, irrespective of sex, the fact of the marriage and the place of domicile of such person's spouse shall be deemed relevant evidence to be considered in ascertaining domiciliary intent.

(6) Any nonresident person, irrespective of sex, who marries a legal resident of this state or marries a person who later becomes a legal resident may, upon becoming a legal resident of this state, accede to the benefit of the spouse's immediately precedent duration as a legal resident for purposes of satisfying the 12-month durational requirement of this section.

(7) A person shall not lose his resident status for tuition purposes solely by reason of serving, or, if such person is a dependent child, by reason of his parent's or parents' serving, in the Armed Forces outside this state.

(8) A person who has been properly classified as a resident for tuition purposes but who, while enrolled in an institution

of higher education in this state, loses his resident tuition status because he/she, or, if he/she is a dependent child, his/her parent or parents establish domicile or legal residence elsewhere shall continue to enjoy the in-state tuition rate for a statutory grace period, which period shall be measured from the date on which the circumstances arose that culminated in the loss of resident tuition status and shall continue for 12 months. However, if the 12-month grace period ends during a semester or academic term for which such former resident is enrolled, such grace period shall be extended to the end of that semester or academic term.

(9) Any person who ceases to be enrolled at or who graduates from an institution of higher education while classified as a resident for tuition purposes and who subsequently abandons his domicile in this state shall be permitted to reenroll at an institution of higher education in this state as a resident for tuition purposes without the necessity of meeting the 12-month durational requirement of this section if that person has reestablished his/her domicile in this state within 12 months of such abandonment and continuously maintains the reestablished domicile during the period of enrollment. The benefit of this subsection shall not be accorded more than

once to any one person.

(10) The following persons shall be classified as residents for tuition purposes:

(a) Active duty members of the Armed Services of the United States stationed in this state, their spouses and dependent children.

(b) Full-time instructional and administrative personnel employed by state public schools, community colleges, and institutions of higher education, as defined in Florida Statute 228.041, and their spouses and dependent children."

If the applicant qualifies as a bona fide Florida resident, a residency affidavit needs to be submitted as part of the admission requirements. Proof of guardianship is required when applicable.

Application for changing Florida resident status must be made to the Records Office. If application is made after the beginning of a session, it will not become effective until the following session. A new affidavit must be filed every two years and also at each Session I and Session II registration when the student did not attend the previous term.

FINANCIAL AID AND SCHOLARSHIPS

What is Financial Aid?

The purpose of financial aid is to help fill the gap between what it costs to attend college and what the student can afford to pay.

The student and his/her family have the primary responsibility for financing his/her education. However, the Financial Aid Office at Pasco-Hernando Community College can assist by showing where the student may be able to obtain grants, loans, scholarships, and part-time employment and by showing the student how to apply for this assistance.

When Should A Student Apply?

If a student thinks he/she may attend college this year, then the time to apply is **NOW**.

It often takes several months to complete the application process. Keep the following application dates in mind:

- January 1, 1990 — Application period begins.
- April 1, 1990 — Deadline to apply for Florida Student Assistance Grant (FSAG) and most scholarships.
- June 1, 1990 — Priority deadline for financial aid applications. Applications received after June 1 will be considered in order of date received, provided funds are available.
- August 8, 1990 — Registration begins.
- August 22, 1990 — Classes begin
- May 1, 1991 — Deadline to apply for Pell Grant (formerly Basic Grant).

What Are The Application Procedures?

The first thing a student must do is to gather the following financial records for him/herself and his/her family:

- 1989 U.S. Income Tax Record.
- W-2 Forms and other records of money earned in 1989.
- Records of non-taxable income such as veterans' social security, and welfare benefits.
- Current bank statements.
- Current mortgage information
- Records of medical and dental bills paid in 1989.
- Business and farm records.

The student will need this information to complete the Federal Financial Aid Application Form. When completing the application, income information should not be estimated. Verification of the information on the application may be requested at a later date.

Any of the following forms may be used to apply for financial aid:

- An Application for Federal Student Aid (AFSA) may be used, if the student wishes to apply only for Federal Aid Programs.
- A CSS Financial Aid Form (FAF) or an ACT Family Financial Statement (FFS) should be completed by all students wishing to be considered for the Florida Student Assistance Grant and institutional programs. By filing one of these forms, the student will also be applying for the Federal Programs.

Upon completion of one of these forms, the student should mail it to the appropriate agency for processing.

In order to apply for financial aid at Pasco-Hernando Community College, students must also complete the following steps:

- Complete an Application for Admission.
- Complete an Institutional Application for Financial Aid (may be submitted at the time the student brings in his/her Student Aid Report).
- If the student has attended another college or vocational school, complete Part A of a Financial Aid Transcript and send it to that institution.
- Call the nearest campus and make an appointment for orientation/placement testing.

Students must reapply each year. Financial aid awards are not renewed automatically. The following dates apply to the 1991-92 academic year.

- January 1, 1991 — Application period begins.
- April 1, 1991 — Deadline to apply for FSAG and most scholarships.
- June 1, 1991 — Priority deadline for financial aid

How Much Will It Cost To Attend P-HCC?

All fees are subject to change based on implementation of FS 240.35.

The following figures are estimated expenses based on the average costs of all credit programs for 2 semesters (9 months):

	Students living with parents	Students not living with parents
Tuition and Fees	\$ 716.00*	\$ 716.00*
Books and Supplies	320.00	320.00
Personal	1,409.00	1,409.00
Transportation	792.00	792.00
Room & Board	1,500.00	4,190.00
	<u>\$4,737.00</u>	<u>\$7,427.00</u>

*Non-Florida Residents — add \$648.00 in Out-of-State Fees.

Allowances for child care expenses, handicapped-related expenses (not provided by other agencies), and additional adjustments will be considered at the request of the student on a case-by-case basis.

How Is Need For Financial Aid Determined?

If either the FAF or the FFS is used to apply for financial aid, and the student includes the appropriate processing fee, a need analysis will be conducted by the processor. The results will be sent to the college.

A need analysis is used to determine the amount that a student can afford to pay toward cost of attendance. It is a systematic way of measuring a family's ability to pay for educational costs and of determining the student's eligibility for financial aid. In determining how much a student and his/her family can contribute, the need analysis takes into account family income, assets, student income, family size, number in college, and various other factors.

The end result of the need analysis is the expected family contribution. The expected family contribution is the amount that a student and his/her family can reasonably be expected to pay toward the cost of attendance. It measures the ability, not the willingness, of the family to finance the student's education.

The amount of financial need is determined by subtracting the expected family contribution from the cost of attendance.

(Cost of attendance — expected family contribution = financial need — Example: \$4,737 — \$2,200 = \$2,537)

How Does A Student Know If He/She Qualifies?

Approximately 6 to 8 weeks after sending the application to the processor, the student will receive a Student Aid Report (SAR). The student should take the SAR to the campus financial aid counselor. The counselor will let the student know whether or not he/she qualifies for financial aid and will forward the SAR to the District Financial Aid Office on the West Campus for processing.

If the student qualifies for financial aid, an award will be issued provided that:

- All required forms and documents have formally been submitted.
- The student has been formally accepted for admission to the college as a regular student.
- The student enrolls in a program leading to a degree or certificate.
- Except as otherwise provided, the student enrolls for at least 6 hours per session.
- The student is neither in default on a student loan nor owes a refund on a grant.
- The student makes satisfactory academic progress.
- The student meets the U.S. citizenship and the draft registration requirements.

An award letter will be sent to notify the student of financial aid award(s). If the student accepts the award(s), he/she will need to sign and return the award letter by the date indicated. If the student declines the award(s), he/she should indicate such on the letter and return it.

When Is Financial Aid Received?

A student may utilize his/her grant/scholarship award(s) to register and purchase books and supplies for the term, if the amount of his/her award will cover such costs. At the end of registration, any funds owed to the college for such will be deducted from the student award(s) for the term.

Once these deductions have been made, the balance of the award(s) will be paid to the student approximately 30 days after the end of the drop/add period. Students receiving Institutional or Foundation awards will not receive direct payments.

A student receiving a federal loan may pick up his/her check after he/she has registered and paid fees, and has attended class(es) for the session.

Work-Study funds will be paid bi-weekly (based upon hours worked) at the federal minimum wage rate.

What Are The College's Standards of Academic Progress?

Students should know how the college determines whether satisfactory academic progress is being made and the consequences of unsatisfactory progress. The college's Standards of Academic Progress are listed on Page 27.

What If A Student Reduces His/Her Course Load?

A reduction in course load occurs when a student either withdraws from a class(es) or changes to audit after the drop/add period in a given semester. There are two categories of withdrawals/audits:

Category 1 occurs when a student withdraws from or audits a class(es) and never attends the class(es). Awards in this category will be reduced to reflect the enrollment status after the withdrawal/audit. If a student receives funds in excess of the reduced award, the student must refund the excess amount.

Category 2 occurs when a student withdraws from or audits a class (or classes) and attends at least one class meeting in each class. Awards in this category will not be reduced except when a student withdraws from or audits all classes prior to receiving the cash disbursement. The balance of the student's award for the semester will be cancelled after deducting any authorized funds owed to the College.

A late applicant who submits the necessary documents, e.g., the Student Aid Report for the Pell Grant, after the first class day of the semester will be processed based on the enrollment status at the time these documents are received by the College.

What Is The College's Refund Policy?

The college's refund policy appears on Page 18. It is the responsibility of the student to review these policies and be aware of the steps to take to receive a refund.

What Are The Facilities and Services Available To Handicapped Students?

Services to the handicapped are provided on a case-by-case basis at each campus. Alterations to campus physical facilities

ties have been implemented on the basis of Section 504 evaluations. These evaluations were made jointly by administrators and handicapped students. Services and alterations are monitored by both campus and district office administrators.

Where Can A Student Get Help?

Contact the campus financial aid counselor. Information on student assistance may be obtained from personnel and locations listed below:

EAST CAMPUS
2401 County Road 41 North
Dade City, FL 33525-7599
(904) 567-6701

MATT HILLEN, Financial Aid Counselor
DIANE SMITH, Financial Aid Clerk

NORTH CAMPUS
11415 Ponce de Leon Blvd.
Brooksville, FL 34601-2098
(904) 796-6726

LISA SIMON, Financial Aid Counselor
BEVERLY AUSBURN, Financial Aid Clerk

**DISTRICT OFFICE/
WEST CAMPUS**
10230 Ridge Road
New Port Richey, FL
34654-5199
(813) 847-2727

WAYNE BODIFORD, Director of Financial Aid/Veteran Services
TOM SZMYTKOWSKI, Financial Aid Specialist
SHERRY LEHR, Financial Aid Specialist
CINDRA AUGER, Secretary

Information on financial aid programs is also available through CHOICES.

NOTE: The provisions of the following programs are subject to change as actions are taken by the President and Congress, and/or the Florida Legislature.

GRANTS AND SCHOLARSHIPS

Grants and scholarships are considered gift-aid. Financial aid awarded in the form of grants and scholarships does not have to be repaid. Grants are generally awarded to students with financial need. Scholarships are usually awarded to students based on skills and academic attainment.

PELL GRANT

This is the largest of the Government's student aid programs and is the starting point for most students seeking financial aid. Awards for the 1990-91 academic year will depend on the level of program funding.

How To Apply:

Forms are available from counselors.

1. Complete FAF or FFS or AFSA and mail to processor.
2. Complete Application for Admission and Institutional Application for Financial Aid.
3. Request Financial Aid Transcripts (transfer students only).
4. Return Student Aid Report (SAR), which is sent from Pell Grant, to the campus financial aid counselor.
5. Application Period: January 1, 1990 — May 1, 1991.

Eligibility:

1. A student is eligible if he/she is admitted to the college as a regular student.
2. Enrolls for a minimum of 6 semester hours per session.

3. Enrolls in an eligible degree or certificate program.
4. Is a U.S. citizen, national or permanent resident, and has met draft registration requirements.
5. Is making satisfactory academic progress.
6. Is neither in default nor overpayment on student loans or other aid.
7. Has financial need.

Selection of Recipients:

Selection is based upon student's eligibility as determined by the information provided on the SAR.

Determination of Awards:

Awards are based upon the following criteria:

1. The Pell Grant Index on the SAR.
2. The Student's Cost of Attendance.
3. The Student's Enrollment for the session.

Criteria For Continued Eligibility:

1. Continued satisfaction of eligibility criteria.
2. Reapplication each year.

SUPPLEMENTAL GRANT (SEOG)

An SEOG is not an entitlement, as is the Pell Grant. There are no guarantees attached to it. Every year the college receives funds to use for SEOG's. When this money is gone, there are no more SEOG's for that year. That is why it is important to meet the college's financial aid deadline. Awards range from \$100 to \$4000 per year.

How To Apply:

1. Complete FAF, AFSA, or FFS and mail to processor.
2. Complete Application for Admission and Institutional Application for Financial Aid.
3. Request Financial Aid Transcripts (transfer students only).
4. Priority Deadline: June 1.

Eligibility:

Eligibility requirements are the same as those for the Pell Grant.

Selection Of Recipients:

Selection is based on greatest financial need and Pell eligibility. Priority is given on a first-come/first-serve basis to students who apply before June 1st. Applications received after that date will be processed on a first-come/first-serve basis as funds permit.

Determination Of Awards:

Awards are made based on financial need as determined by the need analysis report received by the college from the processor.

Conditions For Continued Eligibility:

1. Continued satisfaction of eligibility requirements
2. Reapplication each year.

FLORIDA UNDERGRADUATE SCHOLARS' FUND

The Florida Undergraduate Scholars' Fund was created by the Florida Legislature to award scholarships to students who demonstrate outstanding academic achievement and who wish to attend a Florida college.

How To Apply:

1. Complete Florida Undergraduate Scholars' Fund Application and mail to Florida Student Financial Assistance Commission, Tallahassee, Florida.
2. Applications will be accepted beginning February 15th of each year.

Eligibility:

A student is eligible if he/she:

1. Is a first-time-in-college student after July 31, 1982.
2. Scored 1200 or above on the Scholastic Aptitude Test or a composite score of 28 or above on the ACT Test and obtained a 3.5 grade-point average in high school academic subjects, or is recognized by the National Merit Scholarship Corporation as a scholar finalist.
3. Enrolls for a minimum of 12 semester hours per term.
4. Has been a resident of Florida for at least 12 consecutive months prior to graduation from high school.

Selection of Recipients:

Awards will be made by the State of Florida to qualified applicants on a first-come/first-serve basis.

Determination of Awards:

The amount of the award equals \$1000 per academic year.

Criteria For Continued Eligibility:

1. Reapplication each year.
2. Continued satisfaction of eligibility requirements.
3. Successful completion of 24 semester hours in previous academic year.
4. A minimum 3.2 grade-point average.

FLORIDA STUDENT ASSISTANCE GRANT (FSAG)

FSAG awards are available to eligible Florida residents who demonstrate financial need and who wish to attend a Florida college.

How To Apply:

1. Complete FSAG section on FFS or FAF.
2. Application period: January 1 to April 1 of each year.

Eligibility:

A student is eligible if he/she:

1. Is a U.S. citizen or permanent resident.
2. Enrolls for a minimum of 12 semester hours per semester in an eligible degree program.
3. Has been a resident of Florida for at least 12 consecutive months.
4. Demonstrates financial need.

Selection of Recipients:

Priority is given to:

1. Renewal students.
2. Students with greatest need.
3. Students who apply by the April 15th deadline.

Determination Of Awards:

1. Financial need as determined by an approved need analysis.

2. Amount of award equals average tuition charge for two semesters at college.

Criteria For Continued Eligibility:

1. Reapplication each year.
2. Continued satisfaction of eligibility requirements.
3. Successful completion of 24 semester hours in previous academic year.
4. A 2.0 grade-point average.
5. Payments have not exceeded nine semesters.

BUREAU OF INDIAN AFFAIRS (BIA)

BIA provides benefits for people who are at least one quarter American Indian, Eskimo, or Aleutian, and who are in tribes served by the Bureau of Indian Affairs, and who have financial need. Contact the appropriate tribal council for details and application forms.

PASCO-HERNANDO COMMUNITY COLLEGE SCHOLARSHIPS

The college awards scholarships to students who have demonstrated scholastic achievement or athletic ability. Awards are made to students finishing in the top 10% of their graduating class, as well as to students who have demonstrated high academic achievement in specific disciplines of study. Additionally, Athletic and Financial Need Scholarships are also available. For specific information, please contact a counselor.

How To Apply:

1. Complete an Application for Admission.
2. Complete a Scholarship Application form.
3. Call the nearest P-HCC campus and set an appointment for an Admissions Interview.
4. Apply for all scholarships and grants for which eligible.

WORK STUDY

Part-time employment may be awarded to a student as part of his/her financial aid award. This type of aid is classified as "self-help." The student must earn the funds he/she receives through these programs.

CONDITIONS AND TERMS

1. If a student is awarded work-study, he/she should contact the campus financial aid counselor for job placement.
2. The student will be paid bi-weekly at the federal minimum wage rate.
3. The student and the supervisor will establish a schedule which is satisfactory to both parties.
4. The student is expected to work scheduled hours.
5. To reduce the work load, the student must notify the supervisor and the campus financial aid counselor.
6. A student who misses work three times without notifying the supervisor will have his/her work-study award cancelled.
7. A student may not work more than 20 hours per week without prior approval from the financial aid director.
8. A student must maintain a satisfactory standard of job performance.
9. A student must maintain satisfactory academic progress.
10. A student must remain enrolled during the session for which he/she receives a work study award.

COLLEGE WORK STUDY (CWS)

This program provides work experience to students with financial need who must earn part of their educational expenses.

How To Apply?

Application procedures are the same as those for Supplemental Grant.

Eligibility:

A student is eligible if he/she:

1. Is admitted to the college as a regular student.
2. Enrolls in an eligible degree or certificate program.
3. Is a U.S. citizen, national or permanent resident, and has met draft registration requirements.
4. Has financial need.
5. Is maintaining satisfactory academic progress.
6. Is neither in default nor overpayment on previous aid received.

Selection Of Recipients:

Selection is based upon financial need. Priority is given to students with the greatest financial need who apply before June 1st.

Determination Of Awards:

According to financial need as determined by the need analysis report received from the processor. The awards do not exceed an average of 20 work hours per week in a given semester.

Criteria For Continued Eligibility:

1. Continued satisfaction of eligibility criteria.
2. Reapplication each year.



STUDENT ASSISTANTS (SAWP)

This is an institutional work program that enables a limited number of students to work part-time on-campus. Special skills are usually required.

How To Apply:

Contact the campus financial aid counselor.

Eligibility:

A student is eligible if he/she enrolls for at least 6 semester hours per session.

Selection Of Recipients:

Students are selected based upon their qualifications for job openings. Priority will be given to applicants with financial need.

Criteria For Continued Eligibility:

1. Continued satisfaction of eligibility criteria.
2. Reapplication each year.

OFF-CAMPUS EMPLOYMENT

Students seeking part-time employment should check with a counselor. Local employers post job openings for students at each campus. Wages vary according to the employer.

LOANS

Financial aid award in the form of loans must be repaid. For this reason, loans are considered to be "self-help" forms of assistance.

STAFFORD GUARANTEED STUDENT LOANS (GSL)

The Stafford GSL is a low-interest loan made by participating lenders to help pay for a college education. These loans are insured by either the federal government or the state guarantee agency.

How To Apply:

Forms are available from counselors and participating lender institutions.

1. Complete FAF or FFS or AFSA and mail to processor.
2. Complete Stafford-GSL Application Form.
3. Complete a P-HCC Institutional Application for Aid.
4. Locate and select a participating lender.

Eligibility:

A student is eligible if he/she:

1. Enrolls for at least 6 semester hours per session.
2. Is a U.S. citizen, national or permanent resident.
3. Is neither in default nor overpayment of other aid received.
4. Is in good academic standing.
5. Meets eligibility requirements of the lender.

Determination Of Awards:

Students may borrow up to \$2625 per year for their freshman and sophomore years to a maximum of \$17,250. The maximum loan amount, however, cannot exceed the total cost of education less any other aid received, including family contribution.

Selection Of Recipients:

Recipients are selected by the lending institution.

Criteria For Continued Eligibility:

1. Continued satisfaction of eligibility criteria.
2. Reapplication each year.

Terms Of The Loan

1. Repayments of the loan begin six months after a student withdraws, graduates, or drops to below half-time status.
2. The minimum repayment is \$50 per month
3. Interest is charged at the rate of 7 to 9 percent, dependent upon the date the student began borrowing. Current rate for new borrowers is 8% for the first four years of repayment. This rate will increase to no more than 10% beginning the fifth year of repayment.
4. Maximum repayment time is ten years from the start of the repayment period.

SAMPLE REPAYMENT SCHEDULE @ 9%

Amount Borrowed For 10 Years	Monthly Payments	Total Loan To Be Repaid
\$4,000	\$50.68	\$6,081.70
\$5,000	\$63.34	\$7,600.80
\$6,000	\$76.01	\$9,121.20

AUXILIARY LOAN PROGRAM (ALP)

This program is available to parents of dependent students and to independent students. Qualified applicants may borrow from a bank, credit union, savings and loan association or other participating lender. Repayment and interest usually begin 60 days following the date of loan disbursement. Interest rate is currently at a variable rate of 12% and will not exceed 12%.

How To Apply:

Forms are available from counselors and participating lending institutions.

1. Complete ALP Application Form.
2. Complete P-HCC Student Loan Checklist.
3. Locate and select a participating lender.

Eligibility:

A student is eligible if he/she:

1. Enrolls for at least six (6) semester hours per session.
2. Is a U.S. citizen, national or permanent resident.
3. Is neither in default nor overpayment of other aid received.
4. Is in good academic standing.
5. Meets eligibility requirements of the lender.

Determination Of Awards:

A dependent student's parents (or independent students) may borrow an amount not to exceed \$4,000 per academic year up to a maximum of \$20,000. However, the maximum loan amount each year cannot be more than the total cost of education less other aid received, including the Stafford Loan.

Selection Of Recipients:

Recipients are selected by the lending institution.

Criteria For Continued Eligibility?

1. Continued satisfaction of eligibility criteria.
2. Reapplication each year.

Terms Of The Loan:

1. Payment of the student loan begins when the student withdraws, graduates, or drops to below half-time status. Interest payments start 60 days after the disbursement date, unless deferred by the lender.
2. Parent loans become payable sixty (60) days after the disbursement date, unless deferred by the lender.
3. The current interest rate is 12% variable and begins to accrue at the time of disbursement.

REVOLVING LOAN (RL)

The Revolving Loan is a short-term, no-interest loan to cover the cost of tuition and books. An interest penalty will be charged on delinquent loans.

How To Apply?

Complete P-HCC Revolving Loan Application Packet.

Eligibility:

A student is eligible if he/she:

1. Is at least 18 years of age or the loan is endorsed by someone 18 years of age or older who is not a spouse of the applicant, a college employee, or another P-HCC student
2. Demonstrates ability to repay either through credit experience or pending eligibility for student financial aid.
3. Is neither in overpayment nor default of previous aid received.

Determination Of Awards:

The amount of the loan will be for the actual cost of the student's tuition, fees, and required textbooks. Application and penalty fees are not included.

Selection Of Recipients:

Recipients are selected based upon credit experience, ability to repay, and/or pending eligibility to receive financial aid.

Criteria For Continued Eligibility:

1. Application is required for each semester.
2. Continued satisfaction of eligibility criteria
3. An interest penalty of 10% per year will be assessed on delinquent loans.



STUDENT CONSUMER RIGHTS AND RESPONSIBILITIES

Student Rights, You Have The Right To Ask A School:

- What financial assistance is available, including information on all federal, state, and institutional financial aid programs.
- What the deadlines are for submitting applications for each of the financial aid programs available.
- What the cost of attending is, and what policies there are on refunds to students who drop out.
- What criteria are used to select financial aid recipients.
- How financial need is determined. This process includes how expenses (i.e., for tuition and fees, room and board, travel, books and supplies, personal and miscellaneous costs) impact your budget.
- What resources (e.g., parental contribution, other financial aid, your assets) are considered in the calculation of your need.
- To explain how much of your financial need, as determined by the institution, has been met.
- To explain the various programs in your student aid package. If you believe you have been treated unfairly, you may request reconsideration of the award which was made to you.
- What portion of the financial aid you receive must be repaid and what portion is grant aid. If the aid is a loan, you have the right to know the interest rate, the total amount that must be repaid, the payback procedures, the length of time allowed to repay the loan, and when repayment is to begin.
- How the school determines whether you are making satisfactory progress and what happens if you are not.
- To make available for review a copy of the documents describing the institution's accreditation, approval, or licensing.

Student Responsibilities, It Is Your Responsibility To:

- Review and consider all information about a school's program before you enroll.
- Pay special attention to your application for student financial aid. Complete it accurately, and submit it on time to the right place. Errors can delay your receiving financial aid. Intentional misreporting of information on application forms for federal financial aid is a violation of law and is considered a criminal offense subject to penalties under the U.S. Criminal Code.
- Return all additional documentation, verification, corrections, and/or new information requested by either the financial aid office or the agency to which you submitted your application.
- Read and understand all forms that you are asked to sign, and keep copies of them.
- Accept responsibility for all agreements you sign.
- If you have a loan, notify the lender of changes in your name, address, or school status.
- Perform in a satisfactory manner the work that is agreed upon in accepting a College Work-Study award.
- Know and comply with the deadlines for application or reapplication for aid. (You must reapply each year.)
- Know and comply with your school's refund procedures.
- Request Financial Aid Transcripts from each college previously attended.
- Notify the financial aid office of all financial aid you receive from sources other than the college as soon as you receive it.
- Know the schedule for the disbursement of your award(s), and to process aid checks within a reasonable period of time.
- Notify the financial aid office of changes in name, address, or enrollment.



P-HCC FOUNDATION

The Pasco-Hernando Community College Foundation is a non-profit organization established to support the institution financially in its goals and objectives. Organized in 1975, the Foundation is governed by thirty-five (35) directors who are community members from both Pasco and Hernando counties and who have a deep interest in the College and its positive effect on the community. The Foundation has been rated among the top 5% of all community college foundations in the nation and was listed in two national publications as a leader among community college foundations.

Project priorities are set by the directors, with scholarships as first priority. Other priorities include library development, faculty and staff development, arts development, student and athletics development, and the Allied Health Program. Financial assistance is given to these projects through the Foundation's fund-raising activities among the community's private and corporate sector. The Foundation has also applied for and received various grants to aid the College.

The Foundation categorizes its funds into two basic groups, endowed and non-endowed funds. A partial listing of those funds includes:

Endowed Funds (Scholarships)

Alic and Mary Pollberg Fund*
American Legion Auxiliary Zephyrhills Fund
Anne F. Bucy Fund
Barry Jaap Fund
Charles E. Conger Fund*
Community United Methodist Church Fund
Dade City Woman's Club Ruth Touchton Fund*
Des and Mickey Little/New Port Richey Rotary Club Fund
Dingus Fund
Dola Creekmore Memorial Fund*
Dorothy Hassall Fund
Edith and J. Wesley Richards Fund*
Elizabeth Koerner Memorial Fund
F.O.P. Robert Pittman Lodge #4 Memorial Fund
First Union National Bank Fund
Jay Edward Starling Memorial Fund
Jeffrey Kinnunen Fund
John and Martha Ayers Fund*
Joseph and Julia Evessa Fund
New Port Richey Junior Service League Fund
Kiwanis Club of Brooksville Fund
L.C. Hawes, Sr., Methodist Fund
Lois E. Trotter Fund
Mantley/First Baptist Church Fund*
Marjorie Kennedy Wilson Memorial Fund*
North Campus Bicentennial Fund
Pasco High Alumni Fund*
President Milton O. Jones Fund
Rev. James and Vienna Barnhardt Fund
Richard and Eileen Cooper Fund*
Rose Fund
Rotary Club of Brooksville Fund

Rotary Club of Dade City Fund*
Rotary Club of New Port Richey/George Gunter Fund
Rotary Club of New Port Richey Fund*
Ruth and W.P. "Doc" Murphy Fund*
Tampa Bay Downs Fund*
Tampa Electric Co. Fund
Volunteers Community Hospital Fund*
West Pasco La Sertoma Fund
William and Madeline Carney Fund*

* Denotes funds which provide multiple scholarships

Endowed Funds (Special Purpose)

Allied Health Staff and Program Development Fund
Charles E. Conger Fund
Florence B. Lange Special Purpose Fund
General Endowment Fund
General Staff and Faculty Development Fund
Glen Dill Florida History and Area Environmental Fund
Library Development Fund
Mary Ellen Grodrian Memorial Endowed Cultural Events Fund
Theresa Henninger Staff and Program Development Fund
William Carney Staff and Program Development Fund

Non-Endowed Funds

Many other organizations and individuals not listed contribute annually to provide additional scholarships and funding for expanded and new programs. Without this help, it would be difficult to provide adequately for the increasing number of students.

Questions about the Foundation and its programs should be directed to the College's Director of Development.



ACADEMIC POLICIES

Program Selection

Each degree- or certificate-seeking student who enrolls in the college must select a program from the Associate in Arts, Associate in Science, or one of the Certificate programs offered. Students in the Associate in Arts program or any student who intends to be admitted to upper-division status in a state university in Florida must take the CLAST Test prior to transferring (see Page 32). Counselors and Program Planners are available to help with program selections. Program changes may be made at the end of any session by submitting the prescribed form, but must be approved by a counselor.

Common Placement Testing

Students who intend to enter degree programs shall be tested prior to the completion of registration with the Florida Multiple Assessment Programs and Services (MAPS) Test which consists of four tests covering Reading, English, Arithmetic Skills, and Elementary Algebra. Minimum cut off scores have been established by State Board of Education Rule 6A.10.315, and any student falling below these minimum scores will be placed in a variety of College Preparatory English and mathematics courses (except College Algebra, since placement in that course is determined by a fifth test, Intermediate Algebra).

The college will accept MAPS, SAT, ACT, and ASSET scores, provided that they are no more than three years old, and will place students accordingly. Test modifications and exemptions in State Board of Education Rule 6A.10.0311 (4), FAC, shall apply in the case of students with records of physiological disorders. Students should contact a FHCC counselor for more information on Placement Testing.

Academic Averages and Repeated Courses

A student's academic average will include grades on all work attempted, except that only the last grade in a repeated course will be used in computing the grade-point average. The earlier grade will continue to appear as part of the record. When a course is repeated, or when two courses are taken for which credit cannot be granted in both, credit will be allowed only in the most recent course taken, regardless of the grade. A student may not repeat a course for which a grade of "A," "B," or "C" has been earned. Courses, credit-by-exam, and programs of acceleration which use "S" or "U" grades are not counted in computing the grade-point average.

Academic Probation and Suspension

Standards of Academic Progress

1. All students will be evaluated for academic progress at the end of each session. A student will be placed on probation when the cumulative grade-point average falls below that shown in the following scale:

Credit Hours Completed	Required Grade Point Average
1-15	1.50
16-29	1.75
30+	2.00

2. The academic status of a transfer student will be evaluated at the time of admission and will be based upon the transcript record from the previous institution(s).
3. A student who has transferred into the college and who has been placed on probation at the time of admission will be required to conform to the Standards of Progress by the end of his/her first term of enrollment at Pasco-Hernando Community College.
4. In the event of probation, a student will be required to see a counselor. After counseling the student and consulting appropriate faculty members, the counselor may require of the student:
 - a. Additional counseling sessions
 - b. Limitations of course load
 - c. Limitations of the type of course or program to be taken
5. The counselor may recommend to the President through the Provost (East and North Campuses) or the Dean of Student Services (West Campus) that a student making unsatisfactory progress be suspended from registration at the college for a period of one term. A student suspended under this provision may return after one session, but must have a planning session with a counselor before being readmitted.
6. Withdrawals, grades of "U" or "F", audits, incompletes, and repetitions are counted for financial aid purposes as hours attempted, but not completed successfully. Financial Aid recipients are required to complete successfully at least 67% of the total hours they attempt toward their educational objective, degree, or certificate at Pasco-Hernando Community College. Students failing to meet this requirement will be placed on probation.
7. A student will be terminated from financial aid the semester following that semester in which his or her hours completed (less college preparatory hours completed) is equivalent to the number of hours required to complete the program. If the student has changed his or her program of study, then any hours completed which were applicable to his or her former program(s) of study that cannot be applied to his or her current program of study will also be excluded from his or her hours completed for comparison against hours required.
8. If a student has not been removed from probation after the next term enrolled and the campus financial aid committee has not determined that the student should be allowed to continue to receive financial aid for an additional term, then he/she will be considered to be making unsatisfactory progress for financial aid purposes. A student determined to be making unsatisfactory progress for financial aid purposes will not be eligible to participate in federal, state, or institutionally funded aid programs until the student is no longer on probationary status.
9. The student may make written appeal of the probationary status to the Provost (East and North Campuses) or the Dean of Student Services (West Campus). Documentation (such as a doctor's statement) will be required, if appropriate. The campus financial aid committee will review the appeal and, if accepted, allow the student to continue to receive financial assistance for an additional term.

Veterans Progress and Probation

The Veterans Administration regulations require the college to measure progress of students receiving veterans benefits. Accordingly, the veteran student's Grade-Point Average (GPA) will be evaluated according to the probation requirements for all students.

For the Law Enforcement/Basic Recruit Program, a GPA of 1.50 must be achieved by the end of 120 hours of instruction, 1.75 by the end of 240 hours, and 2.00 by the end of the program.

Veterans are expected to progress at a rate that will permit graduation within the approved length of the program based upon the training time paid by VA. Failure to comply with these provisions may result in the termination of educational benefits.

Attendance will be kept for each class meeting and will be reported to the Veterans Administration as may be required. Students enrolled in Certificate programs who accumulate more than three (3) unexcused absences within a calendar month or more than five (5) unexcused absences per session will be reported to the VA for termination of benefits.

Veterans failing to maintain the minimum GPA will be placed on probation and counseled early in the semester following this determination. At that time, the veteran will be informed that if achievement of the minimum GPA is not achieved, the student will be reported to the Veterans Administration for the termination of benefits.

Students whose benefits have been terminated will not be considered for deferred payment or recertification until they have been counseled by a P-HOC VA counselor.

Any unusual or extenuating circumstances concerning probation, unsatisfactory progress, or eligibility for deferred payment may be reported by the veteran in writing to the Provost (East and North Campuses) or the Dean of Student Services (West Campus). Such written appeals will be referred by the Provost to a campus committee which will include at least one student veteran. This committee will determine the appropriate report to the Veterans Administration or to college officials.

Classification of Students

Students will be classified in accordance with the following criteria:

Degree- or Certificate-Seeking

A student enrolled in credit courses who has provided the District Records Office with all the required admission credentials and has been accepted into his or her declared program.

A degree-seeking student is further classified as:

Freshman — A student regularly enrolled in college credit courses who has completed less than 24 credit hours of college work at the time of registration.

Sophomore — A student regularly enrolled in college credit courses who has completed 24 or more credit hours of college work at the time of registration.

Unclassified

The unclassified designation applies to a student who has enrolled but is undecided as to program, as a dual enrollment or transient student, or one who has enrolled for purposes of teacher recertification or personal enrichment. This student is classified as neither freshman nor sophomore.

Full-Time

A student enrolled for 12 or more credit hours in Sessions I, II, or III (to include IIIB).

It should be noted that these classifications are for internal use by the college. A student who is receiving benefits from another agency (such as the Veterans Administration) is subject to that agency's definition of these terms. It should also be noted that for those students receiving financial aid, a minimum of 12 credit hours per session is considered full time.

Part-Time

A student enrolled for less than 12 credit hours in Sessions I, II, or III (to include IIIB).

It should be noted that these classifications are for internal use by the college. A student who is receiving benefits from another agency (such as the Veterans Administration) is subject to that agency's definition of these terms.

Attendance At More Than One Campus

Students may attend classes at more than one campus. However, for record purposes a student must select one campus as a "home campus." It is recommended that registration, withdrawal, or change of status be done at that campus. Students may change their home campus at the end of any session.

Regional Linkage System

The Linkage System is a cooperative agreement among five community colleges in the Tampa Bay area — Hillsborough Community College, St. Petersburg Junior College, Pasco-Hernando Community College, Manatee Junior College, and Polk Community College. The System offers students the opportunity to enter certain programs on a quota-based system. Students applying for admission to a Linkage Program will be required to conform to all program requirements and to institutional policies and procedures of the Linkage College.



The following Linkage Programs will be offered by the indicated institutions:

- Avionics — Manatee Junior College
- Dental Hygiene — St. Petersburg Junior College
- Flight Attendant — Manatee Junior College
- Horticulture — Polk Community College
- Media Technology — Polk Community College
- * Nuclear Medicine — Hillsborough Community College
- * Physical Therapist Assistant — St. Petersburg Junior College
- Quality Control Technology — Manatee Junior College
- Radiology Technology — St. Petersburg Junior College
- * Radiation Therapy — Hillsborough Community College
- * Respiratory Therapy — St. Petersburg Junior College
- * Sonography — Hillsborough Community College
- Veterinary Technology — St. Petersburg Junior College
- * Quota Based

Also available on a limited enrollment basis to applicants from P-HCC, is the Radiology Program at St. Petersburg Junior College under a consortium agreement. Minimum qualifications for participation in a consortium agreement differ from those of a linkage program, and interested students must have a counseling interview prior to enrollment.

Additional information on Linkage Programs may be obtained by contacting a Pasco-Hernando Community College counselor. See also "Minimum Qualifications for Linkage Program Applicants," Page 16.

CLEP

Students may earn a maximum of 30 semester hours of college credit by submitting scores at the 50th percentile or above under the General Examination of the College Level Examination Program (CLEP). A maximum of six semester hours of credit may be granted in each of the following areas: English, Humanities, Mathematics, Natural Sciences, History and Social Sciences. These credits are awarded on the basis of knowledge gained prior to college or university study in the subject area. CLEP credit, based upon the General Examination, is applied only to certain designated courses and will be denied in whole or part in instances in which courses in the general area have already been completed or are being taken at the time of the CLEP General Examination. Students seeking this credit are strongly advised to discuss their academic plans with a counselor before registering.

If a student has earned six (6) semester credits in an area covered by the CLEP General Examinations, he/she shall not be awarded any CLEP credit in that area on the basis of the CLEP General Examination. If a student has earned fewer than six (6) semester credits in courses, he/she shall be awarded only the difference between the number earned and the six (6) semester credits through the CLEP General Examinations.

Additional semester hours of credit may be awarded for CLEP Subject Examinations if submitted scores are at or above the percentile specified in Rules of the State Board of Education. Evaluation of CLEP credit is made after the application fee is paid and the student is admitted to the college. CLEP credit will appear on the student's permanent record as earned credit without indication of grade. Credits earned through CLEP do not satisfy the residency requirement. Students seeking this credit are strongly advised to discuss their academic plans with a counselor before registering.

Under the provisions of Board Rule 6Hx19-3.28, a student who receives credit for ENC 1101 (English Composition I) and ENC 1102 (English Composition II) and/or HUM 2211 (Humanities I)

and HUM 2230 (Humanities II) under CLEP will be required to produce documentation of written material totalling 6,000 words per course for which credit was awarded, as a condition for graduation with the AA Degree. A grade of "C" or higher must be obtained on written work associated with each of these courses. The quality of this written work must meet the requirements as stated for the corresponding course.

A student fulfilling the writing requirement for one of these designated English and Humanities courses must pay a fee of \$30 for each such requirement. The instructor shall establish a prescriptive syllabus for the student covering the topic, content, standards, and schedule for submission of written work and shall certify a grade.

A writing requirement may be completed on an irregular schedule. In no case, however, shall a single requirement extend for more than one regular 16-week term. Failure to complete agreed work within the 16-week period shall require the payment of another fee and a new prescriptive requirement, unless the delay was caused by illness or other emergency situation.

Credit-by-Examination

Students may earn credit in designated courses by making a satisfactory score on tests prepared by P-HCC instructors. A nonrefundable charge will be made for each examination. An examination must be completed within the session for which the student first applied for credit-by-examination. Credit-by-examination cannot be granted in any course for which credit has already been awarded. Credit earned through tests prepared by P-HCC will appear on the student's permanent record using the grade designation of "S" or "U." A student may attempt credit-by-examination in a course no more than one time. Certain courses are NOT eligible for credit-by-examination. Credits earned through credit-by-examination do not satisfy the residency requirement.

Advanced Placement

College credit may be granted to a student who presents a minimum qualifying score on one or more of the Advanced Placement Program examinations of the College Entrance Examination Board, as outlined in District Board of Trustees' Rule 6Hx19-3.24. These examinations must be taken prior to enrolling in the college, except for Credit Bank and Dual Enrollment students.

To receive college credit for ENC 1101 (English Composition I) and ENC 1102 (English Composition II) under the Advanced Placement Program, students must fulfill the same writing requirements as explained under CLEP above or obtain written documentation from the high school teacher of 12,000 written words.

Credit may be used to satisfy graduation, general education, and unspecified elective requirements, but will not be computed in the grade-point average. This type of credit is transferable among Florida institutions of higher education that participate in the Advanced Placement Program. However, students should secure approval in advance of transferability, since minimum qualifying scores differ slightly among colleges and universities.

Certificate Program Completions

A student desiring to obtain a certificate for completing a

degree-associated program should apply for a records review no later than the date shown in the college calendar for graduation application. Upon receiving an indication from the Director of Admissions/Student Records that all required work has been or is being completed, the student must make a formal application for the certificate. Students are reminded that the certificate will not be awarded unless application has been made. A delay in the application process may cause a student to meet additional program requirements of a subsequent catalog.

Directed Individual Study

A student who needs a course that is required for current graduation at P-HCC, and who has not had an opportunity to enroll in that course previously, may take the course under Directed Individual Study by making arrangements with the Campus Provost. Directed Individual Study is defined as a class of nine or fewer students that is not required to meet the total number of instructional hours established for the course, and where there are provisions for:

- A. Meeting with the instructor at least once a week for a course lasting a full session or a proportionate time for courses of shorter duration.
- B. Instructor's option of more frequent meetings for those students needing additional work.
- C. An option for the student to complete the course earlier than the prescribed length upon mutual agreement between student and instructor.
- D. Standards and content in the opinion of the instructor and the Provost (East and North Campuses) or the appropriate Division Director (West Campus) to be comparable to a regularly scheduled class in the subject.

Courses containing laboratory experiences, with student participation being a particularly important element, are not eligible for Directed Individual Study.

Teacher Certification And Recency Of Credit

Courses at the college may apply toward certification or recency of credit for Florida teachers. It is the responsibility of the teacher to ensure that the course meets all requirements. Degree-holding teachers with Florida Teaching Certificates are not required to furnish transcripts for admission.

Military Service Credit

Credit may be awarded for advanced academic and technical military educational experiences that have been evaluated and recommended as suitable for postsecondary credit by the American Council on Education's (ACE) Guide to the Evaluation of Educational Experiences in the Armed Services. After application to the college, a student may initiate the request for such credit by providing appropriate documentation as determined by the college. Recommendations in the ACE Guide are advisory in nature and are not binding upon the college. A maximum of 45 credit hours may be counted towards a degree.

Class Attendance

All students, both credit and audit, are expected to attend all their classes unless illness or other emergencies arise. The effect of absence upon an individual's grade is determined

by the instructor. When absences are such that a student cannot make normal progress, a warning letter may be mailed to the student. If absences are not corrected or if no response to the letter is received, the student may be administratively withdrawn with a grade of "W", subject to college calendar withdrawal dates. It is the student's responsibility to ensure withdrawal.

Maximum Student Load

The maximum student load for Session I or Session II is 18 semester hours and 14 semester hours for Session III (to include III B). Any student desiring to take more hours must obtain the permission of a counselor. The permission form will be forwarded to the Records Office for placement in the student's folder.



Grading System

Pasco-Hernando Community College uses the grading system shown below. These grade definitions are used by Florida community colleges.

A	4	Grade Points	Excellent	NR	Grade not reported
B	3	Grade Points	Good	I	Incomplete (automatically changed to "W" if not made up within the ensuing session)
C	2	Grade Points	Average	W	Withdraw
D	1	Grade Point	Poor	*S	Satisfactory
F	0	Grade Points	Failure	*U	Unsatisfactory
N	No Credit			X	Audit
NC	Non Credit Course			*Used only in certain areas.	

Grade-Point Average

The grade-point average is determined by dividing the total grade points earned by the total credits attempted. Only the last grade in a repeated course is used in computing the grade-point average. Courses which use "S" or "U" grades are not counted in computing the grade average.

Example

	Semester Hours	Grade	Hours Attempted	Hours Earned	Grade Points
ENC 1101	3	A	3	3	12
PSY 1012	3	B	3	3	9
MUN 1310	1	B	1	1	3
BSC 1011C	4	D	4	4	4
PSC 1341	3	F	3	0	0
POS 2112	3	X	0	0	0
QMB 1001	3	W	0	0	0
SLS 1211	3	I	0	0	0
			<u>14</u>	<u>11</u>	<u>28</u>

$$\text{Grade-Point Average} = \frac{\text{Total Grade Points}}{\text{Total Hours Attempted}} = \frac{28}{14} = 2.0$$

A student must have at least a 2.0 grade-point average to complete the degree or certificate requirements for any program.

Audit

A student will not be permitted to register for a course on an audit status during the normal registration and drop/add period. However, upon the completion of the drop/add period, a student may change his or her registration in a course from credit to audit up to and including the last day to withdraw for a semester as published in the college calendar. Audit fees are the same as those for credit. Vocational courses are not available for audit.

Audit students participate in class activities, but are not required to prepare papers or take examinations. Regular class attendance is expected, and a non-credit grade of "X" is issued.

Practicums

Practicums are incorporated into several Occupational Programs and are electives in several others. They may consist of on-the-job training, special projects, research, or a combination of these activities. The instructor will develop specific requirements and the method of evaluation to best fit the academic and work needs of the student. Each Practicum will consist of a minimum of 117 hours in a planned learning situation, together with at least three scheduled conferences with the instructor. A letter grade of "A," "B," "C," "D," "F," "I," or "W" will be assigned.

Incomplete Grades

Instructors may assign "I," incomplete grade, in the rare circumstances in which a student has not completed requirements for a course due to accident or illness. Incomplete grades should be made up and have a grade assigned before the end of the next session. Incomplete grades that are not made up and do not have a grade assigned before the end of the next session will be changed to "W." Session I is considered the next session following Sessions II and III (to include III B) of the previous academic year.

"S" and "U" Grades

If a letter grade is assigned by an instructor in a course for which credit is awarded on the basis of "S" or "U," any letter grade from "A" through "C" will be officially changed to an "S" by the Records Office. Other grades will be recorded as "U." This conversion will apply also to grades assigned by an instructor under credit-by-examination.

Grade Dissemination

A progress report will normally be distributed by the instructor prior to the eighth week of Session I and Session II. Students are urged to be aware of their progress by having conferences with their instructors during the session. Final grades are mailed immediately after the end of the session to those who do not have a financial obligation to the college or outstanding college obligations (i.e., outstanding loans or unreturned library books).

Honors List

A student is placed on the President's Honors List when a 3.5 of a possible 4.0 grade-point average (GPA) has been earned while attending at least 12 semester hours. Part-time students may be placed on the Honors List each time 12 semester hours have been accumulated with a GPA of 3.5 on the 4.0 scale.

Any student graduating with an overall grade point average of 3.5 or above in all courses applied toward a degree shall be graduated with honors. The student with the highest academic average in any graduating class shall be designated as the "Honor Graduate with Highest Honors."

Honors Courses

In furthering its commitment to educational excellence, Pasco-Hernando Community College will introduce several honors courses in the fall of 1991. The emphasis on honors is geared toward high-achieving students who can benefit from a more challenging academic experience. Enrollment in honors sections will be limited to afford faculty and students alike a more concentrated intellectual learning environment.

Several new honors courses will be developed. Interdisciplinary courses are planned in the social sciences and in English/humanities, as well as in international relations. There will also be several courses, e.g., Introduction to Psychology and American Federal Government, in which students who meet honors qualifications can take an honors option within the framework of the regular course. These students will have additional and more rigorous course objectives.

The proposed eligibility requirements for registering for an honors course are as follows:

1. Students who have a minimum of a 3.5 GPA, after the completion of at least 12 hours of 1000 or higher level courses, will be eligible to register for an honors course. Within these 12 hours, the student will be required to have completed English Composition I (ENC 1101) with at least a "B." These 12 hours will be exclusive of physical education courses and self-enrichment courses such as College Survival Skills (SLS 1501) and Individual Discovery (SLS 1211). Such enrichment courses will be excluded also in computing the eligibility GPA.
2. Prior to registering for an honors course, all prospective students will be required to meet with the instructor and receive and discuss the course syllabus.

Specific course information, the final eligibility requirements, and registration details will be made available through Student Services Staff as honors courses receive final approval.

Graduation Check/Report

Upon completion of 30 hours toward a declared program, the student should apply for a graduation check. The graduation check will show the remaining requirements for completion of a program based upon an eligible catalog (see page 10). The forms for requesting this report are available in the Student Services Office on each campus, or a letter requesting this service may be mailed to the Director of Admissions and Records at the student's home campus. There is no charge for a graduation check.

Graduation Application

Application for graduation with a degree must be made at the time of registration for the session in which the student plans

to complete the requirements for a degree program. Certain programs require students to complete the CLAST with a passing score prior to graduation. The testing requirement shall be included as an item on all graduation checks, and positive controls shall be established to assure that each applicant for an AA Degree has complied before the Degree is awarded (see CLAST, page 32). Application for graduation will include a nonrefundable graduation fee. This fee will be used to pay for the diploma and cover and the use of a cap and gown. **Students are reminded that the degree will not be awarded unless application has been made. A delay in the application process may cause a student to meet additional program requirements of a subsequent catalog.**

Graduation Ceremony

A graduation ceremony is held each year near the end of Session II. All students who have completed requirements for degrees during the academic year and those who expect to complete requirements during the summer session are encouraged to participate in the graduation ceremony.

Additional Degrees

A student normally will be awarded only one degree. To be eligible for a second degree, a student must complete a minimum of 15 hours of additional course work, fulfill all the requirements of the additional degree, make application for graduation for the second degree, and pay an additional graduation fee.

Library Services

A library with 19,000 square feet of space is available on each campus. The combined holdings of all three libraries are approximately 48,000 volumes. In addition to books, each library has a collection of periodicals, newspapers, microfiche, and audiovisual materials. A combined card catalog permits access to materials on any of the three campuses.

The libraries provide full inter-campus and inter-library loan services. Copies of library materials may also be "taxed" between libraries.

The library staff on each campus is trained to assist students and faculty make full use of all the library's facilities and materials. Orientations to the library are provided to any class that requests one.

The libraries also house exhibit areas and learning laboratories. In the exhibit areas, monthly shows on a variety of themes are scheduled for the benefit of students, faculty, and the college community.

Learning Laboratory

The Learning Laboratory on each campus assists the student by providing various testing services and individualized materials for instruction. It functions both as supplemental assistance to regular programs and to remedy educational deficiencies.

Individualized materials in the Laboratory include English, reading, mathematics, spelling, career development, and college survival skills. Self-instructional materials, programmed texts, and peer-tutorial assistance for students are available.

The Learning Laboratory also has microcomputers available for student use. Many of the materials in the Laboratory are computer-based.

COLLEGE LEVEL ACADEMIC SKILLS TEST (CLAST)

The State of Florida has developed a test of college-level communication and computation skills called the College Level Academic Skills Test (CLAST). The CLAST is designed to test the communication and computation skills that are judged by state university and community college faculty to be generally associated with successful performance and progression through the baccalaureate level.

Successful completion of the test is required by Florida Statutes and Rules of the State Board of Education for community college students who are completing Associate in Arts degree programs and for community college students who are completing Associate in Science degree programs and are seeking admission to upper-division programs in state universities in Florida. The test also is required of university students who are completing their sophomore year. Students who do not pass all sections of the test will neither be awarded the Associate in Arts degree nor will they be admitted to upper-division status in state universities in Florida. The CLAST requirements also apply to students transferring to state universities in Florida from private colleges in Florida and from out-of-state colleges.

A passing score on the CLAST is required for the award of the Associate in Arts degree and for admission to upper-division status in state universities in Florida. Students are encouraged to take the CLAST after they have completed 24 hours of college-level courses and completed any necessary college preparatory courses (9000 level).

Students should register in the Student Services areas on each campus before the State-mandated registration deadline, listed in the College Calendar on pages 6-7. All students who register for CLAST must be advised by a counselor.

CLAST preparation workshops are provided at least three times per year on each campus at no charge to students. There also are CLAST review materials in each library and available for purchase in the campus bookstores.

Other

In addition to students who meet the above standards for taking CLAST, participating colleges and universities are to register other students who meet both of the following criteria:

- a. They are eligible to participate in a State of Florida financial aid program governed by State Board of Education Rule 6A-7.17, FAC.
- b. They are required under provisions of SBE Rule 6A-7.17, FAC, to have CLAST scores to continue their eligibility beyond the academic term in which they register for CLAST.

College-Level Communication and Computation Skills

State Board Rule 6A-10.31 cites that the communication and computation skills identified below, pursuant to Section 229.053(2)(d), Florida Statutes, are associated with successful performance of students in college programs through the baccalaureate level. EXCEPT FOR THE SPEAKING AND LISTENING SKILLS, THESE SKILLS ARE TESTED ON THE CLAST.

- (1) The following skills, by designated category, are defined as college-level communication skills:
 - (a) Reading with literal comprehension includes all of the following skills:
 1. Recognizing main ideas in a given passage
 2. Identifying supporting details.
 3. Determining meanings of words on the basis of context.
 - (b) Reading with critical comprehension includes all of the following skills:
 1. Recognizing the author's purpose.
 2. Identifying the author's overall organizational pattern.
 3. Distinguishing between statements of fact and statements of opinion.
 4. Detecting bias.
 5. Recognizing author's tone.
 6. Recognizing explicit and implicit relationships within sentences.
 7. Recognizing explicit and implicit relationships between sentences.
 8. Recognizing valid arguments.
 9. Drawing logical inferences and conclusions.
 - (c) Listening with literal comprehension includes all of the following skills:
 1. Recognizing main ideas.
 2. Identifying supporting details.
 3. Recognizing explicit relationships among ideas.
 4. Recalling basic ideas, details, or arguments.
 - (d) Listening with critical comprehension includes all of the following skills:
 1. Perceiving the speaker's purpose.
 2. Perceiving the speaker's organization of ideas and information.
 3. Discriminating between statements of fact and statements of opinion.
 4. Distinguishing between emotional and logical arguments.
 5. Detecting bias.
 6. Recognizing the speaker's attitude.
 7. Synthesizing by drawing logical inferences and conclusions.
 8. Evaluating objectively.
 - (e) Composing units of discourse providing ideas and information suitable for purpose and audience includes all of the following skills:
 1. Selecting a subject which lends itself to development.
 2. Determining the purpose and the audience for writing.
 3. Limiting the subject to a topic which can be developed within the requirements of time, purpose, and audience.
 4. Formulating a thesis or main idea statement which reflects the purpose and the focus.
 5. Developing the thesis or main idea statement by all of the following:
 - a. Providing adequate support which reflects the ability to distinguish between generalized and concrete evidence.
 - b. Arranging the main ideas and supporting details in an organizational pattern appropriate to the purpose and the focus.
 - c. Writing unified prose in which all supporting material is relevant to the thesis or main idea statement.

- d. Writing coherent prose, providing effective transitional devices which clearly reflect the organizational pattern and the relationships of the parts.
- (f) **Transmitting ideas and information in effective written language which conforms to the conventions of standard American English includes all of the following skills:**
1. Demonstrating effective word choice by all of the following:
 - a. Using words which convey the denotative and connotative meanings required by context.
 - b. Avoiding slang, jargon, clichés, and pretentious expressions.
 - c. Avoiding wordiness.
 2. Employing conventional sentence structure by all of the following:
 - a. Placing modifiers correctly.
 - b. Coordinating and subordinating sentence elements according to their relative importance.
 - c. Using parallel expressions for parallel ideas.
 - d. Avoiding fragments, comma splices, and fused sentences.
 3. Employing effective sentence structure by all of the following:
 - a. Using a variety of sentence patterns.
 - b. Avoiding unnecessary use of passive construction.
 4. Observing the conventions of standard American English grammar and usage by all of the following:
 - a. Using standard verb forms.
 - b. Maintaining agreement between subject and verb, pronoun and antecedent.
 - c. Using proper case forms.
 - d. Maintaining a consistent point of view.
 5. Using standard practice for spelling, punctuation, and capitalization.
 6. Revising, editing, and proofreading units of written discourse to assure clarity, consistency, and conformity to the conventions of standard American English.
- (g) **Speaking involves composing the message, providing ideas and information suitable to topic, purpose and audience which includes all of the following skills:**
1. Determining the purpose of the oral discourse.
 2. Choosing a topic and restricting it according to purpose and audience.
 3. Fulfilling the purpose by the following:
 - a. Formulating a thesis or main idea statement.
 - b. Providing adequate support material.
 - c. Organizing suitably.
 - d. Using appropriate words.
 - e. Using effective transitions.
- (h) **Speaking involves transmitting the message, using oral delivery skills suitable to the audience and the occasion by all of the following skills:**
1. Employing vocal variety in rate, pitch, and intensity.
 2. Articulating clearly.
 3. Employing the level of American English appropriate to the designated audience.
 4. Demonstrating nonverbal behavior which supports the verbal message with eye contact and appropriate posture, gestures, facial expressions, and body movements.

(2) The following skills, by designated category, are defined

as college-level computation skills:

- (a) **Demonstrating mastery of all of the following arithmetic algorithms:**
1. Adding, subtracting, multiplying, and dividing rational numbers.
 2. Adding, subtracting, multiplying, and dividing rational numbers in decimal form.
 3. Calculating percent increase and percent decrease.
- (b) **Demonstrating mastery of all of the following geometric and measurement algorithms:**
1. Rounding measurements to the nearest given unit of the measuring device used.
 2. Calculating distances, areas, and volumes.
- (c) **Demonstrating mastery of all of the following algebraic algorithms:**
1. Adding, subtracting, multiplying, and dividing real numbers.
 2. Applying the order-of-operations agreement to computations involving numbers and variables.
 3. Using scientific notation in calculations involving very large or very small measurements.
 4. Solving linear equations and inequalities.
 5. Using given formulas to compute results, when geometric measurements are not involved.
 6. Finding particular values of a function.
 7. Factoring a quadratic expression.
 8. Factoring the roots of a quadratic equation.
- (d) **Demonstrating mastery of all of the following statistical algorithms, including some from probability:**
1. Identifying information contained in bar, line, and circle graphs.
 2. Determining the mean, median, and mode of a set of numbers.
 3. Counting subsets of a given set.
- (e) **Demonstrating mastery of logical-reasoning algorithms by deducing facts of set inclusion or set non-inclusion from a diagram.**
- (f) **Demonstrating understanding of arithmetic concepts by all of the following skills:**
1. Recognizing the meaning of exponents.
 2. Recognizing the role of the base number in determining place value in the base-ten numeration system and in systems that are patterned after it.
 3. Identifying equivalent forms of positive rational numbers involving decimals, percents, and fractions.
 4. Determining the order relation between magnitudes.
 5. Identifying a reasonable estimate of a sum, average, or product of numbers.
- (g) **Demonstrating understanding of geometric and measurement concepts by all of the following skills:**
1. Identifying relationships between angle measures.
 2. Classifying simple plane figures by recognizing their properties.
 3. Recognizing similar triangles and their properties.
 4. Identifying appropriate types of measurement for geometric objects.

- (h) **Demonstrating understanding of algebraic concepts by all of the following skills:**
1. Recognizing and using properties of operations
 2. Determining whether a particular number is among the solutions of a given equation or equality.
 3. Recognizing statements and conditions of proportionality and variation.
 4. Identifying regions of the coordinate plane which correspond to specified conditions.
- (i) **Demonstrating understanding of statistical concepts, including probability, by all of the following skills:**
1. Recognizing properties and interrelationships among the mean, median, and mode in a variety of distributions.
 2. Choosing the most appropriate procedure for selecting an unbiased sample from a target population.
 3. Identifying the probability of a specified outcome in an experiment.
- (j) **Demonstrating understanding of logical-reasoning concepts by all of the following skills:**
1. Identifying simple and compound statements and their negations.
 2. Determining equivalence or non-equivalence of statements.
 3. Drawing logical conclusions from data.
 4. Recognizing that an argument may not be valid even though its conclusion is true.
- (k) **Generalizing and selecting applicable generalizations in arithmetic by both of the following skills:**
1. Inferring relations between numbers in general by examining particular number pairs.
 2. Selecting applicable properties for performing arithmetic calculations.
- (l) **Generalizing and selecting applicable generalizations in geometry and measurement by both of the following skills:**
1. Inferring formulas for measuring geometric figures.
 2. Selecting applicable formulas for computing measures of geometric figures.
- (m) **Generalizing and selecting applicable generalizations in algebra by both of the following skills:**
1. Inferring relations among variables.
 2. Selecting applicable properties for solving equations and inequities.
- (n) **Generalizing and selecting applicable generalization in statistics, including probability, by inferring relations and making accurate predictions from studying particular cases.**
- (o) **Generalizing and selecting applicable generalizations in logical reasoning by both of the following skills:**
1. Inferring valid reasoning patterns and expressing them with variables.
 2. Selecting applicable rules for transforming statements without affecting their meaning.
- (p) **Demonstrating proficiency for solving problems in the area of arithmetic by the following skills:**
1. Solving real-world problems which do not require the use of variables and which do not involve percent.
 2. Solving real-world problems which do not require the use of variables and which do require the use of percent.
 3. Solving problems that involve the structure and logic of arithmetic.
- (q) **Demonstrating proficiency for solving problems in the area of geometry and measurement by both of the following skills:**
1. Solving real-world problems involving perimeters, areas, volumes of geometric figures.
 2. Solving real-world problems involving the Pythagorean property.
- (r) **Demonstrating proficiency for solving problems in the area of algebra by both of the following skills:**
1. Solving real-world problems involving the use of variables, aside from commonly used geometric formulas.
 2. Solving problems that involve the structure and logic of algebra.
- (s) **Demonstrating proficiency for solving problems in the area of statistics, including probability for both of the following skills:**
1. Solving real-world problems involving the normal curve.
 2. Solving real-world problems involving probabilities.
- (t) **Demonstrating awareness of the ways in which logical reasoning is used to solve problems by drawing logical conclusions when facts warrant them.**
- (3) The Articulation Coordinating Committee shall file with the Commissioner and the State Board, on or before November 30 of each odd numbered year, its recommendations for changes, if any, in the above definitions of college-level communication and computation skills.



STUDENT SERVICES

Counseling

Counselors are available to assist students and prospective students with academic, vocational, or personal matters. These services are available on campus each weekday and evening by appointment and at other locations throughout the district upon arrangement. Special counseling for minorities is available.

Identification Cards

Each student is issued an identification card each semester at registration. This card may be required for schedule changes, library use, and other college functions. Loss should be reported to a counselor immediately.

Unmet Financial Obligations

Credits will not be officially awarded and transcripts will not be released until student financial obligations are met. Diplomas and certificates are withheld until these obligations are met. Such financial obligations include, but are not limited to, library accounts, revolving loans, and deferred payments. A student who has a financial obligation outstanding will not be allowed to register until the obligation is paid.

Job Placement

Through the counseling staff on each campus, the college has established a Job Placement Service to assist students in obtaining part-time or full-time jobs.

CHOICES

CHOICES is a computerized system that assists students in locating information on careers, Florida's schools and training programs, financial aid, and current job openings. CHOICES, together with a counselor, can assist students in setting career goals.



Veterans Benefits

All degree programs and many certificate programs at the college are approved for education and training under the various Veterans Administration programs. However, it is the responsibility of the student to obtain and present to a counselor the original certificate of eligibility from the Veterans Administration.

A veteran or other eligible person must select, be admitted to, and follow a single degree program. The first change in a program requires notification to the campus VA Counselor. Before approval of a second or subsequent change of program, the Counselor must find that the proposed program is suited to the aptitudes, interests, and abilities of the veteran or other eligible person.

The Veterans Administration pays the entitlement directly to the student. In turn, the student must pay fees and obtain the necessary books. Counselors can furnish additional information on Veterans Administration programs and procedures.

Upon their request, veterans may receive a 60-day deferment for the payment of registration fees beginning with the first day of classes in any academic term each time there is a break in receipt of benefits. If the academic session is for less than 60 days, the deferment shall be limited to ten days less than the number of days in the session. Veterans receiving continual benefits are not eligible for deferment.

Tutorial assistance is available for veterans having a deficiency in one or more subjects and will be paid by the Veterans Administration.

Withdrawal Policy

A student who wishes to withdraw from the college is required to have an exit interview with the counselor at the campus where registered. When possible, a conference with each instructor is also recommended before withdrawal. Improper withdrawal from any course may result in the award of a failing grade. A student administratively withdrawn from a class for excessive absence will be assigned a grade of "W." The last day to withdraw or change to audit each term is shown on the College Calendar.

Emergencies

Fire and evacuation exits are identified in all buildings and are to be used in emergencies. In case of disaster, the President or the senior college official present may cancel classes. Local radio stations will be asked to carry announcements regarding cancellation and re-opening in emergency situations.

Any emergency situation observed by a student should be reported immediately to the Office of the Provost or the Center Director.

No health services are provided by PHCC nor does PHCC assume responsibility for medical emergencies. In case of a personal emergency, the college will try to contact the student. However, the college can assume no responsibility for making such contacts.

Student Conduct

In accordance with Florida Statutes, no student attending Pasco-Hernando Community College may participate in any activities that are disruptive to the normal, peaceful, and orderly operation of state institutions of higher learning.

The following actions are prohibited at or on any campus or at any college-sponsored or college-affiliated activity or event. Violation of any of these regulations may result in disciplinary action. Disciplinary action may also be imposed for special circumstances as prescribed by law:

1. Possession or consumption of alcoholic beverages.
2. Use, possession, sale, barter, exchange, gift, distribution, or other transaction of any narcotic drug, as defined in Chapter 893 of the Florida Statutes; this includes cannabis sativa (marijuana).
3. Cheating in any form.
4. Stealing.
5. The use of indecent or abusive language.
6. Gambling.
7. Hazing.
8. Vandalism or destruction of property.
9. Falsification of college records.
10. Unauthorized use of the college name.
11. Lewd or indecent conduct.
12. Behavior or actions which are disruptive to the normal, peaceful, and orderly operation of the college.
13. Violation of a federal or state law; a county or city ordinance.
14. Repeated offenses of a less serious nature.
15. Assault or physical abuse.
16. Possession or use of explosives (including fireworks), chemical agents, or deadly weapons. This policy does not apply to trained law enforcement officers either on or off duty.
17. Unauthorized entry or occupancy of college facilities.
18. Conspiracy or solicitation to commit an unlawful act or to violate any college regulations or policies.
19. Repeated violations of college traffic rules while on campus.
20. Trespass on college grounds in violation of college rules.

College Operating Hours/ Campus Security

The official operating hours of the college are from 6:30 a.m. to 11:30 p.m. The college is officially closed from 11:30 p.m. to 6:30 a.m. Any person not duly authorized, licensed, or invited by an official of the college to be on the premises or within any structure between 11:30 p.m. and 6:30 a.m. will be committing the offense of trespass, and local law enforcement officials will be notified.



Hazing

The college shall not tolerate hazing, as defined below, at or on any college property or at any college-sponsored or college-affiliated event, on or off any campus or center.

1. Hazing means any action or situation which recklessly or intentionally endangers the mental or physical health or safety of a student for the purpose of initiation or admission into or affiliation with any organization operating under the sanction of the college, hereinafter referred to as a "college organization." Such term shall include, but not be limited to, any brutality of a physical nature, such as whipping, beating, branding, forced calisthenics, exposure to the elements, forced consumption of any food, liquor, drug, or other substance, or any other forced physical activity which could adversely affect the physical health or safety of the individual and shall include any activity which would subject the individual to extreme mental stress, such as sleep deprivation, forced exclusion from social contact, forced conduct which could result in extreme embarrassment, or any other forced activity which could adversely affect the mental health or dignity of the individual. For purposes of this rule, any activity as described above upon which the initiation or admission into or affiliation with a college organization is directly or indirectly conditioned shall be presumed to be a "forced" activity, the willingness of an individual to participate in such activity notwithstanding.
2. This rule shall apply to students and to college organizations, including acting through other persons associated with a college organization who are not students.
3. Violations of this rule by individual students shall be enforced in accordance with the college's Disciplinary Rule, 6Hx19-6.17.
4. Violations of this rule may subject an individual student to the following penalties:
 - a. Minor violations — disciplinary probation; and
 - b. Major or repeated minor violations — suspension or dismissal.
5. Any college organization, as an organization or through any person associated with a college organization, which authorizes or participates in hazing in blatant disregard of this rule shall be penalized as follows:
 - a. Minor violations — probation from operating as a college organization; and
 - b. Major or repeated violations — suspension in accordance with District Board of Trustees Rule 6X19-6.32, or rescission of the authority for such organization to operate on college property or operate under the sanction of the college.Organizational violations shall be handled by the Dean of Student Services or center administrator. In addition, hazing may subject an individual or organization to criminal penalties under Florida law.
6. In determining whether a hazing violation is "minor" or "major" in scope, the primary consideration will be the presence of or potential for serious physical or emotional harm to the victim of the hazing.
7. All college organizations are required to include the above anti-hazing rule in the bylaws of such organization.
8. The college shall provide each student with a copy of the college's anti-hazing rule and penalties by publication in the college catalog/student handbook.

Termination from the Allied Health Programs

A student may be dismissed from the Nursing Degree Program, the Practical Nursing Certificate Program, the Emergency Medical Services Degree Program, Paramedics Certificate Program, Dental Programs, and Human Services Program for any of the following reasons. In all cases Board Rule 6Hx19-6.17, Student Disciplinary Procedures, will be followed.

Faculty shall refer the student to the Assistant Dean of Student Services/Counselor as indicated in the section entitled "Disciplinary Procedures," on the first documented incident related to any of the following reasons:

1. Any action outlined in Board Rule 6Hx19-6.13, and as repeated above under the section entitled "Student Conduct."
 2. Endangering a patient's/client's life by:
 - a. violating standard safety practices in the care of patients.
 - b. delaying care that is within the student's realm of ability and/or knowledge.
 - c. performing skills or procedures that are beyond the realm of the student's ability and/or knowledge.
 - d. failing to comply with the requirement for repeat physical examination, inclusive of drug screening, at the direction of the division director and resulting from observed behavioral changes.
 3. Being found in any restricted or unauthorized area.
 4. Violation of confidential information related to patients/clients.
 5. As the result of due process proceedings based upon a request in writing from the hospital or participating agency that the student be withdrawn from said agency.
 6. Aggressive or dishonest behavior to any college staff members, hospital staff members, Medical Director, physician, patient, or student.
 - a. Aggressive behavior is defined as a forcible, self-assertive action or attitude that is expressed physically, verbally, or symbolically and is manifested by abusive or destructive acts towards oneself or others.
 - b. Dishonest behavior is defined as an untruthful, untrustworthy, or unreliable action.
- AND, for Paramedic Program students,
7. Refusing to follow an order from any physician, hospital staff member, or college instructor.

Disciplinary Procedures

Alleged violations of student regulations or other student misconduct shall be referred to the Assistant Dean of Student Services/Counselor, and then to the Campus Provost as needed. Reprimands or unrecorded disciplinary probation may be administered by these officials. Disciplinary probation will be recorded on the student's permanent record and must be approved by the Dean of Student Services. In situations in which the penalty could be disciplinary suspension (not to exceed one session) or dismissal from the college, the problem will be referred to a campus disciplinary board. The board will be composed of the Vice President of Educational Services as chair, Campus Provost, and the Dean of Student Services, a counselor, a student, and a faculty member. Except for the chair and the Dean of Student Services, all members of the board will be from the accused student's campus.

In all cases in which disciplinary suspension or dismissal could result, the student will be notified by certified mail of the nature of the charges and evidence against him or her and the time and date of the hearing. The notice shall also inform the student of his or her right to appear at the hearing, to face the accuser, and to present any applicable evidence on his/her own behalf. After a careful and thorough hearing on the case, the disciplinary board shall make a final determination by majority vote in accordance with one of the following actions:

1. Dismissal from college.
2. Disciplinary suspension for a specified period of time.
3. Disciplinary probation, which may or may not be recorded on the student's permanent record.
4. Administrative reprimand.
5. Removal of the charges against the student.

Decisions of the disciplinary board may be appealed to the President. In all cases in which disciplinary suspension or dismissal from the college has been determined, a copy of the proceedings of the hearing shall be sent to the President. Nothing in this procedure shall be so construed as to prevent the President or any appropriate official of the college from taking such immediate action as deemed necessary, except that final action shall be in accordance with the procedure as described.

Student Grievances

1. Students should first attempt to resolve grievances locally and informally through discussion with the following campus officials, in the order listed:
 - a. Instructor
 - b. Assistant Dean of Instruction or Division Director
 - c. Assistant Dean of Student Services/Counselor
 - d. Provost
 - e. Dean of Student Services

Each official, upon receipt of a grievance, shall investigate the circumstances — to include interviews with the individuals involved where necessary — and shall attempt to resolve the problem. If unable to do so, the official will refer the matter to the next higher level of responsibility, as indicated above.

2. Should the grievance not be settled at the campus level within ten working days, it shall be referred to the Vice President of Educational Services who shall attempt to resolve the matter within ten working days of receipt. If this effort is unsuccessful, he/she will recommend to the President the appointment of a Special Board to conduct a formal administrative hearing as the basis for final action by the President.
3. The student grievant may request assistance from the Equity Officer at any point during the grievance process. The Equity Officer is not to represent the grievant, but is only to aid the complainant in defining the issue(s) and arranging appointments with campus officials. When such assistance is requested, the Equity officer shall monitor progress of the case to its conclusion.
4. The basis on which a grade was awarded may not be challenged under this grievance procedure. The accuracy of recording the grade may be questioned, and appropriate correction may be sought.

Privacy of Student Records

The college shall maintain such information in its file for each student as is considered essential and appropriate to college operations and student welfare. These records are considered confidential, and strict security procedures will be followed by the college regarding the release of student information.

Students, or their parents in certain cases, have the right to review and to obtain copies of their official records, to seek correction of information contained in those records, and to limit disclosure of information from the records.

In the absence of written notice by a student to withhold any or all information classified as "directory," the college reserves the right to distribute this material. Directory information is defined as the name, address, social security number, telephone number, date and place of birth, major field of study, dates of attendance, degrees and awards received, participation in officially recognized activities, and the most recent educational institutions attended by the student. Copies of the complete policy on this subject may be found in the Offices of the Counseling Staff and Provost of each Campus, and in the Office of the President.

Student Use of College Facilities

Students are not permitted to remain in any college building after college hours (see page 37, College Operating Hours) without faculty supervision. Loitering on college property or at teaching locations is not permitted.

Student Government Association

Each campus has a Student Government Association. Membership is composed of all students at each location. The purpose of these associations is to promote active, responsible, and cooperative citizenship through participation and self-government and to participate in the planning and conduct of extracurricular activities in harmony with student interests.

Student Activities

Participation in extracurricular student activities is encouraged. Students having common interests may form clubs, groups, or organizations as approved by the Campus Student Activities Committee and the college administration. Such activities may be related to courses, athletics, service to the college and the community, publications, religion, and social life. Some examples of extracurricular events are dances, musical and drama productions, forensics, speeches, and films.

Phi Theta Kappa (PTK)

Phi Theta Kappa (PTK) is an honorary fraternity first organized during the summer of 1978 at the North Campus of Pasco-Hernando Community College. The purposes of Phi Theta Kappa are: 1) the promotion of scholarship, 2) the development of leadership and service, and 3) the cultivation of fellowship among students of community colleges throughout the United States.

To be eligible for membership, a student must have completed at least 12 semester hours of college credit at P-HCC with a grade-point average of 3.25 or higher as specified by the respective Chapters. Only courses taken at P-HCC and numbered 1000 or 2000 will be considered when calculating the GPA.

The Pasco-Hernando Community College North Campus Chapter has been designated as Alpha Delta Epsilon, the West Campus Chapter as Alpha Epsilon Upsilon, and the East Campus Chapter as Alpha Zeta Epsilon.

Phi Beta Lambda (PBL)

Phi Beta Lambda (PBL) is a national, state, and local business organization for students interested in business. Members learn the value of competition at the district, state, and national levels. PBL involves a program in which members participate in leadership training, service, social, and fund-raising activities.

The Pasco-Hernando Community College East Campus has been designated as the Beta Omega Omega Chapter, the North Campus as the Mu Alpha Mu Chapter, and the West Campus as the Gamma Alpha Nu Chapter.

Delta Epsilon Chi (DECA)

Delta Epsilon Chi (DECA) is the junior collegiate club under National DECA which offers opportunities for students to participate in activities to help build successful careers in Marketing, Merchandising, Sales, and Management. Competition is held on a state level with the winners competing at a yearly National Career Development Conference.

Vocational Industrial Clubs of America (VICA)

Vocational Industrial Clubs of America (VICA) is a national and state organization for students interested in industrial-technical fields. It fosters respect for the dignity of work, promotes high standards in ethics, craftsmanship, scholarship, and safety; and offers activities that complement occupational skill development. VICA programs include local, state, and national contests in which students demonstrate the occupational and leadership skills they have learned in the shop and in the classroom.

UHURU Club

UHURU, the Swahili word meaning "freedom," is an organization that was established to develop an awareness of and solutions to the problems of the educational, economic, and cultural dilemmas experienced by minority people. The members of this club assist with planning the Martin Luther King, Jr. Celebration, held each January, and Black History Month, held each February.



Student Publications

The Student Government Association of each campus may sponsor a student newsletter as a student activity. The newsletter is a means of distributing information of interest to students and the public. A staff or faculty member on each campus will serve as adviser to the newsletter staff.

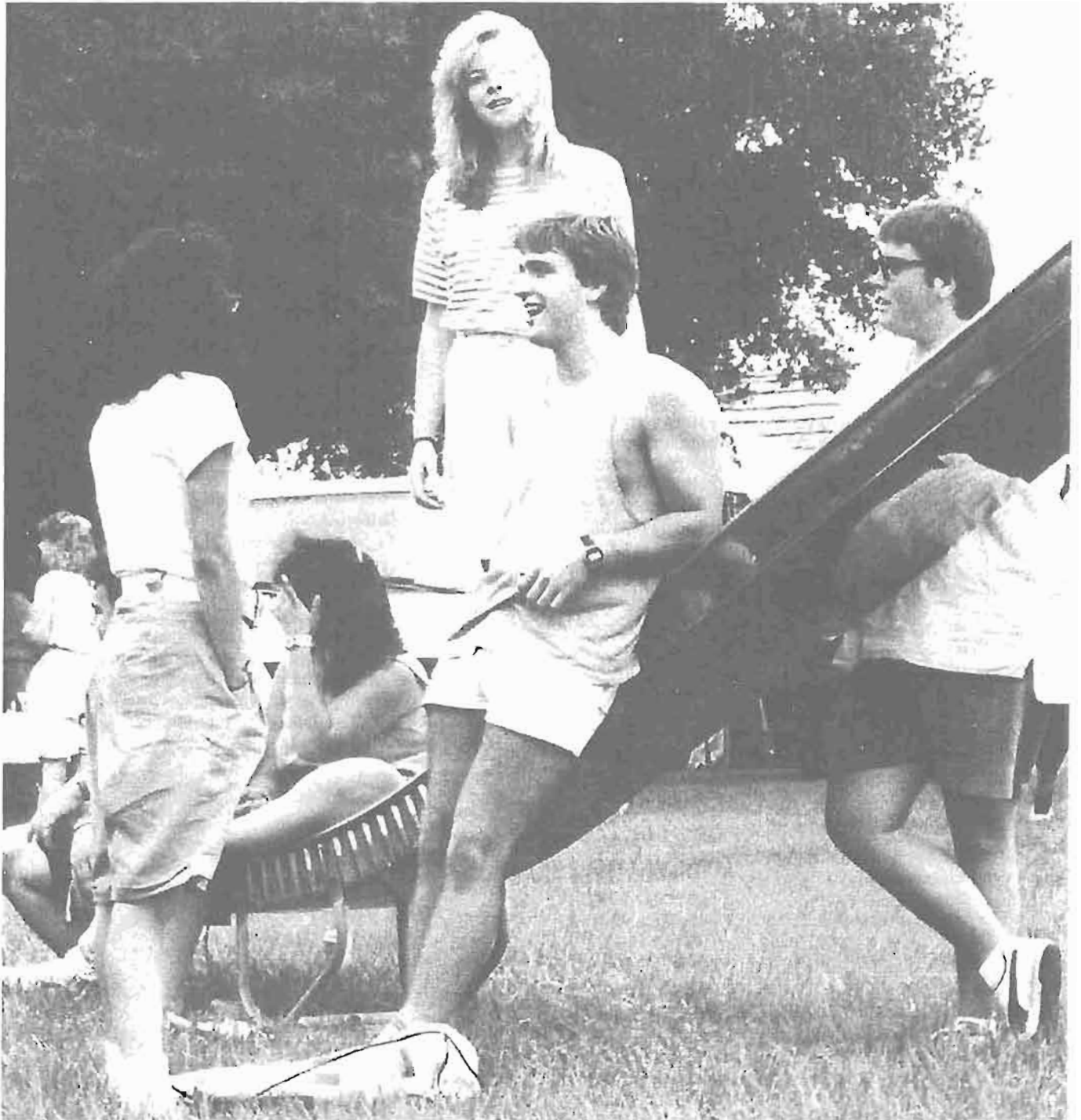
Bookstore Services

Bookstore services include the sale of supplies and textbooks for college courses, as well as various other items of interest to students. Books needed for courses at each campus will be available for purchase at that location. Refunds for un-

marked textbooks are made only during the regular fee refund period. (See Refunds, Page 18.) Sales slips are required for all refunds.

Athletics

The Athletic Program at P-HCC provides opportunities for competition in selected sports between campuses and with other institutions on an informal basis. Equal opportunities are provided to women and men. A limited number of Athletic Scholarships are available. Prospective students, as well as current students, who are interested in these activities should contact the Campus Athletic Office.



ACADEMIC PROGRAMS

Pasco-Hernando Community College is authorized to award the associate degree for satisfactory completion of a planned program of post-high school studies consisting of not less than 62 semester hours and to award certificates as are appropriate upon completion of other courses and programs. Students must apply for degrees and certificates as scheduled in the college calendar and must pay the required fee.

The college offers the Associate in Arts Degree and the Associate in Science Degree in a number of occupational fields, together with Certificates in various occupational areas. **STUDENTS ARE CAUTIONED THAT ALL COURSES IN A PROGRAM ARE NOT NECESSARILY OFFERED ON ALL CAMPUSES.**

A student must earn at least 15 semester hours at PHCC other than by CLEP, Advanced Placement, and Credit-by-Examination in order to obtain a degree; and at least 6 hours for a certificate. The additional hours may be earned by regular class attendance or by any of the methods described under Acceleration of Program.

Course Transferability

Courses designated as required under the Associate in Arts Degree Program are fully transferable to a Florida senior public institution in meeting the general education requirements. All other catalog courses listed as 1000- or 2000-level are credited for purposes of graduation from Pasco-Hernando Community College, but may not be accepted by the institution to which a student transfers. A counselor will assist in providing information on courses normally accepted for transfer at a particular university or four-year college.

Courses identified as part of the 17- to 19-hour core program in an Associate in Science Degree may be transferable to a senior Florida institution. However, the core courses do not complete the general education requirements for transfer at the junior level, and they may not prepare a student to take the CLAST examination mandated for Florida public colleges and universities (See Page 32, CLAST Testing). Selection of courses other than those required is the responsibility of the student and should be related to future goals.

Continuing Education Program

Pasco-Hernando Community College will provide such Continuing Education Courses as are needed to serve the youth and adults of the college district. These courses are designed to meet specific needs and may vary in content, length, and time scheduled. The college shall offer one Continuing Education Unit (CEU) for each 10 clock hours of work accomplished in Continuing Education Supplemental Courses. Records of such courses are maintained by the College.

Continuing Education Courses may be listed in one of the following two categories:

Lifelong Learning (CEL)

These courses are designed to improve an individual's non work-related competencies or to enhance an individual's quality of life.

Fees shall be charged for CEL Courses in accordance with the fee structure established by the District Board of Trustees (See Page 17).

Supplemental Courses

These courses are organized and designed to develop or enhance an individual's occupational skills. Fees shall be charged for Supplemental Courses in accordance with the fee structure established by the District Board of Trustees (See Page 17).

Guidelines of the State Board of Community Colleges will be used in appropriately identifying these courses.

Transfer Program

The Associate in Arts (AA) Degree Program is the preparatory program for advanced studies at other colleges and universities. Students seeking this degree or intending to transfer to the upper division of a state university must complete the College Level Academic Skills Testing (CLAST) requirements (See Page 32).

Satisfactory completion of the AA Degree Program, to include the CLAST examination, will allow a student to enter a Florida public university at the junior level. Flexibility is allowed in the AA Degree Program to permit a student to prepare for almost any bachelor's degree program. The satisfactory completion of the program neither implies nor guarantees that all lower-level requirements in a program of the student's choice at a higher level institution have been met. For this reason, any student who expects to transfer to a senior institution is advised to **CONTACT THE DEPARTMENT OF THAT INSTITUTION**



AS EARLY AS POSSIBLE FOR INFORMATION ON COURSES TO BE TAKEN WHILE AT PASCO-HERNANDO COMMUNITY COLLEGE. FINAL RESPONSIBILITY FOR CHOICE OF PROGRAM AND COURSES AT PASCO-HERNANDO COMMUNITY COLLEGE, HOWEVER, RESTS WITH THE STUDENT.

College catalogs and counseling manuals from all state universities and other senior colleges are available in the Counseling Office at any Pasco-Hernando Community College campus. Counselors are available, by appointment, to assist the student in planning a program.

Foreign Language Requirement

Effective August 1, 1987, all undergraduate students who are admitted to a university shall have earned two credits of sequential foreign language at the secondary level or the equivalent of such instruction at the postsecondary level. Students who received Associate in Arts Degrees prior to September 1, 1987, or who enrolled in a program of studies leading to an Associate's Degree from a Florida community college prior to August 1, 1989, and maintain continuous enrollment shall be exempt from this admissions requirement.

Effective August 1, 1991, each student who is admitted to a state university must have completed successfully two credits of sequential foreign language at the secondary level or the equivalent of such instruction at the postsecondary level. A student must earn such credits prior to admission to the upper-division of a state university.

College Preparatory Courses

Pasco-Hernando Community College offers College Preparatory Courses which are below college level for students in need of review work in skills necessary for college-level academic courses. Individually prescribed study is also available in the Learning Laboratories. See "Common Placement Testing," Page 27, and consult a P-HCC counselor for further information. Credits earned in College Preparatory Courses do not apply toward Degrees or Certificates.

Police Standards Program (Law Enforcement/Basic Recruit)

Pasco-Hernando Community College offers the Basic Recruit, Police Standards Program (CJD 0000). This vocational credit program fulfills the requirements set forth by the Florida Police Standards and Training Commission Basic Recruit Curriculum.

Six hours of credit may be granted for the successful completion of a Florida Police Standards Basic Recruit Course. Credit is not applicable to those who have already qualified for credit under the provisions of a previous catalog. Under this provision, three hours each may be awarded for CCJ 2220, Criminal Law, and for CJT 1100, Criminal Investigation.

In order to be awarded the credit, a student must:

1. Complete the application form and pay the required fee.
2. Supply to the Records Office a copy of the Certificate awarded at the completion of the Basic Recruit Program.

This program is housed in the Gowers Corner Center. This facility offers training programs for all law enforcement agencies throughout Pasco County.

Military Science Program — Reserve Officers' Training Corps (ROTC)

A dual enrollment program with the University of South Florida is offered by Pasco-Hernando Community College (see Course Descriptions, Page 93). Students interested in enrolling in the program are required to make application with the University of South Florida. Normally, students accepted into the program will be assigned to attend classes at St. Leo College. Please consult a counselor for further details.

National Management Association Program

A maximum of twelve (12) hours of credit may be granted for the successful completion of the National Management Association Program in conjunction with the Institute of Certified Professional Managers. The credit can only be applied toward the designated courses in the Associate in Science in Business Administration & Management and the Associate in Science in Marketing Management.

The credit may be awarded for the following courses as selected by the American Council on Education:

(From the National Management Association)

- Course #1, Introduction to Supervision
- Course #2, Management Principles
- Course #3, Communication Skills
- Course #4, Interpersonal Relations
- Course #5, Developing Employee Performance
- Course #6, Challenge of a New Employee
- Course #7, Counseling
- Course #8, Leadership Development
- Course #9, Business Concepts
- Course #10, Law for the Layman

(From the Institute of Certified Professional Managers)

- Interpersonal Skills for the Manager
- Administrative Skills for the Manager
- Personal Skills for the Manager

After successful completion of all the above courses, a student may be granted three (3) hours of credit each for the following P-HCC courses.

	Credit
MNA 2300, Personnel Relationships in Business	3
MNA 1345, Principles of Supervision	3
Total	6

The remaining six (6) hours of credit may be awarded in lieu of six (6) hours of Approved Business Electives in each of the P-HCC business programs previously identified.

In order to be awarded the credit, a student must:

1. Complete the college application form and pay the required fee.
2. Inform the Director of Admissions/Student Records that credit is being sought, and
3. Supply to the Records Office a copy of the certificate awarded upon completion of the courses identified above under the National Management Program in conjunction with the Institute of Certified Professional Managers.

ASSOCIATE IN ARTS

(For admission requirements to the Associate In Arts Degree Program, see Page 14)

The Associate In Arts Degree will be awarded upon completion of a minimum of 62 credit hours and upon passing the state-prescribed College-Level Academic Skills Test (CLAST) (See Page 32). A minimum of 42 credit hours must be earned in General Education requirements as provided in the statewide Articulation Agreement. The remaining 20 hours may consist of any course(s) in the catalog section under "Courses" that are 1000 or 2000 level. Required Communication, Computation, and Humanities courses must each be completed with a grade of "C" or above. Fifteen (15) hours of credit, other than credit-by-examination, must be earned in residence at Pasco-Hernando Community College. A cumulative grade-point average of not less than 2.0 or "C" must be achieved by graduation.

OBJECTIVES OF THE ASSOCIATE IN ARTS (AA) DEGREE PROGRAM

PURPOSE

The purpose of the Associate in Arts (AA) Degree Program is to prepare the student for transfer at the junior level, especially to the State University System (SUS) of Florida, by providing academic courses which are parallel in both content and quality to those taught within the SUS.

OBJECTIVES

1. To enhance the ability of students to communicate ideas and meaning in writing with competency in form and substance
MEASUREMENT
All AA graduates will have completed successfully (with a "C" or higher) English Composition I (ENC 1101).
All AA graduates will have completed successfully the English language skills and the essay portions of the College Level Academic Skills Test (CLAST).
2. To develop in students the skills necessary to prepare research papers
MEASUREMENT
All AA graduates will have completed successfully (with a "C" or higher) English Composition II (ENC 1102). These skills are reinforced in Humanities I (HUM 2211) and Humanities II (HUM 2230)
3. To strengthen speaking, listening, and reading skills in students
MEASUREMENT
All AA graduates will have completed successfully (with a "C" or higher) Modes of Communication (SPC 2010) and/or
All AA graduates will have completed successfully the reading skills portion of the College Level Academic Skills Test (CLAST).
4. To ensure that all students are provided with a broad spectrum of mathematical skills
MEASUREMENT
All AA graduates will have completed successfully (with a "C" or higher) Finite Mathematics (MGF 1202) and/or
All AA graduates will have completed successfully the mathematics skills portion of the College Level Academic Skills Test (CLAST).
5. To develop in students mathematical competency, accuracy, and understanding consistent with university requirements/recommendations
MEASUREMENT
All AA graduates will have completed successfully (with a "C" or higher) at least seven (7) hours of mathematics at the level of College Algebra (MAC 1104) or above.
6. To nurture in students an understanding of the structure, function, and basic components of the biological and physical worlds
MEASUREMENT
All AA graduates will have completed successfully at least three science courses—one biological science course from a prescribed list, one physical science course from a prescribed list, and a third science course either from these prescribed lists or any course with a GLY or OCY prefix.
7. To foster in students an understanding of behavior
MEASUREMENT
All AA graduates will have completed successfully Introduction to Psychology (PSY 1012).
8. To develop in students an appreciation of the arts and humanities, including the critical awareness of cultures and cultural diversity
MEASUREMENT
All AA graduates will have completed successfully (with a "C" or higher) Humanities I (HUM 2211) and Humanities II (HUM 2230).
9. To develop in students knowledge and understanding of the structure and function of government
MEASUREMENT
All AA graduates will have completed successfully American Federal Government (POS 2041).
10. To prepare students for successful academic performance upon transfer to the upper-division institutions in the State University System (SUS)
MEASUREMENT
The mean grade-point average (GPA) of P-HCC graduates who transfer to the SUS will be at least equal to the mean GPA of other transfer students in the SUS.
11. To foster in students an understanding of the importance of a healthy body
MEASUREMENT
All AA graduates will have completed successfully two hours of physical education credits.

12. To develop computer literacy skills in students

MEASUREMENT

All AA students who enter PHCC without computer skills will be encouraged to complete successfully a computer course such as Introduction to Computer Literacy (CGS 1061), Electronic Writing (OST 1743), or Introduction to Data Processing (CGS 1000) as an elective course. Student self-reported computer skills will be determined by the annual AA graduate follow-up study.

13. To provide students with a varied educational experience

MEASUREMENT

All AA graduates will have completed successfully up to 20 credits in addition to the minimum of 42 credits in the general education core program.

ADDITIONAL ASSISTANCE

Students are provided assistance to enhance the probability of successful performance at the college level. For example, entering students are administered the Florida Multiple Assessment Programs and Services Test (MAPS) so that they can be advised and placed in the proper communications and computations courses.

The following scale scores on the College Level Academic Skills Test (CLAST) must be achieved in order to be awarded the Associate in Arts Degree:

Effective August 1, 1986 through July 31, 1989:

Reading — 270; Writing — 270; Computation — 275; and Essay — 4 (unless a score of 3 was earned on a test prior to March, 1984).

Effective August 1, 1989:

Reading — 295; Writing — 295; Computation — 285; and Essay — 4.

Effective August 1, 1990:

Reading — 295; Writing — 295; Computation — 295; and Essay — 5.

ENC 1101, ENC 1102, HUM 2211 and HUM 2230 MUST BE TAKEN IN SEQUENCE. MGF 1202 MUST BE TAKEN WITHIN THE FIRST 30 HOURS OF COURSE WORK.

General Education Requirements for the AA Program

	Semester Hours	Credit
I. Communications	9	
*ENC 1101 English Composition I		
*ENC 1102 English Composition II		
*SPC 2010 Modes of Communication		
II. Mathematics	7 (Minimum)	
*MGF 1202 Finite Mathematics		
*MAC 1104 College Algebra		
(NOTE: STA 2014 or any MAC course above MAC 1104 in this catalog may be substituted for MAC 1104.)		
III. Sciences	9 (Minimum)	
Biological Science (one course) (APB, BOT, BSC, MCB, ZOO)		
Physical Science (one course) (CHM, PSC, PHY)		
Biological or Physical Science (one course) (any of the above prefixes plus OCE and GLY)		
IV. Social and Behavioral Sciences	9	
POS 2041 American Federal Government		
PSY 1012 Introduction to Psychology		
AND		
Any course with the prefix: AMH, ANT, DEP, ECO, EUH, EXP, GEA, IDS, INR, POS, PSY, SYG, SLS 1211		
V. Humanities	6	
*HUM 2211 Humanities I		
*HUM 2230 Humanities II		
VI. Physical Fitness (PEL or PEM)	2	

*These courses must be completed with a grade of "C" or higher.

Electives

The remaining hours may be completed from courses listed in the catalog section under "Courses" at the 1000 or 2000 level. The student is urged to select electives relevant to his/her proposed major. If the major is undecided, counselors are prepared to provide assistance in the selection process.

The student who is not computer literate is urged to choose an elective in which he/she will acquire this skill. Counselors will help to advise.

The student who does not meet the foreign language requirement set by the State University System of Florida (see Page 45) is urged to take these courses. Counselors will help to advise.

Foreign Language Requirement

Effective August 1, 1987, all undergraduate students who are admitted to a university shall have earned two credits of sequential foreign language at the secondary level or the equivalent of such instruction at the postsecondary level. Students who received Associate In Arts Degrees prior to September 1, 1987, or who enrolled in a program of studies leading to an Associate's Degree from a Florida community college prior to August 1, 1989, and maintain continuous enrollment shall be exempt from this requirement.

Effective August 1, 1991, each student who is admitted to a state university must have completed successfully two credits of sequential foreign language at the secondary level or the equivalent of such instruction at the postsecondary level. A student must earn such credits prior to admission to the upper-division of a state university.

Business Transfer Majors

Associate in Arts graduates expecting to transfer to a Florida public university in the field of Business should be certain to include the following courses in their program:

MAC 1104	College Algebra
MGF 1202	Finite Mathematics
STA 2014	Applied Statistics
CGS 1000	Introduction to Data Processing
ACG 2001	Principles of Accounting I
ACG 2011	Principles of Accounting II
ECO 2013	Principles of Economics I
ECO 2023	Principles of Economics II
MAC 2311	Calculus and Analytic Geometry I

Students are encouraged to contact the Business Department of the university to which they expect to transfer for specific program requirements.

Associate in Science Programs

The Associate In Science Programs prepare students for employment in selected fields upon completion of a minimum of two years, or four semesters, of preparation. A certificate may be awarded in some programs after one year of prescribed work. **ASSOCIATE IN SCIENCE PROGRAMS ARE NOT DESIGNED FOR TRANSFER TO A UNIVERSITY, AND COMPONENT COURSES MAY NOT CORRESPOND TO THOSE CONTAINED IN A UNIVERSITY PROGRAM OF THE SAME OR SIMILAR TITLE. STUDENTS EXPECTING TO TRANSFER ARE ADVISED TO PURSUE THE ASSOCIATE IN ARTS DEGREE, WHICH REQUIRES SUCCESSFUL COMPLETION OF THE COLLEGE LEVEL ACADEMIC SKILLS TEST (SEE PAGE 32).**

Certificate Programs

The various Certificate Programs prepare students for initial employment in designated occupational fields upon satisfactory completion of prescribed courses of study. A minimum of six hours must have been taken at Pasco-Hernando Community College. After completing the specified number of hours, the Certificate Programs may be transferable to an associated Associate In Science Degree. A cumulative grade-point average of 2.0 or "C" must be achieved.

ASSOCIATE IN SCIENCE

An Associate in Science Degree will be awarded upon completion of a minimum of 62 credit hours earned in a career or technical program. The individual must complete the 17-19 hour core program for the Associate in Science Degree and the remaining hours from an approved program. Courses designated for Vocational Certificates, or below the 1000 or 2000 level, are not applicable to this degree. Fifteen hours of credit must be earned in residence at Pasco-Hernando Community College. A cumulative grade-point average of not less than 2.0 or "C" must be achieved prior to graduation.

The core program (general education requirements) for the Associate in Science Degree is:

	Semester Hours	Credit
I. Communications		
*ENC 1101 English Composition I		3
II. Social Sciences		
POS 2041 American Federal Government (except for ADN Nursing Program)		3
III. Mathematics or Natural Sciences		3 or 4
Any one of the following courses:		
Mathematics (MAC 1104, MAC 1114, MGF 1202, or STA 2014)		
or		
Biological Science (any course with APB or BSC or OCE prefix)		
or		
Physical Science (any course with PSC or CHM prefix)		

IV.	Humanities Any of the following courses: Art Appreciation (ARH 1001) *English Composition II (ENC 1102) Drama (THE 2000, THE 2010, THE 2020, TPP 1110) Foreign Language (any course with an FRE or SPN prefix)	3
V.	Core Elective Any course not used already to satisfy I, II, III or IV above or any course on the following list of courses: Geography (any course with a GEA prefix) History (any course with AMH or EUH prefix) Humanities I (HUM 2211) Individual Discovery (SLS 1211) Psychology (any course with PSY or DEP prefix) Reading (REA 1105) Sociology (any course with SOW or SYG prefix)	3 or 4
VI.	Physical Fitness (PEL or PEM)	2
TOTAL		17 to 19 hours

*Grade of "C" or above required

Each program will also include general computational skills, oral communication skills, and human relations skills taught in a specific course or courses, based on the curricular needs. Some programs may also require particular courses to meet the requirements in III, IV, and V above. See the Individual program listings.

It is recommended strongly that the first of any required English and mathematics courses be taken within the first 15 hours of course work. If the need for college preparatory courses is indicated by pre-test scores, they should be taken within the first six hours of course work. The first of any required English and mathematics courses, as applicable, should be taken as soon thereafter as the student demonstrates the necessary skills for these courses.

The Associate in Science Degrees and associated Certificate Programs offered at Pasco-Hernando Community College are as follows:

Associate in Science Degree in:

- Building Construction Technology
- Business Administration and Management
- Computer Programming and Analysis
- Criminal Justice Technology
- Electronics Engineering Technology
- Emergency Medical Services Technology
- Fire Science Technology
- Hospitality Management
- Human Services Technology
- Marketing Management
- Nursing, with the:
 - Generic Track
 - Licensed Practical Nurse – Limited Access
- Office Systems Technology
 - Word-Information Processing Option
- Business Administration – Vocational Track

Associated Certificate Program in:

- Small Business Management ✓
 - Paramedic ✓
 - Small Business Management ✓
 - Office Systems Specialist ✓
 - Word-Information Systems Option ✓
 - Cosmetology
 - Dental Assisting
 - Electronic Technology
 - Heavy Duty Truck & Bus Mechanics
 - Landscape Operations
 - Licensed Practical Nursing
 - Welding
- (See pages 68-69 for additional certificate programs that are unrelated to the Associate in Science Degree.)

ALL PROGRAMS AND COURSES ARE NOT AVAILABLE ON ALL CAMPUSES. CONTACT THE CAMPUS COUNSELING OFFICE TO DETERMINE WHETHER THE PROGRAM BEING SOUGHT IS OFFERED ON A PARTICULAR CAMPUS.

ASSOCIATE IN SCIENCE IN BUILDING CONSTRUCTION TECHNOLOGY

This program is designed to prepare technicians for employment or to upgrade or retrain persons who are or have been employed in the building construction industry. Examples of job titles include: estimator, construction supervisor, construction foreman, building inspector, and expeditor. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT	
		Session I	Session II
FRESHMAN			
ENC 1101	English Composition I	3	
MAC 1104	College Algebra	4	
MNA 2300	Personnel Relationships in Business	3	
BCN 1220	Structures I	3	
GEB 1011	Introduction to Business	3	
ENC 1102	English Composition II		3
MNA 1345	Principles of Supervision		3
BCT 1040	Basic Drafting & Blueprint Reading		3
CGS 1061	Computer Literacy		3
BCN 1221	Structures II		3
	Physical Fitness (PEL or PEM)	1	1
		<u>17</u>	<u>16</u>
SOPHOMORE			
MAN 1800	Small Business Management	3	
ETD 1530C	Architectural Drawing	3	
BCN 2610	Construction Estimating	3	
BUL 2111	Business Law I	3	
POS 2041	American Federal Government	3	
BCN 2765	Codes, Contracts & Specifications		3
SUR 2001C	Surveying I		3
ETD 1380C	CAD/CAM Drawing		3
Elective	Biological Sciences (APB, BSC or OCE)		3 (4)
Elective	(from Approved Electives)		3
		<u>15</u>	<u>15 (16)</u>
<i>Approved Electives:</i>			
BCN 1501	Plumbing Systems		
BCN 1520	Electrical Systems		
SUR 2200C	Surveying II		
CGS 1570	Microcomputer Applications		
CGS 1000	Introduction to Data Processing		
MKA 2021	Salesmanship		
MAR 1011	Principles of Marketing		
BUL 2112	Business Law II		

ASSOCIATE IN SCIENCE IN BUSINESS ADMINISTRATION & MANAGEMENT

This program is designed to provide the necessary skills for students who plan to seek employment in clerical or junior executive positions such as management trainee, general office clerk, personnel assistant, office manager, purchasing agent, and inventory clerk. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT	
		Session I	Session II
FRESHMAN			
ENC 1101	English Composition I ✓	3	
POS 2041	American Federal Government ✓	3	
GEB 1011	Introduction to Business ✓	3	
+ MNA 2300	Personnel Relationships in Business ✓	3	
MAR 1011	Principles of Marketing ✓	3	
Elective	Area IV (See Page 46) ✓		3
*OST 1100	Beginning Typewriting ✓		3
OMB 1001	Business Mathematics ✓		3
Elective	(Suggested Electives, See Page 63)		3
Elective	Area V (See Page 46) ✓		3 (4)
	Physical Fitness (PEL or PEM) ✓	1	1
		<u>16</u>	<u>16 (17)</u>
SOPHOMORE			
ACG 2001	Principles of Accounting I ✓	3	
CGS 1000	Introduction to Data Processing ✓	3	
OST 2321	Electronic Office Machines ✓	3	
BUL 2111	Business Law I ✓	3	
Elective	(Suggested Electives, See Page 63)	3	
ACG 2011	Principles of Accounting II ✓		3
ECO 2013	Principles of Economics I ✓		3
OST 2335	Business Communications ✓		3
Elective	Area III (See Page 45) ✓		3 (4)
+ MNA 1345	Principles of Supervision ✓		3
		<u>15</u>	<u>15 (16)</u>

*Typewriting courses may be waived by completing satisfactorily the next level course. Six hours of electives may come from the following disciplines: Computer Programming and Analysis, Business, and Real Estate.

+Twelve (12) hours of credit may be granted for the successful completion of the National Management Association Program (See Page 42 for further information.)



CERTIFICATE PROGRAM — SMALL BUSINESS MANAGEMENT

This program is to prepare students to operate a small business and to become small business owners and entrepreneurs. It also provides supplemental training for persons previously or currently operating or owning a small business.

High school transcript or GED scores and transcripts from all colleges and universities previously attended are required for admission.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT	
		Session I	Session II
FRESHMAN			
OMB 1001	Business Mathematics ✓	3	
CGS 1000	Introduction to Data Processing ✓	3	
*OST 2335	Business Communications	3	
MNA 1345	Principles of Supervision	3	
GEB 1011	Introduction to Business ✓	3	
ACG 2001	Principles of Accounting I ✓		3
ECO 2013	Principles of Economics I		3
MNA 2300	Personnel Relationships in Business ✓		3
*MAN 1800	Small Business Management		3
BUL 2111	Business Law I		3
		15	15

SUGGESTED ADDITIONAL COURSES

MAR 1011	Principles of Marketing ✓
MKA 2021	Salesmanship
MKA 2511	Principles of Advertising
*BAN 1210	Analyzing Financial Statements
*ACG 2011	Principles of Accounting II
*BUL 2112	Business Law II
FIN 1100	Personal Finance
*CGS 1570	Microcomputer Applications

*Prerequisite required.



ASSOCIATE IN SCIENCE IN COMPUTER PROGRAMMING & ANALYSIS

This program is designed to provide the necessary skills for students who plan to seek employment in positions such as computer programmer, systems analyst, computer operator, and other data processing occupations. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT	
		Session I	Session II
FRESHMAN			
ENC 1101	English Composition I	3	
*OST 1100	Beginning Typewriting	3	
GEB 1011	Introduction to Business	3	
CGS 1000	Introduction to Data Processing	3	
COP 1000	Introduction to Programming Logic	3	
MNA 2300	Personnel Relationships in Business		3
Elective	Any Math Course Listed In Area III (See Page 45)		3 (4)
COP 2170	Microcomputers and BASIC Programming		3
CGS 1570	Microcomputer Applications		3
Elective	Area IV (See Page 46)		3
	Physical Fitness (PEL or PEM)	1	1
		<u>16</u>	<u>16 (17)</u>
SOPHOMORE			
ACG 2001	Principles of Accounting I	3	
POS 2041	American Federal Government	3	
COP 2120	COBOL Programming I	3	
CIS 2321	Systems Analysis & Design	3	
Elective	Area V (See Page 46)	3 (4)	
ACG 2011	Principles of Accounting II		3
COP 2121	COBOL Programming II		3
CGS 2540	Advanced Microcomputing w/dBase III+		3
CIS 2940	Data Processing Practicum		3
Elective	(Suggested Electives)		3
		<u>15 (16)</u>	<u>15</u>

*Typewriting courses may be waived by satisfactorily completing the next level course.

Suggested Electives:

CGS 2510	Advanced Microcomputing w/Lotus 1-2-3
CGS 2571	Advanced Microcomputer Applications
COP 2210	PASCAL Programming
COP 2220	"C" Language Programming



ASSOCIATE IN SCIENCE IN CRIMINAL JUSTICE TECHNOLOGY

This program provides a professional background to those preparing for careers in law enforcement. The program should be followed by those intending to pursue a two-year degree program in law enforcement. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT	
		Session I	Session II
FRESHMAN			
ENC 1101	English Composition I	3	
PSC 1311	Introduction to Physical Universe II	3	
SYG 2000	Introduction to Sociology	3	
CCJ 1100	Introduction to Law Enforcement	3	
CCJ 1400	Police Organization & Administration	3	
ENC 1102	English Composition II		3
*CJT 1100	Criminal Investigation		3
CCJ 1401	Police Operations		3
Electives			6
	Physical Fitness (PEL or PEM)	1	1
		<u>16</u>	<u>16</u>
SOPHOMORE			
MNA 2300	Personnel Relationships In Business	3	
CJT 1110	Introduction to Criminalistics	3	
*CCJ 2220	Criminal Law	3	
POS 2041	American Federal Government	3	
Elective		3	
+ DEP 2002	Child Psychology, OR		3
+ DEP 2302	Adolescent Psychology		3
CCJ 2130	Police Community Relations		3
CCJ 2250	Rules of Evidence for Police		3
CCJ 1000	Crime and Delinquency		3
CCJ 2000	Police Role in Crime		3
		<u>15</u>	<u>15</u>

*Pasco-Hernando Community College offers the Basic Recruit, Police Standards Program (CCJ 0000). This vocational credit program fulfills the requirements set forth by the Florida Police Standards and Training Commission Basic Recruit Curriculum. Six hours of credit may be granted for the successful completion of a Florida Police Standards Basic Recruit Course. Under this provision, three hours each will be awarded for CCJ 2220 (Criminal Law) and CJT 1100 (Criminal Investigation). Credit is not applicable to those who have qualified for credit under the provisions of a previous catalog. (See Page 42 for further information.)

+PSY 1012 is not a required prerequisite.

ASSOCIATE IN SCIENCE IN ELECTRONIC ENGINEERING TECHNOLOGY

This program is designed to prepare the student for employment within the electronics industry. It provides a sufficiently broad knowledge of electronic circuits, electronic systems, computer maintenance, and computer services to allow students to become proficient in a variety of areas within the electronics industry.

The program contains a core of courses designed to provide students with essential electronics, English, mathematics, and social science concepts. In the fourth semester students may explore courses within three "areas of interest": Digital Control Systems, Communications Systems, and Computer Services.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT	
		Session I	Session II
FRESHMAN			
ENC 1101	English Composition I	3	
MAC 1104	College Algebra	4	
EET 1015C	Electronics I	5	
ETD 1651C	Electronics Drawing	2	
MNA 2300	Personnel Relationships In Business	3	
ENC 1102	English Composition II		3
MAC 1114	Trigonometry		3
EET 1025C	Electronics II		5
CET 2114C	Digital Electronics		4
ETD 1380C	CAD/CAM Drawing		3
	Physical Fitness (PEL or PEM)	1	1
		18	19
SOPHOMORE			
EET 2605C	Electronic Fabrication Techniques	5	
EET 2142C	Electronics III	4	
CET 2121C	Microprocessor Programming Principles	4	
PHY 1053C	General Physics I	4	
POS 2041	American Federal Government		3
EET 2215C	Electronic Instrumentation		4
CET 2123C	Digital Systems		4
EET 2146C	Electronics IV		4
Elective	(Approved Electives)		4 (3)
		17	19 (18)
<i>Approved Electives</i>			
Computer Services			
CET 2152C	Microcomputer Hardware and Software Fault Analysis		
CET 2186C	Peripheral Device Repair		
Digital Control Systems			
EST 2124C	Robot and Numerical Control Mechanics		
CET 2341C	Microprocessor Controllers for Machines and Robots		
Communications Systems			
EET 2326C	Electronic Communications		
EET 2385C	Fiber Optics Technology		

ASSOCIATE IN SCIENCE IN EMERGENCY MEDICAL SERVICES TECHNOLOGY

Application Deadline: July 15

This program is designed to prepare men and women to provide advanced pre-hospital emergency care as a paramedic. Instruction includes the knowledge and skills required to function under the direction of a physician, either directly or by written procedures. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval from that institution.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT		
		Session I	Session II	Session III
FRESHMAN				
ENC 1101	English Composition I	3		
*EMS 1119C	Emergency Medical Technology	6		
*EMS 1431	Emergency Medical Technology Clinical	1		
APB 1811	Human Anatomy & Physiology I	3		
APB 1811L	Human Anatomy & Physiology I Laboratory	1		
ENC 1102	English Composition II		3	
APB 1812	Human Anatomy & Physiology II		3	
APB 1812L	Human Anatomy & Physiology II Laboratory		1	
HSC 2531	Medical Terminology I		3	
POS 2041	American Federal Government		3	
PSY 1012	Introduction to Psychology			3
MNA 2300	Personnel Relationships in Business			3
OMB 1001	Business Mathematics		3	
	Physical Fitness (PEL or PEM)	1	1	
		<u>15</u>	<u>17</u>	<u>6</u>

*Successful completion of EMS 1119C and EMS 1431 qualifies the student to take the Florida EMT Certification Examination. (See Paramedic Certificate Program, Page 54.)

Students wishing to continue to the Sophomore year must first be approved for admission by the Admissions Committee for Special Programs. (See Paramedic Certificate Program, Page 54.)

SOPHOMORE		Session I	Session II	Session III
EMS 2219C	Paramedics I	8		
EMS 2435	Paramedics Clinical I	4		
EMS 2229C	Paramedics II		8	
EMS 2436	Paramedics Clinical II		8	
EMS 2425	Paramedics Internship			6
		<u>12</u>	<u>16</u>	<u>6</u>
	General Education	28 Semester Hours		
	EMS Education	44 Semester Hours		
	Total	72 Semester Hours		

Upon successful completion of the Sophomore year (Certificate Paramedic Program) and successful completion of a final comprehensive written skills examination, the graduate is eligible to sit for the State of Florida Paramedic Examination for certification, which requires a Letter of Certification for one year's performance as a registered or certified EMT (HRS Form 544, August, 1981).

CERTIFICATE PROGRAM – PARAMEDIC

Application Deadline: July 15 – A limited access program with documents required for admission listed in the application materials.

This program provides a theoretical base to understand and implement life-saving techniques in an emergency situation. College laboratory experience is provided for learning skills; and a supervised clinical rotation enables the trainee to gain confidence and expertise in order to implement the life-saving and supportive measures necessary at the emergency scene and during transportation to a medical facility. Upon successful completion of the Certificate Program and successful completion of a final comprehensive written and skills examination, the graduate is eligible to sit for the State of Florida Paramedic Examination for certification as a Paramedic, which requires a Letter of Certification of one year's performance as a certified EMT (HRS 544, August, 1981); and may transfer into the two-year Associate in Science in Emergency Medical Services Program.

Prerequisite: Admission into the Paramedic Certificate Program
(See Paramedic Certificate Program, Page 15.)

Pre or Corequisite: HSC 2531 Medical Terminology I

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT		
		Session I	Session II	Session III
FRESHMAN				
EMS 2219C	Paramedics I	8		
EMS 2435	Paramedics Clinical I	4		
EMS 2229C	Paramedics II		8	
EMS 2436	Paramedics Clinical II		8	
EMS 2425	Paramedics Internship			6
		12	16	6

An academic average of "C" or better in each course and a grade of "Satisfactory" in each clinical must be earned in order to continue in the program. Paramedic courses may only be repeated upon recommendation of faculty, approval of the Admissions Committee for Special Programs, and if class space is available.



ASSOCIATE IN SCIENCE IN FIRE SCIENCE TECHNOLOGY

The Fire Science Technology Program is designed to prepare firefighters for advanced careers in the field of firefighting, fire protection, detection and alarm manufacture, safety and fire engineering, and architectural assistance.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT	
		Session I	Session II
FRESHMAN			
ENC 1101	English Composition I	3	
QMB 1001	Business Mathematics	3	
PSY 1012	Introduction to Psychology	3	
FFP 1000	Introduction to Fire Science	3	
FFP 1200	Introduction to Fire Inspection & Prevention	3	
ENC 1102	English Composition II		3
CHM 1025C	Introductory Chemistry		4
FFP 1410	Firefighting Tactics and Strategy I		3
FFP 1130	Fire Company Leadership		3
FFP 1150	Methods & Techniques of Fire Science Instruction		3
	Physical Fitness (PEL or PEM)	1	1
		<u>16</u>	<u>17</u>
SOPHOMORE			
POS 2041	American Federal Government	3	
MNA 2300	Personnel Relationships in Business	3	
FFP 1420	Firefighting Tactics and Strategy II	3	
FFP 1110	Fire Company Management	3	
CGS 1061	Computer Literacy	3	
FFP 2600	Fire Apparatus Practices		3
FFP 2500	Hazardous Materials		3
FFP 1300	Building Construction and Codes		3
Elective	Area V (See Page 46)		3
Elective	Any elective		<u>3 (4)</u>
		<u>15</u>	<u>15 (16)</u>

Students who have successfully completed a State of Florida Fire College course equivalent to any of the above courses will be granted credit upon successful completion of a P-HCC Credit-by-Examination.

Students showing proof of a satisfactory score on a State of Florida Fire College Standards Examination which is equivalent to any of the above courses will be granted P-HCC credit.

ASSOCIATE IN SCIENCE IN HOSPITALITY MANAGEMENT

This program prepares students to function at the management level in the culinary arts and hospitality management field. With work experience in the field, a position as cafeteria manager, chef, private club manager, restaurant manager, school food manager, or related title might be obtained.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT	
		Session I	Session II
FRESHMAN			
ENC 1101	English Composition I	3	
FSS 1004	Introduction to Food Service	3	
FSS 1202C	Basic Food Preparation	4	
FSS 1401	Food Service Equipment	3	
FOS 2201	Food Service Sanitation and Safety	3	
ENC 1001	English Composition II		3
FSS 2221C	Quantity Food Preparation		4
MGF 1202	Finite Mathematics		4
FSS 2610	Food Merchandising		3
FSS 1940	Culinary Arts and Hospitality Management Practicum I		3
	Physical Fitness (PEL or PEM)	1	1
		<u>17</u>	<u>18</u>
SOPHOMORE			
MNA 2300	Personnel Relationships in Business	3	
HUN 1001	Nutrition	3	
FSS 2120	Food Purchasing and Storage	3	
FSS 1941	Culinary Arts and Hospitality Management Practicum II	3	
Elective	Biological Sciences (APB, OCE, BSC or ZOO)	3 (4)	
FSS 1500	Food Accounting and Cost Control		3
FSS 2300	Food Service Supervision and Management		3
FSS 1942	Culinary Arts and Hospitality Management Practicum III		4
POS 2041	American Federal Government		3
CGS 1061	Computer Literacy		3
		<u>15 (16)</u>	<u>16</u>



ASSOCIATE IN SCIENCE IN HUMAN SERVICES TECHNOLOGY

The purpose of this program is to prepare a human services technician who will serve as a paraprofessional in community agencies. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval from that institution.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT	
		Session I	Session II
FRESHMAN			
ENC 1101	English Composition I	3	
PSY 1012	Introduction to Psychology	3	
SYG 2000	Introduction to Sociology	3	
HUS 1001	Introduction to Human Services	3	
SLS 1211	Individual Discovery	3	
ENC 1102	English Composition II		3
HUS 1110	Basic Counseling Skills		3
DEP 2002	Child Psychology		3
POS 2041	American Federal Government		3
SYG 2010	Social Problems		3
	Physical Fitness (PEL or PEM)	<u>1</u>	<u>1</u>
		16	16
SOPHOMORE			
HUS 2531	Substance Abuse Counseling	3	
DEP 2302	Adolescent Psychology	3	
Elective	Area III (See Page 45)	3 (4)	
SYG 2940	Applied Sociology	3	
MNA 2300	Personnel Relationships in Business		3
DEP 2401	Psychology of Adulthood		3
HUS 2940	Field Experience In Human Services		3
HUS 2520	Current Issues in Mental Health		3
MTB 2370	Applied Mathematics for Allied Health		1
Electives		<u>3</u>	<u>3</u>
		15 (16)	16

Students are encouraged to select a computer course as an elective.

Students who desire the Associate in Arts Program should consult a counselor for the additional courses required for that degree.

Students who intend to transfer to a university should consult with a Campus Counselor for further information concerning the transfer options available.



ASSOCIATE IN SCIENCE IN MARKETING MANAGEMENT

This program provides learning opportunities for a student to acquire the necessary skills for a career in this multifaceted field. Career areas include marketing, merchandising, retailing, advertising, buying and many support areas such as management, communications and personnel management. Specific job areas include sales clerk, sales representative/manager, expediter, buyer, food marketing and fast food services. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT	
		Session I	Session II
FRESHMAN			
ENC 1101	English Composition I	3	
GEB 1011	Introduction to Business	3	
MAR 1011	Principles of Marketing	3	
MKA 1302	Marketing Practicum I	3	
ECO 2013	Principles of Economics I	3	
OMB 1001	Business Mathematics		3
MKA 2021	Salesmanship		3
Elective	Area IV (See Page 46)		3
MKA 1312	Marketing Practicum II		3
Elective	Area III (See Page 45)		3 (4)
	Physical Fitness (PCL or PEM)	1	1
		<u>16</u>	<u>16 (17)</u>
SOPHOMORE			
ACG 2001	Principles of Accounting I	3	
BUL 2111	Business Law I	3	
*MNA 2300	Personnel Relationships in Business	3	
MKA 2322	Marketing Practicum III	3	
POS 2041	American Federal Government	3	
ACG 2011	Principles of Accounting II		3
*MNA 1345	Principles of Supervision		3
MKA 1041	Principles of Retailing		3
MKA 2511	Principles of Advertising		3
Elective	Area V (See Page 46)		3 (4)
		<u>15</u>	<u>15 (16)</u>

*These (6) hours of credit may be granted for the successful completion of the National Management Association Program. (See Page 42 for further information.)



ASSOCIATE IN SCIENCE IN NURSING (R.N.) (Generic Track)

Application Deadline: July 1— A limited access program with documents required for admission listed in the application materials.

This program is designed to prepare individuals to provide direct nursing care to patients in hospitals and other comparable health agencies. Upon successful completion, the graduate receives an Associate in Science Degree in Nursing and is eligible to sit for the National Council Licensure Examination for Registered Nurses in accordance with the regulations set forth in the Nurse Practice Act, Chapter 464.008 and 464.018. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

*Prerequisites

PSY 1012	Introduction to Psychology	3
APB 1811	Human Anatomy & Physiology I	3
APB 1811L	Human Anatomy & Physiology I Laboratory	1
ENC 1101	English Composition I	<u>3</u>
		10

SEMESTER HOURS CREDIT

COURSE

DESCRIPTION

SEMESTER HOURS CREDIT

FRESHMAN

		Session I	Session II	Session III	Session IIIB
MTB 2370	Applied Mathematics for Allied Health	1			
ENC 1102	English Composition II				3
APB 1812	Human Anatomy & Physiology II	3			
APB 1812L	Human Anatomy & Physiology II Laboratory	1			
DEP 2004	Life-Span Development		3		
NUR 1020C	Fundamentals of Nursing	10			
NUR 1710C	Adult Nursing I		12		
NUR 1520C	Mental Health Nursing			5	
	Physical Fitness (PEL or PEM)			2	or 2
		<u>15</u>	<u>15</u>	<u>5</u> (7)	<u>3</u> (5)

SOPHOMORE

NUR 2460C	Maternal-Child Nursing	12			
**NUR 2711C	Adult Nursing II		12		
**NUR 2820	Nursing Role & Scope	2			
HSA 1194	Computers in Health Care			1	
		<u>14</u>	<u>13</u>		

General Education	24 Semester Hours
Nursing Education	<u>53 Semester Hours</u>
Total	77 Semester Hours

*These ten (10) hours of prerequisites must be completed before admission to the program and are included in the twenty-four (24) hours of General Education requirements.

**These courses may be taken in Session I of the sophomore year only with faculty approval.

Special Program Requirements

An academic average of "C" or better and a "Satisfactory" grade in the clinical portion must be earned in each nursing course in order to continue in the Nursing Program. Nursing courses may only be repeated on the recommendation of the nursing faculty, approval of the Admissions Committee for Special Programs, and if class space is available. (See Page 27, Academic Averages and Repeated Courses.)

Satisfactory completion of the 77 semester hours of approved credit with a grade of "C" or better in required science and nursing courses is necessary to graduate.

A minimum of fifteen (15) hours of credit in nursing must be completed in residence at P-HCC in the 2000-level courses.

ASSOCIATE IN SCIENCE IN NURSING (R.N.) Licensed Practical Nurse Track – (Limited Access)

Application Deadline: End of Session II – A limited access program with documents required for admission listed in the application materials.

This program track is designed to allow an entry point into the Associate Degree in Nursing Program for the Licensed Practical Nurse. Entry into this program is limited to 12 students plus the number of spaces available in the freshman class during Session III. Upon successful completion of this program, the graduate receives an Associate in Science Degree in Nursing and is eligible to sit for the National Council Licensure Examination for Registered Nurses in accordance with the regulations set forth in the Nurse Practice Act, Chapter 464.018. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

Upon acceptance into this program, students will receive 22 advanced semester hours credit, based on practical nursing education.

*Prerequisites

SEMESTER HOURS CREDIT

PSY 1012	Introduction to Psychology	3
ENC 1101	English Composition I	3
DEP 2004	Life-Span Development	3
APB 1811	Human Anatomy & Physiology I	3
APB 1811L	Human Anatomy & Physiology I Laboratory	1
APB 1812	Human Anatomy & Physiology II	3
APB 1812L	Human Anatomy & Physiology II Laboratory	1
MTB 2370	Applied Mathematics for Allied Health	1
		<u>18</u>

COURSE

DESCRIPTION

SEMESTER HOURS CREDIT

FRESHMAN

+ Session IIIA Session IIIB Session I Session II

ENC 1102	English Composition II			3	
NUR 1201C	Adult Nursing I/LPN Track	5			
	Physical Fitness (PEL or PEM)	<u>2</u>	or	<u>2</u>	
		5 (7)		3 (5)	

SOPHOMORE

NUR 1520C	Mental Health Nursing				5
NUR 2412C	Maternal-Child Nursing/LPN				7
NUR 2711C	Adult Nursing II			12	
NUR 2820	Nurse Role & Scope			2	
HSA 1194	Computers in Health Care				1
				<u>14</u>	<u>13</u>

General Education	24 Semester Hours
Nursing Education	<u>53</u> Semester Hours
Total	77 Semester Hours

*These eighteen (18) hours of prerequisites must be completed before admission to the program and are included in the twenty-four (24) hours of General Education requirements.

+ This Program Track begins with Session IIIA.

Special Program Requirements

An academic average of "C" or better and a "Satisfactory" grade in the clinical portion must be earned in each nursing course in order to continue in the Nursing Program. Nursing courses may be repeated only on the recommendation of the nursing faculty, approval by the Admissions Committee for Special Programs, and if space is available. Satisfactory completion of the 77 semester hours of approved credit with a grade of "C" or better in required science and nursing courses is necessary for graduation. A minimum of fifteen (15) hours of credit in nursing in the 2000-level courses must be completed in residence at P-HCC.

ASSOCIATE IN SCIENCE IN NURSING (R.N.) Paramedic Track

Application Deadline: End of Session I – A limited access program with documents required for admission listed in the application materials.

This program track is designed to allow an entry point into the Associate Degree in Nursing Program for the licensed paramedic. Upon successful completion of this program, the graduate receives an Associate in Science Degree in Nursing and is eligible to sit for the National Council Licensure Examination for Registered Nurses in accordance with the regulations set forth in the Nurse Practice Act, Chapter 484.008 and 484.018. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

Upon acceptance into this program, students will receive 10 advanced semester hours credit, based on paramedic education

*Prerequisites

SEMESTER HOURS CREDIT

PSY 1012	Introduction to Psychology	3
ENC 1101	English Composition I	3
APB 1811	Human Anatomy & Physiology I	3
APB 1811L	Human Anatomy & Physiology I Laboratory	1
APB 1812	Human Anatomy & Physiology II	3
APB 1812L	Human Anatomy & Physiology II Laboratory	1
MTB 2370	Applied Mathematics for Allied Health	1
		<u>15</u>

COURSE

DESCRIPTION

SEMESTER HOURS CREDIT

FRESHMAN

+ Session II Session IIIA Session IIIB Session I Session II

ENC 1102	English Composition II			3	
DEP 2004	Life-Span Development	3			
NUR 1990C	Nursing Concepts & Skills	5			
NUR 1991C	Adult Nursing I/Paramedic	7			
NUR 1992C	Adult Nursing II/Paramedic		5		
	Physical Fitness (PEL or PEM)			2	
		<u>15</u>	<u>5</u>	<u>5</u>	

SOPHOMORE

NUR 1520C	Mental Health Nursing			5	
NUR 2992C	Maternal-Child Nursing/Paramedic			7	
**NUR 2991C	Adult Nursing III/Paramedic				12
**NUR 2820	Nurse Role & Scope				2
HSA 1194	Computers in Health Care			1	
				<u>13</u>	<u>14</u>

General Education	24 Semester Hours
Nursing Education	53 Semester Hours
Total	77 Semester Hours

*These fifteen (15) hours of prerequisites must be completed before admission to the program and are included in the twenty-four (24) hours of General Education requirements.

**These courses may be taken in Session I of the sophomore year only with faculty approval.

+ The starting date for this program may vary from year to year.

Special Program Requirements

An academic average of "C" or better and a grade of "Satisfactory/Sale" in the clinical portion must be earned in each nursing course in order to continue in the Nursing Program. Nursing courses may only be repeated on the recommendation of the nursing faculty, approval of the Admissions Committee for Special Programs, and if class space is available. Satisfactory completion of the 77 semester hours of approved credit with a grade of "C" or better in required science and nursing courses is necessary for graduation.

A minimum of fifteen (15) hours of credit in nursing must be completed in residence at P-HCC in the 2000-level courses.

ASSOCIATE IN SCIENCE IN OFFICE SYSTEMS TECHNOLOGY

This program is designed to prepare a person for employment as an office systems manager, administrative secretary, executive office administrator or to provide supplemental training for a person previously or currently employed in these occupations.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT	
		Session I	Session II
FRESHMAN			
ENC 1101	English Composition I	3	
*OST 1100	Beginning Typewriting	3	
*OST 1211	Speedwriting Shorthand I	3	
OMB 1001	Business Mathematics	3	
GEB 1011	Introduction to Business	3	
OST 1743	Electronic Writing	1	
Elective	Area IV (See Page 46)		3
CGS 1061	Computer Literacy		3
*OST 1110	Intermediate Typewriting		3
*OST 1212	Speedwriting Shorthand II		3
OST 1721	Word Processing Applications I		3
	Physical Fitness (PEL or PEM)		1
		16	16
SOPHOMORE			
ACG 2001	Principles of Accounting I	3	
OST 2401	Office Technology	3	
OST 2321	Electronic Office Machines	3	
OST 2335	Business Communications	3	
Elective	Area V (See Page 46)	3 (4)	
OST 1801	Desktop Publishing		1
OST 2130	Electronic Speedbuilding		1
OST 2601	Electronic Machine Transcription		3
MNA 2300	Personnel Relations in Business		3
POS 2041	American Federal Government		3
Elective	Area III (See Page 45)		3 (4)
	Physical Fitness (PEL or PEM)		1
		15 (16)	15 (16)

*Typewriting and Shorthand courses may be waived by satisfactorily completing the next level course. The hours waived must be substituted with elective hours from the Approved Business Electives for the program.

ASSOCIATE IN SCIENCE IN OFFICE SYSTEMS TECHNOLOGY — WORD-INFORMATION PROCESSING OPTION

This program is designed to prepare a person for employment as a senior word processing specialist, director of information support systems, or to provide supplemental training for a person previously or currently employed in these occupations. Students selecting this option take OST 1722 Word Processing Applications II and an approved Business elective (page 63) and omit OST 1211 and OST 1212 Speedwriting Shorthand I and II.

CERTIFICATE PROGRAM – OFFICE SYSTEMS SPECIALIST

This program is designed to prepare a person for employment as an office specialist, office management trainee, correspondence specialist, or to provide supplemental training for a person previously or currently employed in these occupations

High school transcript or GED scores and transcripts from all colleges and universities previously attended are required for admission.

COURSE	DESCRIPTION	SEMESTER HOURS CREDIT
<i>Session I</i>		
MNA OST 1100 ✓	Beginning Typewriting	3
MNA GEB 1011 ✓	Introduction to Business	3
MNA QMB 1001 ✓	Business Mathematics	3
MNA CGS 1061 ✓	Computer Literacy	3
<i>Session II</i>		
MNA OST 1110 ✓	Intermediate Typewriting	3
MNA OST 2401 ✓	Office Technology	3
MNA OST 2601 ✓	Electronic Machine Transcription	3
MNA OST 2335 ✓	Business Communications	3
<i>Session III</i>		
MNA OST 2321 ✓	Electronic Office Machines	3
MNA MNA 2300 ✓	Personnel Relations in Business	3
		<u>30</u>

*Typewriting courses may be waived by satisfactorily completing the next level course. The hours waived must be substituted with elective hours from the Approved Business Electives below

CERTIFICATE PROGRAM – OFFICE SYSTEMS SPECIALIST – WORD-INFORMATION SYSTEMS OPTION

This program is designed to prepare a person for employment as a document specialist, information processing manager, electronic workstation specialist, or to provide supplemental training for a person previously or currently employed in these occupations. Students selecting this option take OST 1721 and OST 1722-Word Processing Applications I & II and omit GEB 1011-Introduction to Business and OST 2601-Electronic Machine Transcription.

High school transcript or GED scores and transcripts from all colleges and universities previously attended are required for admission.

Approved Business Electives:

ACG 2011	Principles of Accounting II	MAR 1011	Principles of Marketing
BUL 2111	Business Law I	MAN 1800	Small Business Management
BUL 2112	Business Law II	MKA 1041	Principles of Retailing
CGS 1000	Introduction to Data Processing	MKA 2021	Salesmanship
CGS 1570	Microcomputer Applications	MKA 2511	Principles of Advertising
ECO 2013	Principles of Economics I	MNA 1345	Principles of Supervision
ECO 2023	Principles of Economics II	-OST 1722	Word Processing - Applications II
FIN 1100	Personal Finance	OST 2741	Word Processing - Text Editor

VOCATIONAL CREDIT PROGRAMS

A Vocational Certificate will be awarded upon completion of any Vocational Credit Program. Vocational Credit Programs are competency-based.

Courses in these Programs are not planned as part of a four-year collegiate program. Vocational Credit Programs are designed to prepare the student for an entry-level job or to supplement the education and training of the employed worker who desires increased competency in a chosen occupational field. (See Course Descriptions for instructional hours.)

The Vocational Credit Programs offered at Pasco-Hernando Community College are:

Cosmetology	Heavy Duty Truck & Bus Mechanics	Licensed Practical Nursing
Dental Assisting	Landscape Operations	Welding
Electronic Technology		

VOCATIONAL CREDIT PROGRAMS LEADING TO THE ASSOCIATE IN SCIENCE IN BUSINESS ADMINISTRATION (VOCATIONAL TRACK)

This program provides a career ladder option to the Vocational Credit Certificate (or equivalent) student.

Admission Criteria and Procedures:

The applicant will submit an official transcript or the Vocational Credit Certificate from an accredited postsecondary school or college to the Registrar's Office certifying completion of a one year Vocational Program of Study. A high school transcript or GED scores and transcripts from all colleges and universities previously attended must be submitted also.

The Registrar will list the specific courses or program title for which a maximum thirty (30) semester credit hours are recorded in the same manner as Credit by Examination provided.

1. All Degree admission criteria are met by the applicant.
2. Certification of Vocational Credit Certificate program competencies is received from the appropriate instructional program of the College.

Requirement for Associate in Science in Business Administration (Vocational Track)

Vocational Credit Certificate		30 Credits
General Core Courses (See Pages 45 and 46)	Area I & Area IV	6 Credits
(See Page 45)	Area III	3 Credits
(See Page 46)	Area V	3 Credits
POS 2041	American Federal Government	3 Credits
(See Page 46)	Physical Fitness	2 Credits
Business Management Courses		
MNA 2300	Personnel Relationships in Business	3 Credits
OMB 1001	Business Mathematics	3 Credits
OST 2335	Business Communications	3 Credits
MAR 1011	Principles of Marketing	3 Credits
CGS 1000	Introduction to Data Processing	3 Credits
		<hr/>
		62 Credits



VOCATIONAL CREDIT PROGRAM – COSMETOLOGY

This program is designed to prepare persons for initial employment in the field of cosmetology, under such a primary job title as cosmetologist. This program requires one year or three sessions for completion. Upon successful completion, the graduate receives a Certificate in Cosmetology and is eligible to sit for the Florida Board of Cosmetology Examination Licensure as a Cosmetologist. A cumulative grade-point average of not less than 2.0 or "C" must be achieved. Employability skills are included. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

No transcripts are required for admission if the student is 19 or older.

COURSE	DESCRIPTION	VOCATIONAL CREDITS
	<i>Session I</i>	
* + COS 0131	Cosmetology I	13
	<i>Session II</i>	
+ COS 0132	Cosmetology II	13
	<i>Session III</i>	
+ COS 0133	Cosmetology III	13
		39

*A student transferring from an accredited Cosmetology Training Program who has successfully completed a minimum of 405 hours of instruction may receive credit for COS 0131, Cosmetology I. A student must be enrolled in the Cosmetology Program at P-HCC for at least one full cosmetology session to be eligible to receive a Certificate.

+COS 0183 and COS 0184 (See Course Descriptions, Page 80) may be substituted for COS 0131 or COS 0132 or COS 0133.

VOCATIONAL CREDIT PROGRAM – DENTAL ASSISTING

Application Deadline: July 15th – A limited access program with documents required for admission listed in the application materials.

This program is designed to prepare students for employment as dental assistants and dental auxiliaries. The program meets the requirements of the American Dental Association and the standards of the Florida Board of Dentistry. Graduates of the program are eligible for employment as Dental Assistants with expanded functions in radiography.

COURSE	DESCRIPTION	VOCATIONAL HOURS CREDIT		
		Session I*	Session II*	Session III**
DEA 0700A	Dental Assisting I	16		
DEA 0700B	Dental Assisting II		16	
DEA 0700L	Dental Assisting III			$\frac{8}{8}$
		16	16	$\frac{8}{8}$
	Dental Assisting Education 40 vocational credit hours			
		*16 Weeks		**8 Weeks

Special Program Requirements: An academic grade of "C" or better in the theory component of the course AND a grade of "Satisfactory/Sale" in the lab/clinical component of each Dental Assisting course is required in order to continue in the program. Courses may be repeated only upon the recommendation of faculty, approval of the Admissions Committee for Special Programs, and if class space is available.

VOCATIONAL CREDIT PROGRAM – ELECTRONIC TECHNOLOGY

This program is designed to prepare students for employment as entry-level electronic technicians. In addition, it will provide supplemental training for persons previously or currently employed as electronic technicians.

Individuals successfully completing this program may take transition courses to receive credit for certain Associate In Electronic Engineering Technology courses.

No transcripts are required for admission if the student is 19 or older.

COURSE	DESCRIPTION	VOCATIONAL HOURS CREDIT		
		Session I	Session II	Session III
EEV 0811	DC. Circuits	5		
MTB 0327	Math for Electronics	2		
EEV 0821	Laboratory Techniques	5		
		<u>12</u>		
EEV 0812	A.C. Circuits		5	
EEV 0829	Employment Skills & Entrepreneurship		1	
EEV 0818	Instrumentation		2	
EEV 0815	Digital Fundamentals		5	
			<u>13</u>	
EEV 0813	Solid-State Devices			5
EEV 0814	Analog Circuits			5
EEV 0816	Microprocessor Fundamentals			5
				<u>15</u>

Transition Courses

Electronic Analysis I
Electronic Analysis II

VOCATIONAL CREDIT PROGRAM – HEAVY DUTY TRUCK & BUS MECHANICS

The purpose of this program is to prepare students for employment as truck and bus mechanics. A cumulative grade-point average of not less than 2.0 or "C" must be achieved. Employability skills are included. Students wishing to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

No transcripts are required for admission if the student is 19 or older.

COURSE	DESCRIPTION	VOCATIONAL CREDITS
<i>Session I</i>		
• DIM 0801	Heavy Duty Bus & Truck Mechanics I	6
• DIM 0802	Heavy Duty Bus & Truck Mechanics II	6
<i>Session II</i>		
• DIM 0803	Heavy Duty Bus & Truck Mechanics III	6
• DIM 0804	Heavy Duty Bus & Truck Mechanics IV	6
<i>Session III</i>		
DIM 0805	Heavy Duty Bus & Truck Mechanics V	7
		<u>31</u>

VOCATIONAL CREDIT PROGRAM — LANDSCAPE OPERATIONS

This specialized program is designed to enable persons to acquire skills and knowledge necessary for initial employment in the ornamental horticulture/landscape operations industry. Skill job titles include: nursery worker, nursery plant salesperson/buyer, landscaper, greenhouse operator, landscape maintainer, and groundskeeper. Garden and yard care are also covered. This program is open-entry. A cumulative grade-point average of not less than 2.0 or "C" must be achieved. Employability skills are included. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

No transcripts are required for admission if the student is 19 or older.

COURSE	DESCRIPTION	VOCATIONAL CREDITS	
<i>Session I</i>			
ORH 0000	Introduction to Ornamental Horticulture	3	
ORH 0510	Identification of Ornamental Plants	3	
AGG 0473	Introduction to Plant Growing Media	3	
ORH 0021	Ornamental Plant Propagation	3	
<i>Session II</i>			
ORH 0251	Nursery Garden Center Operation	2	
ORH 0273	Specialty Nursery Operations	2	
ORH 0260	Greenhouse Operations	2	
ORH 0800	Landscaping and Design	3	
<i>Session III</i>			
ORH 0806	Landscape Installation and Maintenance	3	
I P M 0631	Ornamental Plant Pest Control	3	
ORH 0252	Nursery Design and Operation	2	
ORH 0220	Introduction to Lawns and Lawn Care	3	
		32	

VOCATIONAL CREDIT PROGRAM — PRACTICAL NURSING

Application Deadline: July 1—A limited access program with documents required for admission listed in the application materials.

This program is designed to prepare individuals to provide nursing care to clients in hospitals and other comparable health agencies. The program is approved by the Florida State Board of Nursing. Satisfactory completion of the comprehensive courses in Nursing theory and clinical practice in hospital and other health care facilities means graduate eligibility for the National Council Licensure Examination for Practical Nurses in accordance with regulations set forth in the Nurse Practice Act, Chapter 464.008 and 464.108.

COURSE	DESCRIPTION	VOCATIONAL CREDIT HOURS		
		Session I**	Session II***	Session III****
PRN 0601	Practical Nursing I	16		
PRN 0630	Practical Nursing II		16	
PRN 0631	Practical Nursing III			10
		16	16	10

** 16 weeks

*** 16 weeks

**** 9 weeks (or as scheduled)

Special Program Requirements

An academic average of "C" or better and a satisfactory grade in the clinical portion must be earned in each Practical Nursing Course in order to continue in the program. Nursing courses may be repeated only on the recommendation of the nursing faculty, approval of the Admissions Committee for Special Programs, and if class space is available.

Completion of College Preparatory courses may be required for students scoring below the state minimums on college entry testing (TABE).

VOCATIONAL CREDIT PROGRAM IN WELDING

This specialized program is designed to enable persons to acquire skills and knowledge necessary for initial employment as a welder. Emphasis is placed on care and safe use of welding equipment, tools, and materials. Employability skills are included. This program is open-entry. A cumulative grade-point average of not less than 2.0 or "C" must be achieved. Students who wish to transfer any credits from this program to another institution must accept the responsibility for securing approval in advance from that institution.

No transcripts are required for admission if the student is 19 or older.

COURSE	DESCRIPTION	VOCATIONAL CREDITS
<i>Session I</i>		
PMT 0121 ✓	Shielded Metal Arc Welding	3
PMT 0135 ✓	Advanced Shielded Metal Arc Welding	3
PMT 0106 ✓	Introduction and Oxy-Acetylene Welding	3
PMT 0112 ✓	Advanced Specialty Oxy-Acetylene Welding	3
<i>Session II</i>		
PMT 0158 ✓	Specialty Shielded Metal Arc Welding	3
PMT 0164 ✓	Fabrication of Metal Products Using S.M.A.W.	3
PMT 0134 ✓	MIG Welding	2
PMT 0122 ✓	S.M.A.W. High Technology Skills	
<i>Session III</i>		
PMT 0131 ✓	TIG Welding	2
PMT 0138 ✓	Advanced MIG/TIG Welding	2
PMT 0175 ✓	Fabrication of Metal Products Using MIG/TIG	2
		<u>29</u>

VOCATIONAL CERTIFICATE PROGRAMS

Vocational Certificate Programs are designed to provide entry-level occupational skills or to assist in the fulfillment of licensure requirements in certain occupations. These programs vary in length and may begin and end at times that are not specified in the College Calendar. Students should contact the Student Services Office at the nearest campus to determine the dates of the next program and for any entry requirements, e.g., the TABE Basic Skills Test. Not all programs are offered on all campuses.

No transcripts are required for admission to these programs if the student is 19 or older.

CJD 0901 Bail Bonding

3 voc. cr.

The purpose of this program is to prepare students for employment as surety or bonding agents. The program prepares students for certification as bail bonding agents. A certification of completion of the prescribed program must be sent to the Bureau of Licensing, Department of Insurance, Larson Building, Tallahassee, Florida 32301, in order for the students to take the Florida Bail Bondsman examination. 90 clock hours.

ACO 0001 Bookkeeping

20 voc. cr.

The purpose of this program is to prepare students for employment as bookkeepers and posting clerks. Lab fee required (see page 17). 600 clock hours.

HEV 0110 Child Care Supervision

16 voc. cr.

The purpose of this program is to prepare students as Family Day Care Home Operators. Successful completers of this program will meet the Health and Rehabilitative Services (HRS) child care training requirements and will achieve a CPR certificate. Professional liability insurance fee required (see page 17). 480 clock hours.

CGS 0991 Computer Operations

15 voc. cr.

This program is designed to enable students to acquire skills and knowledge necessary for employment as a small business computer operator. The course emphasizes word processing and spreadsheet software applications as well as computer operating system functions. Lab fee required (see page 17). 450 clock hours.

CJD 0003 Correctional Officer

15 voc. cr.

The purpose of this program is to prepare students for employment as correctional officers or jailers. The program prepares students for certification as a correctional officer in accordance with Florida Statutes. Lab fee required (see page 17). 450 clock hours.

CPT 0994 Electrocardiograph Technology

20 voc. cr.

The purpose of this program is to prepare students for employment as electrocardiograph (EKG) technicians. This course includes: medical terminology; CPR; overview of human anatomy/physiology, with emphasis on cardiovascular systems; EKG interpretations; and monitoring skills. Lab fee and professional liability insurance fee required (see page 17). 600 clock hours.

FFP 0005 Firefighting

10 voc. cr.

The purpose of this program is to prepare students for employment as firefighters. The program prepares students for certification as a firefighter in accordance with Florida Statutes. Lab fee required (see page 17). 300 clock hours.

ORV 0150 Floral Design and Marketing

7 voc. cr.

This program is designed to develop the fundamental competencies necessary for employment in the floral design and marketing industry. Topics include: introduction to the floral industry, human relations skills that are vital to the field, communication, and employability skills. 210 clock hours.

OFT 0011 General Office Clerk

12 voc. cr.

This program is designed to enable students to acquire skills and knowledge necessary for initial employment as an office clerk. Laboratory activities are an integral part of this program and will include use of typewriters, calculators, and dictation/transcription equipment. Lab fee required (see page 17). 360 clock hours.

WCL 0997 Health Unit Coordinator

15 voc. cr.

This program is designed to prepare students for employment as health unit coordinators. Some of the skills included in the program are interpreting medical terminology; performing clerical duties; reading, interpreting, and transcribing physicians' orders; legal and ethical responsibilities; and performing supervised clinical duties. Professional liability insurance fee required (see page 17). 450 clock hours.

RMI 0091 Insurance Marketing/General Lines Insurance Agent

8 voc. cr.

The purpose of this program is to prepare students for employment as General Lines Agents in the area of property and casualty insurance. 340 clock hours.

CJD 0100 Law Enforcement Auxiliary Officer

4 voc. cr.

This program is designed to prepare students for employment as law enforcement auxiliary officers. Successful completion of the program is required by Chapter 943 of the Florida Statutes for certification as an auxiliary officer. 120 clock hours.

CJD 0000 Law Enforcement/Basic Recruit

19 voc. cr.

The basic recruit course is established for the purpose of providing job related training at the entry level to candidates for full-time or part-time law enforcement positions. The curriculum is prescribed by the Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission in accordance with Florida Statutes. Lab fee required (see page 17). 570 clock hours.

OFT 0505 Medical Office Assistant

15 voc. cr.

The purpose of this program is to prepare students for employment as office clerks in medical facilities or as medical office assistants. This course will include instruction in general office skills and medical record skills. There is also a clinical component. Professional liability insurance fee required (see page 17). 450 clock hours.

MTS 0990 Medical Records Transcribing

14 voc. cr.

This program is designed to prepare students for employment as health records technicians or medical records specialists. It prepares the graduate to take the national exam to practice as a Certified Medical Records Transcriptionist. Professional liability insurance fee required (see page 17). 420 clock hours.

HCP 0100 Nursing Assisting/Geriatric and Rehabilitative Aide

7 voc. cr.

This program is designed to prepare students for employment as nursing assistants/nurse aides in nursing homes. Successful completion of the program prepares the student for certification for employment as a Nursing Assistant in a nursing home in accordance with Florida Statutes. Professional liability insurance required (see page 17). 210 clock hours.

HCP 0600 Patient Care Assistant

12 voc. cr.

This program is designed to fulfill the clinical and instructional components of an approved Nursing Assistant Program. Students who successfully complete this program are eligible to write the Florida Nursing Assistant Examination. Lab fee and professional liability insurance fee required (see page 17). 360 clock hours.

MLS 0042 Phlebotomy Technician

5 voc. cr.

The purpose of this program is to prepare students for employment as blood bank or plasma center donor screeners or as phlebotomists. Professional liability insurance fee required (see page 17). 180 clock hours.

HFT 0150 Travel Agency Operations/Travel Agent

6 voc. cr.

The purpose of this program is to prepare students for employment as travel agents. 180 clock hours.

FFP 0081 Volunteer Fire Fighting

2 voc. cr.

The purpose of this program is to prepare students for non-paid employment as volunteer firefighters. This course meets the requirements of the State Fire Marshal Standards and Training Commission. 60 clock hours.

EVS 0229 Wastewater Plant Operation Level "C"

4 voc. cr.

This program is designed to prepare students for initial employment as sewage plant operators. Students who complete the program successfully are eligible for certification as Level "C" Wastewater Treatment Plant Operators. 120 clock hours.

EVS 0249 Water Treatment Plant Operation Level "C"

4 voc. cr.

This program is designed to prepare students for employment as water treatment plant operators. Students who complete the program successfully are eligible for certification as Level "C" Water Treatment Plant Operators. 120 clock hours.

COURSE DESCRIPTIONS

Required core courses in the Associate In Arts Degree and the Associate in Science Degree Programs are fully transferable to a senior Florida public institution. All other catalog courses, except those below the 1000 or 2000 levels, are credited for purposes of graduation from Pasco-Hernando Community College, but may not be accepted by the institution to which a student transfers. A counselor will assist in providing information on courses normally accepted for transfer to a bachelor's degree program at a specific university or four-year college.

College-preparatory courses are not creditable as part of the basic 62-hour requirement for Degrees. Vocational Certificate courses are not creditable toward the AA Degree.

Students may register for any course for which they have the necessary background. A student who feels that he or she has sufficient training or experience to warrant an exception to a prerequisite should consult a P-HCC counselor.

Students should not expect that all courses will be offered at each campus or in any given session. To determine when and where courses are to be offered, see a Pasco-Hernando Community College counselor.

Florida's Statewide Course Numbering System

The course numbers appearing in the catalog are part of a statewide system of prefixes and numbers developed for use by all public postsecondary and participating private institutions in Florida. One of the major purposes of this system is to make transferring easier by identifying courses which are equivalent, no matter where they are taught in the state. All courses designated as equivalent will carry the same prefix and last three digits.

The classifying and numbering of courses was done by community college and university faculty members in each academic discipline. Their work was reviewed by faculty members in all of Florida's postsecondary institutions who made suggestions and criticisms to be incorporated into the system.

The course numbering system is, by law, descriptive and not prescriptive. It in no way limits or controls what courses may be offered or how they are taught. It does not affect course titles or descriptions at individual schools. It seeks only to describe what is being offered in postsecondary education in Florida in a manner that is intelligible and useful to students, faculty, and other interested users of the system.

The course numbering system was developed so that equivalent courses would be accepted for transfer without misunderstanding. Each public institution is to accept for transfer credit any course which carries the same prefix and last three digits as a course at the receiving institution. For example, if a student has taken SYG-000 at a community college, he/she cannot be required to repeat SYG-000 at the school to which he transfers. Further, credit for any course or its equivalent, as judged by the appropriate faculty task force and published in the course numbering system, which can be used by a native student to satisfy degree requirements at a state university can also be used for that purpose by a transfer student regardless of where the credit was earned.

It should be noted that a receiving institution is not precluded from using non-equivalent courses for satisfying certain requirements.

General Rule for Course Equivalencies

All undergraduate courses bearing the same alpha prefix and last three numbers (and alpha suffix, if present) have been agreed upon to be equivalent. For example, an introductory course in sociology is offered in over 40 postsecondary institutions in Florida. Since these courses are considered to be equivalent, each one will carry the designator SYG-000.

First Digit

The first digit of the course number is assigned by the institution, generally to indicate the year it is offered—i.e., 1 indicates freshman year, 2 indicates sophomore year. In the sociology example mentioned above, one school which offers the course in the freshman year will number it SYG-1000; a school offering the same course in the sophomore year will number it SYG-2000. The variance in first numbers does not affect the equivalency. If the prefix and last three digits are the same, the courses are substantially equivalent.

Titles

Each institution will retain its own title for each of its courses. The Sociology courses mentioned above are titled at different schools "Introductory Sociology," "General Sociology," and "Principles of Sociology." The title does not affect the equivalency. The courses will carry the same prefix and last three digits, and that is what identifies them as equivalent.

Lab Indicators

Some courses will carry an alpha suffix indicating a lab. The alpha suffixes "L" and "C" are used as follows to indicate laboratories:

"L" means either (a) a course, the content of which is entirely laboratory or (b) the laboratory component of a lecture-lab sequence in which the lab is offered at a different time/place from the lecture.

"C" means a combined lecture-lab course in which the lab is offered in conjunction with the lecture at the same time/place.

Examples: Marine Biology

OCB__013 (lecture only)

OCB__013L (lab only)

Marine Biology with Lab

OCB__013C (lecture and lab combined)

Therefore,

OCB__013C is equivalent to

OCB__013 plus OCB__013L.

Equivalency of Sequences

In certain cases, sequences of courses in a given discipline are equivalent rather than the individual courses which make up these sequences. (For example, MAC__132,__133,__134). In these cases the subject matter topics may not be taught in the same sequence, course by course, in several institutions; however, upon completion of the full sequence at any of the several institutions, students have completed substan-

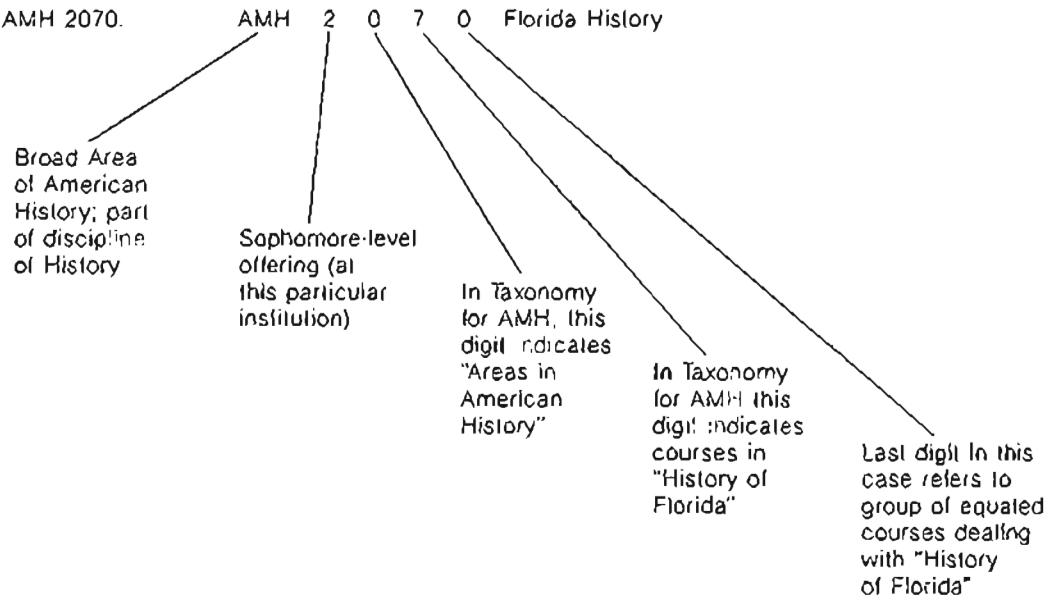
tively equivalent content. These sequences are clearly identified in the Course Equivalency Profiles.

Explanation of Prefixes and Numbers

Prefixes and numbers in the course numbering system are not chosen at random; they are designed to describe course content in an organized fashion within a classification system developed for each subject matter area.

Generally, each of the major classifications in a discipline is

A more specific example is AMH 2070.



(Local titles are used for each particular course. The last three numbers are used to indicate equivalency.)

The number of prefixes is a function of the extent of the subclassifications of the given subject matter area.

When this work began, there were 920 alpha prefixes in existence; with the new system there are now 370. As in most states, there existed no uniformity in Florida's prefixes as indicated by the example below:

Discipline	Before	After
History	20	7
Sociology	24	3
Philosophy	23	4
Religion	17	1
Mathematics	50	10
English	39	6
Nutrition	38	4

represented by a three-alpha prefix. In some cases, one three-alpha prefix has been sufficient for the entire discipline. A discipline may use as many prefixes as necessary to accommodate its major classifications. The logic of the system allows it to be infinitely expandable with minimal disruption to existing numbers.

History, for example, has seven prefixes: AFH, African History; AMH, American History; ASH, Asian History; EUH, European History; HIS, History-General; LAH, Latin American History; and WOH, World History. All history courses in the state will carry one of these prefixes.

Although it is true that a student majoring at one of the participating institutions may have had only one alpha prefix for his/her major (e.g., HY-History) and now he/she will have seven, all prefixes in the same subject matter areas will be the same throughout these institutions.

A complete inventory of taxonomic listings, equivalent and unique courses has been made available to each academic department of every institution in the state. Students, through their local advisers, should use this information in designing programs which will transfer smoothly.

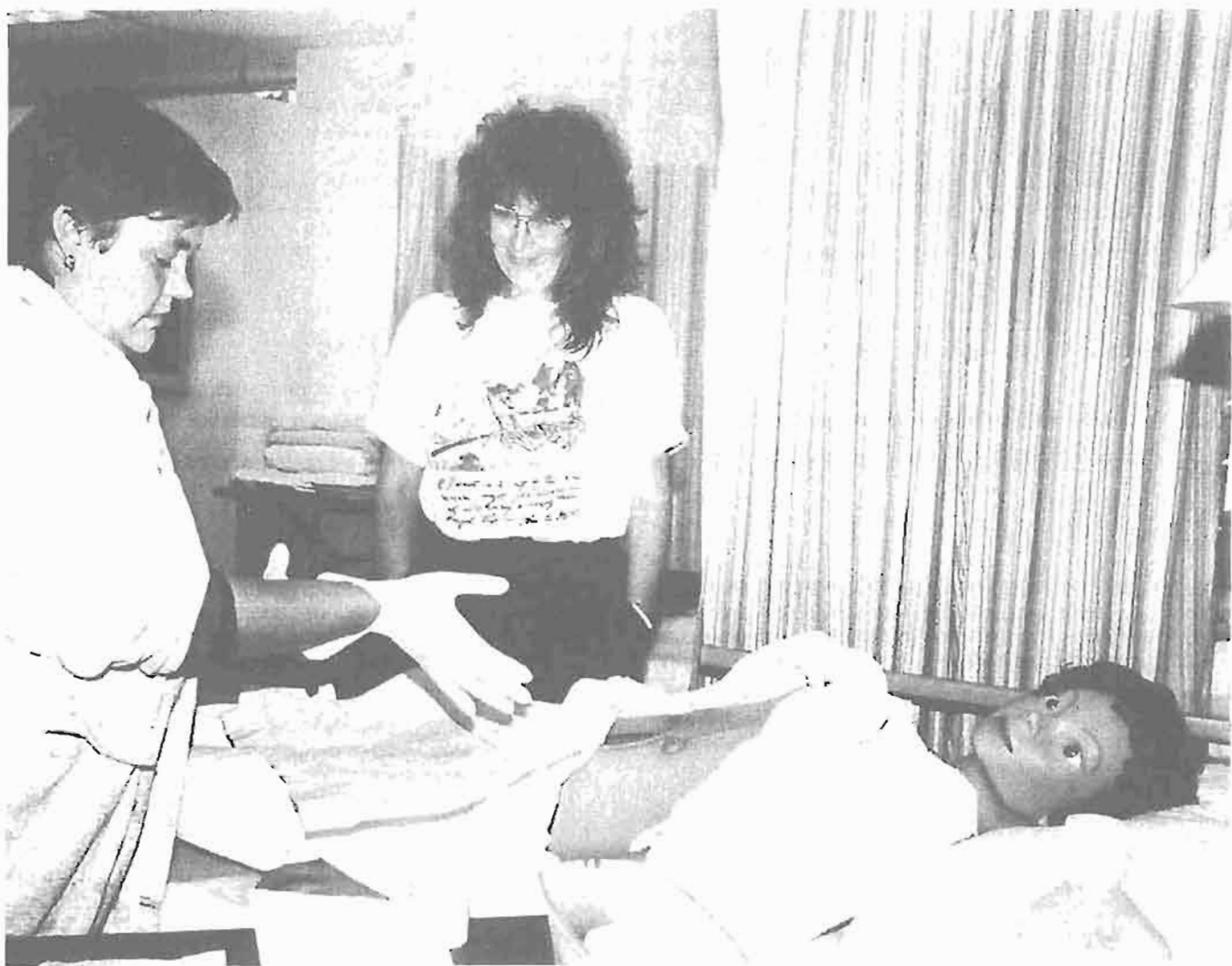
Exceptions to the Rule for Equivalencies

The following are exceptions to the general rule for course equivalencies:

- A. All graduate level courses (except those which the faculty and their reviewing colleagues have determined to be substantially equivalent with undergraduate courses) are not automatically transferable.
- B. All numbers which have a second digit of 9 (e.g., ART 2905) are "place keeper" numbers for each course as directed independent study, thesis hours, etc. Courses with ____900 numbers must be evaluated individually and are not automatically transferable.
- C. All internships, practicums, clinical experiences and study abroad courses, whatever numbers they carry, are not automatically transferable.
- D. Performance or studio courses in Art, Dance, Theatre, and Music are not automatically transferable but must be evaluated individually.

Authority for Acceptance of Equivalent Courses

The following amendment to Section 6A-10.24(7) of the Articulation Agreement was approved by the Community Colleges Council on Instructional Affairs, the Presidents' Council, the Division of Community Colleges, the State University System Council of Vice Presidents for Academic Affairs, the Council of Presidents and the Board of Regents. It was adopted by the State Board of Education in 1978: "... Students who earn credit in a course determined by the appropriate faculty task force to be equivalent and which is published in the statewide course numbering system, and who later transfer to another institution within the system can transfer and use the credit in that course at the receiving institution for the same purpose as that course can be used by native students who complete the course at the receiving institution."



COURSES

Anthropology

ANT 2410 Introduction to Cultural Anthropology 3 cr.
A study of the nature of culture, personality, and social organization of humans. Emphasis is placed on the customs of preliterate people. 48 class hours.

ANT 2511 Introduction to Physical Anthropology 3 cr.
The study of humans as a biological unit in the animal kingdom. The human fossil record, living primates, the criteria of race and races of humans, principles of biological evolution, and human genetics are topics of emphasis. 48 class hours.

Art

ARH 1000 Art Appreciation 3 cr.
A course designed to supply the non-art major with a foundation for understanding the visual arts through introduction to different media of art expression. 48 class hours.

ART 1300C Drawing I 3 cr.
Introduction to the basic discipline of drawing through the use of still life, landscape, and the figure. Lab fee required (see page 17). 32 lecture hours and 32 laboratory hours.

ART 1301C Drawing II 3 cr.
Prerequisite: ART 1300C or consent of instructor. A continuation of ART 1300C. Lab fee required (see page 17). 32 lecture hours and 32 laboratory hours.

ART 2510 Painting I 3 cr.
Prerequisite: ART 1300C or demonstrate proficiency to instructor. Studio problems in painting involving contemporary styles, techniques, and materials of painting. Lab fee required (see page 17). 32 lecture hours and 32 laboratory hours.

ART 2520 Painting II 3 cr.
Prerequisite: ART 2510. A continuation of Painting I on an advanced level of proficiency. Emphasis is placed on individual experimentation. Lab fee required (see page 17). 32 lecture hours and 32 laboratory hours.

PGY 1101C Photography I 3 cr.
A course designed to give the student an introduction to the camera, its mechanics, and use, with initial instruction to be given on the photographic process, lighting scenes, exposure, development, and printing of photographs. Lab fee required (see page 17). 32 lecture hours, 32 laboratory hours.

PGY 1102C Photography II 3 cr.
Prerequisite: PGY 1101C or consent of instructor. A continuation of PGY 1101C, including more in-depth involvement with cameras, film, paper, lenses, photographic accessories, and darkroom techniques. Lab fee required (see page 17). 32 lecture hours and 32 laboratory hours.

Banking (See Business-Financial Institutions)

Biological Science

APB 1120 Introduction to Biology I 3 cr.
A non-laboratory course for students not planning to major in Biology. It introduces the student to biological chemistry, cellular respiration, photosynthesis, cell biology, and genetics. APB 1120 and APB 1150 do not have to be taken in sequence. 48 class hours.

APB 1150 Introduction to Biology II 3 cr.
A non-laboratory course for students not planning to major in Biology. It introduces the student to basic human anatomy and physiology, ecology, and evolution. APB 1150 and APB 1120 do not have to be taken in sequence. 48 class hours.

APB 1811 Human Anatomy and Physiology I 3 cr.
Prerequisites: High school biology and chemistry with a laboratory. An introduction to the structure and function of the human body, to include: the chemical basis of life, cell organization and dynamics, cell metabolism, genetics, reproduction, tissue, integumentary system, skeletal system, and the muscular system. 48 class hours.

APB 1811L Human Anatomy and Physiology I Laboratory 1 cr.
Corequisite: APB 1811. This course provides laboratory support for the concepts taught in APB 1811. Laboratory fee required (see page 17). 32 laboratory hours.

APB 1812 Human Anatomy and Physiology II 3 cr.
Prerequisites: APB 1811 and 1811L. A continuation of APB 1811. Emphasis is placed on the structure and function of the digestive, respiratory, cardiovascular, lymphatic, nervous, endocrine, urinary, and buffering systems. 48 class hours.

APB 1812L Human Anatomy and Physiology II Laboratory 1 cr.
Corequisite: APB 1812. This course provides laboratory support for the concepts taught in APB 1812. Lab fee required (see page 17). 32 laboratory hours.

BOT 1010C Botany 4 cr.
A survey of the plant kingdom. This lecture/laboratory course is designed to acquaint the biology or science major with basic biological principles as they apply to the various aspects of the plant kingdom. Particular emphasis will be placed on plant evolution. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

BSC 1010C Fundamentals of Biology I 4 cr.
Suggested prerequisite: High school biology or chemistry. An introduction to the unifying principles of biology at the molecular and cellular levels of organization, to include: introductory biochemistry, cell structure and function, cellular energetics, and Mendelian and modern genetics. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

BSC 1011C Fundamentals of Biology II 4 cr.
Prerequisite: BSC 1010C. A continuation of BSC 1010C, emphasizing the organismic and community levels of organization, to include: evolution and the origin of life, ecology, the diversity of life, and the structure and function of plants and animals. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

MCB 2013C Microbiology 4 cr.
Prerequisite: BSC 1010C. Pre or corequisite, CHM 1025C or CHM 2045C. A survey of microbial forms with emphasis on the bacteria, their morphology, physiology, genetic mechanisms, and their effects upon organisms. 48 lecture hours and 32 laboratory hours.

OCE 2007 Introduction to Oceanology 3 cr.
An introduction to the physical, chemical, and biological nature of the sea. Topics include: the history and shape of the oceans; waves, tides, and currents; diversity and ecology of marine life; and oceanic contamination. Credit to be earned as a science elective only. 48 class hours.

ZOO 2010C Zoology 4 cr.
A survey of the animal kingdom with emphasis on taxonomy, life cycles, evolution, organ systems, and phylogenetic relationships. A representative of each of the major groups will be discussed and investigated. It is strongly recommended that students take a Fundamentals of Biology course or its equivalent before attempting Zoology. 48 lecture hours and 32 laboratory hours.

Building Construction Technology

BCN 1220 Structures I 3 cr.
The principles and practices of residential building construction with emphasis on regional construction. 48 class hours.

BCN 1221 Structures II 3 cr.
Prerequisite: BCN 1220. The principles and practices of commercial and industrial building construction using structural timber, steel, and concrete. 48 class hours.

BCN 1501 Plumbing Systems 3 cr.
The study of the residential and commercial plumbing practices based on the current Southern Plumbing Code. 48 class hours.

BCN 1520 Electrical Systems 3 cr.
A study of residential and commercial electrical practices based on the current National Electrical Code. 48 class hours.

BCN 2610 Construction Estimating 3 cr.
Prerequisites: BCN 1220 and MAT 0003 or APPROPRIATE MAPS SCORE. A course that teaches the computations of costs associated with typical construction projects to include — labor and materials — from take-off to final estimates. 48 class hours.

BCN 2785 Codes, Contracts, and Specifications 3 cr.
Prerequisites: BCN 1220, BCN 2610, BCT 1040, and ETD 1530C, or consent of instructor. A review of the various statutes, codes, contracts, and specifications which are related to the building industry. 48 class hours.

BCT 1040 Basic Drafting and Blueprint Reading 3 cr.
Prerequisite: BCN 1220 or consent of instructor. A sequence of related technical information and blueprint reading and drafting practices, with emphasis on methods of printing and dimensioning of drawings. Lab fee required. 32 lecture hours and 32 laboratory hours.

BCT 1941 Building Construction Practicum I 3 cr.
Pre or corequisite: BCN 1220. Theory and practice of construction ideas and concepts as employed through various

organized procedures which will involve training with concrete and masonry, and special job-related assignments. The course is designed to be coordinated with the other courses that the Building Construction Technology students will be taking.

BCT 1942 Building Construction Practicum II 3 cr.
Prerequisite: BCT 1941. A continuation of Building Construction Practicum I, with emphasis on framing and building.

BCT 2941 Building Construction Practicum III 3 cr.
Prerequisite: BCT 1942. A continuation of Building Construction Practicum II, with emphasis on electrical, plumbing, and air-conditioning.

BCT 2942 Building Construction Practicum IV 3 cr.
Prerequisite: BCT 2941. A continuation of Building Construction Practicum III, with emphasis on construction management and supervisory techniques.

ETD 1530C Architectural Drawing 3 cr.
Prerequisite: BCT 1040. The fundamentals of architectural drawing and design including both residential and commercial buildings. Lab fee required. 32 lecture hours and 32 laboratory hours.

ETM 2610 Mechanical Systems 3 cr.
A course that introduces the environmental control of houses and buildings. Emphasis is placed on equipment design, performance, and maintenance of air-conditioning, heating, and steam systems. 48 class hours.

SUR 2001C Surveying I 3 cr.
An introduction to the basic methods of site surveying, use of instruments, and note recording. Site plan development for use in building construction projects is emphasized. 48 class hours.

SUR 2200C Surveying II 3 cr.
Prerequisite: SUR 2001C. An introduction to road surveying with an emphasis on cross sections, vertical and horizontal curves. 48 class hours.

Business

ACG 2001 Principles of Accounting I 3 cr.
An introductory study of the underlying principles of double entry records; basic types of records and reports; accounting procedures and techniques; inventories, valuation and depreciation methods; payroll; the form and content of the balance sheet; and the Income statement. 48 class hours.

ACG 2011 Principles of Accounting II 3 cr.
An introduction to the formation, liquidation, and dissolution of partnerships and corporations; job order costing and standard costing; financial statement analysis as an aid to management decisions; and accounting for stocks and bonds. 48 class hours.

ACO 0001 Bookkeeping Certificate — 20 voc. cr.
The purpose of this program is to prepare the students for employment as bookkeepers and posting clerks. Lab fee required (see page 17). 600 clock hours.

BUL 2111 Business Law I 3 cr.
Business law considers the nature and source of laws, law courts, and courtroom procedures. Legal principles covering crimes and torts with emphasis on contracts, personal property, and bailments and sales, with relevant portions of the Uniform Commercial Code. 48 class hours.

BUL 2112 Business Law II 3 cr.
Prerequisite: BUL 2111. Business law with emphasis on commercial paper, creditors' rights and secured transactions, agency and employment, partnerships, corporations, and real property. 48 class hours.

ECO 2013 Principles of Economics I 3 cr.
An introductory course in economic principles and analysis. Areas covered include: economic features of society; utility and consumption; production and business organization; national income accounting; national income theory—the twin problems of recession and inflation, money credit and the banking system; public finance; the principles and problems of full employment without inflation; and macroeconomics. 48 class hours.

ECO 2023 Principles of Economics II 3 cr.
A course dealing with markets and prices; supply and demand, competition, and market structures; distribution of income among factors of production; economic growth and development; other economic systems; and microeconomics. 48 class hours.

FIN 1100 Personal Finance 3 cr.
This course is a survey of the problems and techniques of family financial planning. Major topics include career and income, budgets, consumer credit, insurance, home ownership, and personal investments. 48 class hours.

GEB 1011 Introduction to Business 3 cr.
Fundamentals of business environment, organization, and operation. Emphasis is placed on perspectives of business, management, marketing, finance, and quantitative tools. 48 class hours.

**HFT 0150 Travel Agency Operations/
Travel Agent** Certificate—6 voc. cr.
The purpose of this program is to prepare students for employment as travel agents. 180 hours of instruction.

MAN 1800 Small Business Management 3 cr.
Designed for students with previous business experience or for those who have completed GEB 1011, Introduction to Business. A study of principles of small business management. This course presents the principles and problems in planning, organizing, and operating a small business. The course includes procedures for tracking the financial progress of the business, budgeting, forecasting, profit analysis, record-keeping, insurance management, cost control, and credit. Areas of marketing, research, promotion, and advertising are presented as vital foundations of business. 48 class hours.

MAR 1011 Principles of Marketing 3 cr.
The study of matching products to markets. Discussion of basic marketing functions. Emphasis will be placed on those interacting determinants of demand which make up the marketing environment—the economic, physiological, sociological, and political factors. The legal restraints that make up the forces beyond management control, but are needed in the marketing decision-making process, are introduced. 48 class hours.

MKA 1041 Principles of Retailing 3 cr.
A study of the principles, procedures, and techniques of retailing, buying, pricing merchandise, and of determining consumer demand. Attention will be given to how and when to buy and to sources of supply. The organization and function of major divisions in retail establishments will be addressed. Field trips, where practical, will supplement regular class activities. 48 class hours.

MKA 1302 Marketing Practicum I 3 cr.
Prerequisite: Consent of the Instructor. Theory of major coursework is employed through the use of various plans, which will involve on-the-job training with local businesses and special job-related assignments. This course is designed to be utilized by Marketing/Distributive Education students.

MKA 1312 Marketing Practicum II 3 cr.
Continuation of MAR 1302.

MKA 2021 Salesmanship 3 cr.
A study of principles underlying all selling activities. This course presents principles and problems in personal selling related to prospecting, pre-approach, approach, demonstration, meeting objections, and closing the sale. 48 class hours.

MKA 2322 Marketing Practicum III 3 cr.
Continuation of MKA 1312.

MKA 2332 Marketing Practicum IV 3 cr.
Continuation of MKA 2322.

MKA 2511 Principles of Advertising 3 cr.
This course presents a study of advertising principles and practical application of advertising in the media. Areas covered include the history of advertising, designing and developing advertisements, media selection, sales promotional strategies, and social aspects. 48 class hours.

MNA 1345 Principles of Supervision 3 cr.
A study of the basic concepts and major functions of modern supervision. Students receive introductory instruction in concepts and practices which define supervision, the role of the supervisor within the organization, personnel management, and relationships with special groups of employees. 48 class hours.

**MNA 2300 Personnel Relationships
in Business** 3 cr.
This course provides a study of personnel relationships as individuals and as group members. It will include practical application of effective work relationship skills needed in business and industry, to include: group dynamics; motivation; interpersonal perception; oral and written communications; leadership; management; decision making; problem solving; and employability skills. Designed for students in business and technical fields. 48 class hours.

**OFT 0011 General Office
Clerk** Certificate—3 voc. cr.
This program is designed to enable students to acquire skills and knowledge necessary for initial employment as an office clerk. Laboratory activities are an integral part of this program and include the use of typewriters, calculators, and dictation/transcription equipment. Lab fee required (see page 17). 360 hours of instruction.

**OFT 0505 Medical Office
Assistant** Certificate—15 voc. cr.
The purpose of this program is to prepare students for employment as office clerks in medical facilities or as medical of-

office assistants. This course will include instruction in general office skills and medical record skills. There is also a clinical component. Professional liability insurance fee and lab fee required (see page 17). 450 clock hours.

OST 1100 Beginning Typewriting 3 cr.
A study of the touch system of typewriting and the application of the basic skills to business letters, reports, and tabulated problems. 48 class hours.

OST 1110 Intermediate Typewriting 3 cr.
Prerequisite: OST 1100 or consent of instructor. A study of the touch system of typewriting and a continuation of basic production skill-building and applications. 48 class hours.

OST 1211 Speedwriting Shorthand I 3 cr.
Prerequisite: OST 1100 or consent of instructor. A beginning course in the principles of Speedwriting shorthand, with dictation and transcription practice. Designed for students who have had no previous shorthand or less than one year of high school shorthand. 48 class hours.

OST 1212 Speedwriting Shorthand II 3 cr.
Corequisite: OST 1100 or consent of instructor. Prerequisite: OST 1211 (or one year of shorthand). A continuation of Speedwriting Shorthand I, with increased practice in dictation and transcription. Spelling, punctuation, and format are stressed. 48 class hours.

OST 1721 Word Processing – Applications I 3 cr.
Prerequisite: OST 1110 or consent of instructor. This course develops the skills necessary to use word processing software. Upon successful completion of this course, the student will qualify for an entry-level position in a word processing center or in an office using word processing software. Lab fee required (see page 17). 48 class hours.

OST 1722 Word Processing – Applications II 3 cr.
Prerequisite: OST 1721. This course is a continuation of Word Processing – Applications I. The business application problems assigned will be more complex than those assigned in the prerequisite course. Included will be special problems in multiple-page projects, sophisticated formatting, records processing, and practical applications. IBM or compatible equipment will be used. Lab fee required (see page 17). 48 class hours.

OST 1743 Electronic Writing 1 cr.
This course develops the skills necessary to use the microcomputer keyboard and word processing software to facilitate the writing of term papers, essays, reports, etc. Students will learn the correct keyboarding techniques and the appropriate formatting of reports. Lab fee required (see page 17). 16 class hours.

OST 1801 Desktop Publishing 1 cr.
Prerequisite: OST 1721, CGS 1061, or consent of instructor. This course will offer instruction in basic desktop publishing. Students will key, edit, arrange, and format material using desktop publishing software. Lab fee required (see page 17). 16 lecture hours.

OST 2130 Electronic Speedbuilding 1 cr.
Prerequisite: OST 1110 or consent of instructor. This course is designed to offer the student concentrated speedbuilding drills on typewriter and microcomputer keyboards and the electronic calculator ten-key pad. 16 lecture hours.

OST 2131 Legal Typewriting 3 cr.
Prerequisites: OST 1110 or consent of instructor. This course will provide for the typing of legal papers used in legal offices and legal departments. In addition, legal concepts and terminology and speedbuilding exercises will be included. 48 class hours.

OST 2321 Electronic Office Machines 3 cr.
This course is designed to train students to use various office machines, with emphasis in reprographics and the ten-key calculator. Microcomputers and software will be used to supplement instruction in this course. 48 class hours.

OST 2335 Business Communications 3 cr.
Prerequisite: OST 1100 or consent of instructor. This course offers instruction and practice in the production of effective oral and written communication. Emphasis is placed on writing clear, forceful, and effective business letters. 48 class hours.

OST 2401 Office Technology 3 cr.
Prerequisite: OST 1100 or consent of instructor. This course provides for the development of professional secretarial skills, including instruction in telephone techniques, public relations, and planning for travel, conferences, and meetings. Basic employability skills and good business grooming habits are included. Some applications are taught using electronic equipment, including microcomputers. 48 lecture hours.

OST 2601 Electronic Machine Transcription 3 cr.
Corequisite: OST 1721 or consent of instructor. This course provides for the development of proficiency in machine transcription using various types of transcribing machines. The course will also emphasize general grammar rules, vocabulary, and listening skills. Electronic equipment, including microcomputers, will be used for transcription. 48 lecture hours.

OST 2741 Word Processing – Text Editor 1 cr.
Prerequisite: OST 1100 or consent of instructor. This course will include individual instruction on the operation of a dedicated word processor. The operations that will be included are: the basic components of the machine, machine commands, diskettes, printer, microprocessor, formatting, construction and editing of text, filling, and special applications. The student will type, correct, and print various types of business documents. Lab fee required (see page 17). 16 class hours.

QMB 1001 Business Mathematics 3 cr.
This course develops computational skills necessary for successful business management. In addition to a review of basic functions, topics include payroll and taxes, inventory, depreciation, simple and compound interest, the metric system, and statistics. Emphasis is on developing computational ability. 48 class hours.

RMI 0091 Insurance Marketing/General Lines Insurance Agent Certificate – 8 voc. cr.
The purpose of this program is to prepare students for employment as General Lines Agents in the area of property and casualty insurance. 240 hours of instruction.

Business - Financial Institutions

(Formerly Banking)

BAN 1004 Principles of Banking 3 cr.
This course presents the basic functions and services pro-

vided by the banking industry. It provides a broad perspective of bank operations, terminology, and services. The topics include: banking in today's economy, language and documents of banking, check processing, teller functions, deposit functions, trust services, bank bookkeeping, and bank loans and investments. 48 class hours.

BAN 1014 Loan and Discount 3 cr.

This course provides the essential facts about promissory notes, including calculating interest and discounting commercial paper; guaranties; general collateral agreements; examining and processing accompanying notes secured by bonds, stock and savings accounts; and the concepts of attachment, perfections, priority, default and foreclosure. 48 class hours.

BAN 1210 Analyzing Financial Statements 3 cr.

Prerequisites: GEB 1011 and ACG 2001. This course provides the techniques necessary for the evaluation of the financial condition and operating performance of a business. It will include accounting, business funds flow, the preparation of financial statements, and the technique of financial statement analysis. 48 class hours.

BAN 1252 Real Estate Finance in Banking 3 cr.

This course provides a background in the varied real estate mortgage credit operations of commercial banks. It concentrates on how funds are channeled into the mortgage markets, financing of residential and special purpose property, and administrative tasks common to most mortgage departments. 48 class hours.

BAN 2206 Credit Administration 3 cr.

This course describes the factors influencing and determining loan policy. It includes methods of credit investigation and analysis, credit techniques, specific credit problems, and secured and unsecured loans. Emphasis is also given to credit department organization and procedures, analysis of financial statements, and methods of dealing with borrowers in financial difficulty. 48 class hours.

BAN 2240 Installment Credit 3 cr.

This course emphasizes installment lending techniques in commercial banks. It includes credit evaluation, open-end credit, marketing bank services, collection procedures, legal aspects of credit, financial statement analysis, insurance, and rate structure and yield analysis. 48 class hours.

BAN 2400 Trust Functions and Services 3 cr.

This course provides an overview of the generally accepted principles of the law of estates, trusts, and agencies. It will include the trust functions and services encountered in the daily operations of a trust department. 48 class hours.

BAN 2501 Money and Banking 3 cr.

This course stresses the practical application of the monetary and banking system. It covers such topics as the structure of the commercial banking system; the nature and functions of money, banks, and the money supply; cash assets and liquidity management; bank investments, loans, earnings, and capital; the Federal Reserve System; and Treasury Department operations. 48 class hours.

BAN 2742 Bank Management 3 cr.

This course presents new trends which have emerged in the philosophy and practice of management. The study and application of the principles outlined provide new and experienced bankers with a working knowledge of bank management. It includes objectives, planning, structure, control, and the interrelationships of various bank departments. 48 class hours.

BAN 2800 Law and Banking 3 cr.

This course presents an introduction to basic commercial law and relates it more specifically to banking and bank transactions. Topics included are: contracts, agency and partnerships, corporations, real property, personal property and sales, the Uniform Commercial Code, negotiable instruments and bank collections, and secured financing. 48 class hours.

SVL 1111 Teller Operations 2 cr.

This course will provide new or experienced tellers with a conceptual understanding of the financial services business, the tasks performed daily, and the steps which must be taken to perform those tasks successfully. New service capabilities have expanded the teller's role and responsibilities. This course addresses important changes that the financial services business has undergone in recent years—and how these changes affect tellers. 32 lecture hours.

SVL 1121 Managing Deposit Accounts and Services 2 cr.

This course will cover a wide variety of services offered by financial institutions and the impact of federal regulation on managing deposit accounts and services. The student will learn how to explain more clearly an institution's policies to customers and to assist customers in taking advantage of available services. 32 lecture hours.

SVL 1221 Residential Mortgage Lending 2 cr.

This course will cover mortgage lending principles that are essential in making and maintaining sound residential mortgage loans. The course will introduce the student to the procedures involved in originating and processing residential mortgage loans. Nondiscrimination requirements, property appraisal techniques, and risk evaluation will be examined. The course also explores the types of residential mortgage loans that federally chartered institutions can make, including standard mortgage loans, alternative mortgage loans, and government-insured/government-guaranteed mortgage loans. The role of the secondary mortgage market will also be discussed. 32 lecture hours.

SVL 1231 Commercial Lending for Savings Institutions 2 cr.

This course provides important terms, concepts and techniques that are needed in order to successfully perform the complex tasks involved in commercial lending. The student will learn how an institution can use commercial lending to reduce vulnerability to economic fluctuations. The institution's concerns—marketing, loan commitments and loan administration—are examined to provide the student with a valuable perspective on this potentially profitable lending activity. 32 lecture hours.

SVL 1411 Techniques for Customer Counseling 2 cr.

This course will examine the principles of customer needs, the financial services that can satisfy those needs, and the relationship of the financial institution and the customer. The aspects of customer contact—drawing on sociology, psychology, economics, and other disciplines—will be investigated. The student will examine practical, job-related techniques and guidelines for meeting the special challenges of his/her job. 32 lecture hours.

SVL 1601 Effective Business Writing 2 cr.

This course will cover specific skills needed to write effectively in a financial profession. The student will learn to use writing skills to save time and improve relationships with customers. 32 lecture hours.

**SVL 1603 Communication Skills for Business:
Talking and Listening** 2 cr.

This course will help the student to improve interpersonal communication skills. Practical techniques which can be used to listen more effectively, persuade others, solve problems, and manage conflicts with customers and co-workers will be covered. The student will learn how to maintain poise under pressure and respond to others in a positive, effective manner. 32 lecture hours.

SVL 1761 Branch Management 2 cr.

This course blends managerial theory with practical, up-to-date applications. The student will learn how to tackle the expanded responsibilities of a branch manager today, including marketing and financial management. 32 lecture hours.

Chemistry

CHM 1025C Introductory Chemistry 4 cr.

This is a one-semester introductory chemistry course intended for students who have no high school chemistry or who need a refresher course prior to entering the CHM 2045C, CHM 2046C sequence. It includes chemical symbols; matter and energy; measurements and calculations (metric system); atomic structure; chemical formulas and calculations; chemical reactions and equations; chemical bonding; nomenclature; gases, liquids, and solids; solutions; chemical equilibrium; acids and bases; redox reactions; nuclear chemistry; and organic chemistry. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

**CHM 2045C General Chemistry
and Qualitative Analysis I** 4 cr.

Prerequisite: CHM 1025C or one year of high school chemistry. This course involves the study of the concepts of metric measurement, periodicity, chemical calculations, gas laws, thermochemistry, atomic structure, chemical bonding, molecular geometry, properties of solutions, states of matter, atmospheric gases, and hydrogen compounds. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

**CHM 2046C General Chemistry
and Qualitative Analysis II** 4 cr.

Prerequisite: CHM 2045C. This course extends the study of chemical principles in kinetics, chemical equilibrium, acid-base concepts and equilibrium, solubility, thermodynamics, electrochemistry, nuclear chemistry, metal groups, organic chemistry, and biochemistry. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

CHM 2210C Organic Chemistry I 4 cr.

Prerequisite: CHM 2046C. A study of carbon compounds with emphasis on alkanes, cycloalkanes and their reaction mechanisms, nucleophilic substitution and elimination reaction of alkyl halides, alkenes and their addition reactions, stereochemistry, alkynes, and conjugated unsaturated systems. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

CHM 2211C Organic Chemistry II 4 cr.

A continuation of CHM 2210C, giving consideration to aromatic compounds and their reactivity with electrophiles, structure determinations through spectroscopy, organic halides, organometallic compounds, nomenclature and reaction mechanisms of hydrocarbon derivatives, amines, carbonylates, lipids, and amino acids. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

Child Care

**HEV 0110 Child Care
Supervision** Certificate – 16 voc. cr.

The purpose of this program is to prepare students as Family Day Care Home Operators. Successful completers of this program will meet the Health and Rehabilitative Services (HRS) child care training requirements and will achieve a CPR certificate. Professional liability insurance fee required (see page 17). 480 clock hours.

College Preparatory (formerly Developmental Studies)

ENC 0010 Fundamentals of Writing 4 cr.

This college preparatory course is designed to improve the student's ability to write sentences and paragraphs. Grammar skills will be reviewed briefly, but emphasis is placed on writing exercises. A student entering the class is expected to have a knowledge of sentence structure, grammar, and punctuation. This course must be completed with a grade of "C" or higher. This credit does not apply toward a degree. 60 hours of instruction.

ENC 0080 Basic Grammar 4 cr.

This college preparatory course is designed to build and review grammar skills. Emphasis is placed on sentence structure, word usage and form, capitalization and punctuation. Laboratory work will be prescribed by the instructor. The spelling portion of this course will be offered based on identified student need. This course must be completed with a grade of "C" or higher. This credit does not apply toward a degree. 60 hours of instruction.

MAT 0002 Basic Arithmetic 4 cr.

This college preparatory course is designed to build and review basic skills in arithmetic. Emphasis is placed on basic operations, fractions and prime numbers, decimals, and the metric system, and percent usage. Laboratory work will be prescribed by the instructor. This course must be completed with a grade of "C" or higher. This credit does not apply toward a degree. 60 hours of instruction.

MAT 0003 Fundamentals of Mathematics 4 cr.

This college preparatory course emphasizes the operations of arithmetic for MAT 0024 and MGF 1202. Fundamental skills, concepts, and reasoning are stressed. Basic algebraic skills and concepts and set theory terminology are included. This course must be completed with a grade of "C" or higher. This credit does not apply toward a degree. 60 hours of instruction.

MAT 0024 Elementary Algebra 4 cr.

This college preparatory course provides the student with a review of basic mathematics and algebraic skills and concepts. This course must be completed with a grade of "C" or higher. This credit does not apply toward a degree. 60 hours of instruction.

REA 0001 Basic Reading 4 cr.

This college preparatory course is designed to improve a student's literal comprehension skills. The student will work in the areas of vocabulary, literal comprehension, basic reference skills, and be exposed to flexible reading skills. This course must be completed with a grade of "C" or higher. This credit does not apply toward a degree. 60 hours of instruction.

REA 0002 Fundamentals of Reading 4 cr.

Prerequisite: REA 0001 or a reading level above 9th grade. This college preparatory course is designed to improve the

student's critical reading skills. The course will help refine the student's literal comprehension skills and, in addition, develop critical reading skills that are needed in college course work. This course must be completed with a 10.5 grade level on a final reading test and with a grade of "C" or higher. This credit does not apply toward a degree. 60 hours of instruction.

Computer Programming and Analysis

CGS 0991 Computer Operations Certificate—15 voc. cr.

This program is designed to enable students to acquire skills and knowledge necessary for employment as a small business computer operator. The course emphasizes word processing and spreadsheet software applications as well as computer operating system functions. Lab fee required (see page 17). 450 clock hours.

CGS 1000 Introduction to Data Processing 3 cr.

This course will provide the student with an overview of the entire field of data processing. Upon satisfactory completion of the course, the student will have a basic understanding of what a computer system is, hardware components available, the stored program concept, data representation, and computer arithmetic and uses to which electronic data processing is applied. Lab fee required (see page 17). 48 class hours.

CGS 1061 Computer Literacy 3 cr.

An introductory course in microcomputers. No previous knowledge in programming is required. This course covers the selection and use of computer hardware, selection and use of commercially available software, and the application of software for small business or home projects. Lab fee required (see page 17). 48 class hours.

CGS 1570 Microcomputer Applications 3 cr.

Prerequisite: CGS 1000 or consent of instructor. This course gives the student practical knowledge of spreadsheet and database applications using MS-DOS, LOTUS 1-2-3 and dBase III Plus. Students will acquire an appreciation for the capabilities of microcomputers utilizing modern technology and state-of-the-art software. Models will be created and results will be analyzed, with emphasis on the student effectively applying computer skills to business applications. Lab fee required (see page 17). 48 lecture hours.

CGS 2510 Advanced Microcomputing with LOTUS 1-2-3 3 cr.

Prerequisite: CGS 1570 or consent of instructor. This course provides the student with a detailed knowledge of LOTUS 1-2-3. Students will learn advanced programming techniques using macros, integration of interrelated spreadsheets, and advanced graphics techniques. Emphasis will be placed on the student's completion of class projects in areas such as real estate, accounting, and finance utilizing the various features of spreadsheet programming. Lab fee required (see page 17). 48 class hours.

CGS 2540 Advanced Microcomputing w/dBase III 3 cr.

Prerequisite: CGS 1570 or consent of instructor. This course gives the student detailed knowledge in the use of the most popular database package for microcomputers. Students will acquire skills commensurate with professional database usage in the business community. Subjects covered include the dBase environment controls, file expansion and merging,

and advanced functions. Emphasis will be placed on mastering the dBase III programming language. Lab fee required (see page 17). 48 class hours.

CGS 2571 Advanced Microcomputer Applications 3 cr.

Prerequisite: Consent of instructor. This course provides instruction in using advanced microcomputer software packages. Course content will vary according to current needs of students and industry. Topics may include integrated software packages, spreadsheets, databases, utilities, and graphics software. Lab fee required (see page 17). 48 class hours.

CIS 2321 Systems Analysis & Design 3 cr.

Prerequisites: COP 2170 or COP 2120, and CGS 1570. This course will include the fundamental analysis and design of business data processing systems, problem analysis and definition, design of forms, data files and reports, documentation procedures, and computer systems management. 48 class hours.

CIS 2940 Data Processing Practicum 3 cr.

Prerequisites: CIS 2321, COP 2120 or COP 2170. This course will provide the student with an opportunity to explore various practical application areas in data processing installations or in a data processing laboratory environment. A project will be required that will be assigned by the instructor, or approved by the instructor if the student is at a job site. The project will include problem definition, flow charting, program coding, and testing with detailed documentation of the completed project. 117 participation hours.

COP 1000 Introduction to Programming Logic 3 cr.

The purpose of this course is to provide the student with an opportunity to solve problems with the help of a computer. Although BASIC, FORTRAN, PASCAL and other languages will be introduced, emphasis will be on the construction of language-free algorithms as a logic foundation for more advanced programming in the field of data processing or in personal/small business computers. 48 class hours.

COP 2120 COBOL Programming I 3 cr.

Prerequisites: CGS 1000, with a grade of "C" or better; and COP 1000, with a grade of "C" or better; or consent of instructor. A study of the organization and concepts of the COBOL programming language, using structured techniques, and its application as a programming tool in business and industry. Emphasis will be on the basics, to include processing sequence concepts, control breaks, and table processing. Upon satisfactory completion of this course, the student will be able to write complete COBOL programs in good form using sequential files. Students will compile, debug, and test programs they have written using data entry devices. Lab fee required (see page 17). 48 class hours.

COP 2121 COBOL Programming II 3 cr.

Prerequisite: COP 2120, with a grade of "C" or better. This course is a continuation of COP 2120 and is intended to orient the student to the type of programming that will be expected of an applications programmer in business and industry. Emphasis will be on the more advanced features of COBOL, to include input data validation, sorting, and random file processing. Students will compile, debug, and test programs they have written using data entry devices. Lab fee required (see page 17). 48 class hours.

COP 2170 Microcomputers and BASIC Programming 3 cr.
Prerequisites: CGS 1000 and COP 1000 or consent of instructor. This course is designed to give students a problem-oriented approach to the BASIC programming language for input/output, arithmetic, control structures, functions, arrays, sorting, subprograms, menus, file handling and string manipulation. Students will be responsible for compiling, debugging, and testing the programs they have written. Lab fee required (see page 17). 48 class hours.

COP 2210 PASCAL Programming 3 cr.
Prerequisite: COP 1000 or consent of instructor. A study of the concepts, data structures, and control structures of the PASCAL programming language. Emphasis will be placed on arithmetic operations, input/output technique, PASCAL control structures, procedures, functions, recursion, and arrays. Students will be responsible for compiling, debugging, and testing the programs they have written. Lab fee required (see page 17). 48 class hours.

COP 2220 "C" Language Programming 3 cr.
Prerequisites: CGS 1000, COP 1000, and knowledge of another programming language, or consent of instructor. The student will learn to design, document, prepare, enter, compile, debug, and execute C programs of moderate sophistication. Major topics covered include: program development; structured programming in C; data types in C; data structures in C; and input/output in C. Lab fee required (see page 17). 48 class hours.

Cosmetology

COS 0131 Cosmetology I 13 voc. cr.
This course is designed to cover the essential concepts and skills of Cosmetology. Classroom instruction and laboratory experiences will cover, but not be limited to: careers; ethics; bacteriology/sanitation; hair shampooing; scalp treatments; hair shaping; hair styling; permanent waving and coloring; and Florida Cosmetology law and rules. Lab fee required. 405 hours of instruction.

COS 0132 Cosmetology II 13 voc. cr.
Prerequisite: COS 0131 or consent of instructor. A continuation of the concepts and skills learned in COS 0131. This course will also provide an in-depth study of hair coloring; bleaching and special effects; permanent waving, chemical hair restructuring and relaxing, silking; facials and make-up, and nail disorders and diseases. Lab fee required. 405 hours of instruction.

COS 0133 Cosmetology III 13 voc. cr.
Prerequisites: COS 0131, 0132, or consent of instructor. A continuation of the salon experiences previously learned. This course will also provide for acquisition of knowledge of Cosmetology and its related chemistry, beauty salon management skills; and how to analyze and prepare wigs and hair pieces. There will be a review of shampooing, manicuring, pedicuring, nail extensions, and facial specialties. There will be a review of State Board requirements in preparation for the Florida Cosmetology License Examination. Lab fee required. 405 hours of instruction.

COS 0181 Cosmetology Review 1 voc. cr.
Prerequisite: Consent of instructor. This course is designed for the student who needs additional hours as required by the State Board of Cosmetology or for the student who needs additional preparation for the State Board examination. It is recommended for the licensed cosmetologist who desires to update knowledge and skills. 30 instructional hours. (May be taken for credit up to five times.)

COS 0183 Cosmetology Review – Manicuring/Pedicuring/Nail Extensions Specialist 4 voc. cr.
This course will provide instruction on safety and sanitary measures relative to manicuring and pedicuring; nail structures; nail irregularities and diseases; artificial and sculptured nails and extensions; manicuring and pedicuring; massage of the hands and feet; and Florida Cosmetology law and rules. Lab fee required. 120 hours of instruction.

COS 0184 Cosmetology Review – Facial Specialist 9 voc. cr.
This course will provide instruction on the safety and sanitary measures relative to facials; a study of the skin and its structure; functions, and abnormalities; the basic massage movements in performing a facial; how to select appropriate cosmetics, and the techniques used in applying make-up; how to apply false eyelashes; how to lint lashes and brows; and Florida Cosmetology law and rules. Lab fee required. 270 hours of instruction.

Criminal Justice

CCJ 1000 Crime and Delinquency 3 cr.
This course presents a general review of the juvenile delinquency problem, to include current theories of crime and delinquency, causal factors, and treatment. 48 class hours.

CCJ 1100 Introduction to Law Enforcement 3 cr.
Introduction to the philosophical and historical backgrounds of law enforcement. This course covers the organization, purpose, and functions of law enforcement and other agencies involved in the administration of criminal justice in the United States. It includes career orientation. 48 class hours.

CCJ 1400 Police Organization and Administration 3 cr.
This course covers the principles of organization and administration in law enforcement, to include functions and activities, planning and research, public relations, personnel and training, inspection and control, and policy formulation. 48 class hours.

CCJ 1401 Police Operations 3 cr.
Principles of organization and administration as applied to operational services. It covers patrol, criminal investigation, intelligence and vice units, juvenile units, and traffic administration. 48 class hours.

CCJ 2000 Police Role in Crime 3 cr.
A general orientation into the impact of crime in American society. The primary focus is on crime against the person; murder, forcible rape; robbery, aggravated assault, and conventional property crimes including burglary, larceny, and motor vehicle theft. Other topical studies include organized crime, white collar crimes, antisocial (psychopathic) offenders, crime causation, and victimization. 48 class hours.

CCJ 2130 Police Community Relations 3 cr.
The course provides an understanding of the complex factors involved in human relations between the community and law enforcement officers. The police role and the nature, meaning, and implications of professionalism in policing are explored in order to provide a better understanding of the necessity for a successful police-citizen partnership. 48 class hours.

CCJ 2220 Criminal Law 3 cr.
This course covers the nature, sources, and types of criminal law. It examines the classification and analysis of crimes and criminal acts in general and examines selected criminal offenses. 48 class hours.

CCJ 2250 Rules of Evidence for Police 3 cr.
An overview of rules of evidence and their application to the criminal justice system. Traditional rules of evidence are studied and the degree of proof and admissibility are stressed. The history, development, relevancy, competency and materiality of real, direct, and circumstantial evidence are discussed. Opinion testimony and hearsay rules are covered. 48 class hours.

**CJD 0000 Law Enforcement/
Basic Recruit** Certificate – 19 voc. cr.
The basic recruit course is established for the purpose of providing job-related training at the entry level to candidates for full-time or part-time law enforcement positions. The curriculum is prescribed by the Florida Department of Law Enforcement, Criminal Justice Standards and Training Commission in accordance with Florida Statutes. Lab fee required (see page 17). 570 hours of instruction.

**CJD 0003 Correctional
Officer** Certificate – 15 voc. cr.
The purpose of this program is to prepare students for employment as correctional officers or jailers. The program prepares students for certification as a correctional officer in accordance with Florida Statutes. Lab fee required (see page 17). 450 hours of instruction.

**CJD 0100 Law Enforcement
Auxiliary Officer** Certificate – 4 voc. cr.
This program is designed to prepare students for employment as law enforcement auxiliary officers. Successful completion of the program is required by Chapter 943 of the Florida Statutes for certification as an auxiliary officer. 120 clock hours.

CJD 0901 Bail Bonding Certificate – 3 voc. cr.
The purpose of this program is to prepare students for employment as surety or bonding agents. The program prepares students for certification as bail bonding agents. A certification of completion of the prescribed program must be sent to the Bureau of Licensing, Department of Insurance, Larson Building, Tallahassee, Florida 32301 in order for the student to take the Florida Bail Bondsman examination. 90 hours of instruction.

CJT 1100 Criminal Investigation 3 cr.
Introduction to criminal investigation procedures including theory of an investigation, case preparation, specific techniques for selected offenses, questioning witnesses and suspects, and problems in criminal investigation. 48 class hours.

CJT 1110 Introduction to Criminalistics 3 cr.
A general course in the scientific aspects of criminal investigation with the emphasis upon recording at the crime scene, collection and preservation of evidence, and the examination of evidence employing techniques available to the criminal investigator or crime technician. Advanced criminalistics are discussed to the extent necessary to familiarize the student with the capabilities and limitations of advanced police science laboratory. 48 class hours.

Dental Assisting

DEA 0700A Dental Assisting I 16 voc. cr.
Prerequisite: Admission to the Certificate Program – Dental Assisting. This course introduces general and specific content for the Dental Assisting student. General studies include communication, psychology, and child management. Bio-medical science content includes human anatomy and physiology, microbiology, nutrition, and client counseling. Dental science content includes dental materials; specific oral, head and neck anatomy; oral pathophysiology; and pharmacology. Simulated clinical experiences are provided. Laboratory fee and Professional Liability fee required. Additional campus laboratory hours may be required. 480 hours of instruction.

DEA 0700B Dental Assisting II 16 voc. cr.
Prerequisite: DEA 0700A. This course provides expanded concepts and supervised practice for the Dental Assisting student. Content includes clinical specialties, office management, legal and ethical considerations, professional organizations, chairside assisting, radiography, office emergencies, and preventive dentistry. Simulated clinical experiences are provided. Laboratory fee required. Additional campus lab hours may be required. 480 hours of instruction.

**DEA 0700L Dental Assisting
Clinical** 8 voc. cr.
Prerequisite: DEA 0700B. This course provides the student with clinical experiences in dentists' offices and clinics under the supervision of faculty and dentists. Experiences are inclusive of chairside assisting, dental office assistant responsibility, radiography, client instruction, and campus seminars. Student achievement in this course is graded as Satisfactory/Safe or Unsatisfactory/Unsafe. Laboratory fee required. 240 hours of instruction.

Drama and Theater

Students are advised that course selections in the area of performing arts are not automatically transferable; they will, therefore, need to consult the receiving institution to determine the transferability of performing arts credits.

ORF 1000 Oral Interpretation 3 cr.
This course in oral interpretation has a three-part focus: (1) the application of vocal techniques in oral interpretation of various modes of literature, (2) the analysis of literary texts such as poetry, prose, and the drama for the purposes of performance, and (3) the design and presentation of an oral interpretation program based on literary texts analyzed. 48 class hours.

THE 2000 Survey of Drama I 3 cr.
Prerequisite: ENC 1101 or consent of instructor. Survey I traces the historical development of Western dramatic literature from the period of the ancient Greeks up to, and including, the plays of William Shakespeare. The historical approach of the course emphasizes the origins of Western drama in the religious festivals of ancient Greece, the influence of Christianity on the development of English drama in the Middle Ages, and the culmination of Renaissance drama in the literary and theatrical achievement of William Shakespeare. Students read examples of: ancient Greek tragedy and comedy; Roman comedy; medieval miracle, mystery, and morality plays; pre-Shakespearean Renaissance drama; and the plays of William Shakespeare (a history play, a comedy, a tragedy, and a tragic-comedy). Students also study the physical aspects of Eastern

theatre during each phase with focus on the staging of plays in the amphitheaters of ancient Greece, in and outside of churches in the Middle Ages, in pre-Shakespearean Renaissance structures, and in the Globe and Blackfriars theatres used by Shakespeare. 48 class hours

THE 2010 Survey of Drama II 3 cr.
Prerequisite: ENC 1101 or consent of instructor. Survey II traces the historical development of Western dramatic literature from the 17th century up to, and including, the Contemporary period. The historical approach of Survey I is continued, but emphasis is given to the breadth and diversity of Western drama since Shakespeare. Students read examples of: 17th century French classical tragedy and French comedy; English Restoration comedy (17th century); 18th century British comedy of manners; German verse drama of the late 18th and early 19th centuries; social issue plays of the early Modern period; the Irish National Theatre plays of the early 20th century; the 20th century Theatre of the Absurd; and 20th century American plays. The course recognizes the contributions of Continental as well as British writers to the development of Western dramatic literature; the plays recommended for reading also reflect the importance of the Community Theatre Movement in the United States and the creation of significant American drama by women and minority playwrights. 48 class hours.

THE 2020 Fundamentals of Theatre 3 cr.
This course is an introductory theatre course encompassing theatre history, theatre as a form of art, and script analysis; it also deals with the various and separate aspects which come together to form a theatrical production. The student may be required to attend theatrical productions. 48 class hours.

TPA 2925A Play Production I 3 cr.
Prerequisite: TPP 1111 or consent of instructor. This course is designed to give the students the experience of working on a production from the pre-production planning stage through to the final performance and strike (the dismantling of sets and clean-up after the production). Students will be involved in all aspects of production in both the performance and technical areas as well as in the areas of box office and house management. In addition to working on an actual production, students will be required to attend class lectures and turn in written assignments. Students may also be asked to attend productions of plays off campus. Lab fee required (see page 17). 32 lecture hours and 32 laboratory hours.

TPA 2925B Play Production II 3 cr.
Prerequisite: TPA 2925A. This course is a continuation of TPA 2925A Play Production I. Lab fee required (see page 17). 32 lecture hours and 32 laboratory hours.

TPP 1110 Beginning Acting 3 cr.
This course focuses primarily on developing the individual's awareness of the body and voice as instruments with which the actor conveys feelings, attitudes, thoughts, and ideas. This will be accomplished by means of physical and vocal exercises, drills, games, and improvisations. Students may be required to attend several performances off campus. 32 lecture hours and 32 laboratory hours.

TPP 1111 Intermediate Acting 3 cr.
Prerequisite: TPP 1110 or consent of instructor. This course is a continuation of TPP 1110 Beginning Acting with a special emphasis on the various processes of developing characterization. The course will stress techniques of textual and script analysis as it is related to characterization and performance. Students will be required to read plays as well as

work on monologues and scene study. Students may be required to attend several performances off campus. 32 lecture hours and 32 laboratory hours.

TPP 2700 Voice Preparation for the Actor 3 cr.
Prerequisite: TPP 1110 or consent of the instructor. This course is designed to liberate the natural voice rather than to develop a vocal technique. A clear view of the voice in the general context of human communication will be presented and the students will perform a series of exercises to free, develop and strengthen the voice, first as a human instrument, and then as the human actor's instrument. An emphasis is placed on the removal of the physical as well as the emotional blocks that inhibit the human instrument. 32 lecture hours and 32 laboratory hours.

Education

CHD 1384 Child Development Associate (CDA) Practicum I 3 cr.
This course is a part of the Child Development Associate (CDA) training needed by persons working in HeadStart Programs. It includes teaching children safety consciousness to the instructor, developing and providing information on good health habits, establishing conducive learning environments and promoting good physical development.

CHD 1440 Child Development Associate (CDA) Practicum II 3 cr.
A continuation of CDA Practicum I. It includes providing activities to children that encourage problem solving skills, student questions, and creative ideas. Developing a positive concept in the child and recognizing individual strengths as well as helping the child to understand, express, and control his/her feelings will be stressed.

CHD 1442 Child Development Associate (CDA) Practicum III 3 cr.
A continuation of CDA Practicum II. Includes helping children to learn how to get along and respect others, developing rules that are realistic and consistent for children to follow, developing positive and productive relationships with parents, and encouraging them to participate in activities.

EDF 1005 Introduction to Education 3 cr.
A general introductory course in education intended to assist the student in understanding the American educational system in terms of its development and present organization. The student is introduced to the problems of the profession and the field of education is surveyed in general. Direct observations are required. Recommended for those considering teaching as a career. 48 class hours.

EDG 1310 Classroom Management 3 cr.
The study of classroom management principles and applications, including individual behavior management and group dynamics techniques. 48 class hours.

EDG 1315 Preparation of Instructional Materials 3 cr.
This course provides knowledge, techniques, and skills for preparing instructional materials for use in elementary and secondary schools. Topics included are: printing and hand writing, lettering and printing tools, laminating and transparency techniques, audio recording and duplication, slide production, and basic operation of audiovisual and reproduction equipment. 48 class hours.

EDG 1316 Tutoring Management and Techniques 3 cr.

This course is designed to provide teacher aides with knowledge and skills necessary to facilitate learning when tutoring students of various ages. Topics include: the role of the teacher aide, principles of working with children, basic principles of learning, and various approaches and techniques of facilitating learning. While designed for teacher aides, this course is open to all interested students. 48 class hours.

EDG 1317 Current Approaches and Tutoring Techniques for Reinforcing Reading Instruction 3 cr.

This course is designed to provide teacher aides with skills for effectively implementing tutoring activities for reading students in elementary and secondary schools. While designed for teacher aides, this course is open to all interested students. 48 class hours.

EDG 1318 Current Approaches and Tutoring Techniques for Reinforcing Mathematics Instruction 3 cr.

This course is designed to provide teacher aides with skills for implementing tutoring activities for mathematics students in elementary and secondary schools. While designed for teacher aides, this course is open to all interested students. 48 class hours.

EDC 1942 Teacher Aide Practicum 3 cr.

Prerequisites: ENC 1101, EEC 1700, EDG 1315, EDG 1316; MGF 1202 or MAT 0003. The student will be assigned to school settings to gain experience as a teacher aide. The experience will be structured by objectives, monitored, and evaluated.

EEC 1700 Early Childhood Development and Education 3 cr.

This course is a study of the mental, emotional, social, and physical needs and growth patterns of children from birth to age six. By emphasizing the mental health aspects of teaching, this course helps students to understand the dynamics of behavior in the preschool child. The importance of teacher-pupil and teacher-parent relationships is stressed. Included is an examination of materials and equipment that are appropriate for use in the preschool program and are essential for achieving the experiences and attitudes that characterize an enriched school program. Observations of children in school situations are required. 48 class hours.

EEC 2311 Preschool and Early Childhood Activities 3 cr.

This course is directed toward planning activities for the preschool child in early childhood education. Emphasis is placed on the selection and use of appropriate equipment and materials for developing readiness in the subject areas. The importance of play, art, drama, music, and scientific discoveries is stressed. Laboratory participation in class is a requirement of this course. Recommended for nursery and kindergarten teachers and aides. 48 class hours.

RED 2310 Current Approaches in Teaching Reading 3 cr.

A course designed to investigate and evaluate methods of teaching reading at the elementary level. 48 class hours.

Electronic Engineering Technology

CET 2114C Digital Electronics 4 cr.
Prerequisite: EET 1015C. This course serves to introduce topics

needed to become proficient in Digital Electronics. Number systems, computer arithmetic, Boolean algebra, logic functions, gates, flip flops, registers, counters, encoders, decoders, arithmetic circuits, shift counters, and memories are the topics covered in this course. Laboratory experiments are used to verify the concepts studied. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

CET 2121C Microprocessor Programming Principles 4 cr.

Prerequisite: CET 2114C. Corequisite: EET 2142C. This course introduces the student to microprocessor fundamentals and microprocessor programming techniques. Several microprocessor types will be studied. Lab work includes writing, debugging, and running microprocessor programs. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

CET 2123C Digital Systems 4 cr.

Prerequisites: EET 2142C and CET 2121C. This course examines microprocessor-based computer systems. Subjects include input-output fundamentals and programming, data conversions, using higher level languages (BASIC) as a system controller and troubleshooting aid, peripheral systems (printers, terminals, etc.), system simulation, and system troubleshooting. Laboratory work involves programming in assembler and higher level languages, peripheral equipment investigation, system simulation, and system troubleshooting. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

CET 2152C Microcomputer Hardware and Software Fault Analysis 4 cr.

Prerequisite: Permission of instructor. This course presents topics which cover typical board layouts and hardware locations of functional elements, to include fault location; the function of control lines and associated faults; and input/output faults between the MPU/CPU and peripherals. This course also involves the study and use of operating systems in diagnostic software for fault location. The IBM compatible XT and AT systems will be studied. 48 lecture hours, 32 laboratory hours.

CET 2186C Peripheral Device Repair 3 cr.

Prerequisite: Permission of the instructor. This course is designed to teach students the functions performed by peripherals, troubleshooting techniques, and repair techniques. Students are also taught how to use calibration equipment, to configure new systems, and to cable and adjust equipment when required. The peripherals to be discussed in this course include disk drives, printers, modems, and monitors. 32 lecture hours and 32 laboratory hours.

CET 2341C Microprocessor Controllers for Machines and Robots 4 cr.

Prerequisites: EET 2142C and CET 2121C. This course teaches microprocessor control of physical systems, typically open loop and closed loop control of systems. Topics include numerical control and stepper drives in open loop systems, open and closed loop robotic systems. Functional elements include transducers, D/A and A/D converters, look-up tables, real time counters, interface circuits, and handshake circuits. Lab fee required (see page 17). 32 lecture hours and 64 laboratory hours.

EET 1002 Introduction to Electronics Technology 3 cr.

This course is designed as an entry vehicle into the Electronics Technology Program. A survey of general electrical/electronic principles and systems is provided. Topics include DC and AC electricity, and solid-state devices. System topics include digital, communication, and biomedical systems and sub-systems. Basic mathematical concepts as used with electronic

applications will be introduced and/or reviewed. Does not substitute for any required course in any Electronics Technology Program. 48 class hours.

EET 1015C Electronics I 5 cr.
Prerequisite: Appropriate score on MAPS Elementary Algebra Test or permission of the instructor. This course begins with the basic concepts of electricity. Charge, current flow, potential difference, and resistance are dealt with; Ohm's Law, series, parallel circuits, Kirchoff's Law, Thevenin's, Norton's, and the Superposition Theorem are covered. Laboratory experiments are used to verify all concepts covered. The use of DC measuring instruments is covered. Alternating current and the 60 Hz power line are introduced. Lab fee required (see page 17). 64 lecture hours and 32 laboratory hours.

EET 1025C Electronics II 5 cr.
Prerequisite: EET 1015C and appropriate score on MAPS Elementary Algebra Test or permission of instructor. This course continues the study of alternating current concepts and circuits. The concepts of inductance, capacitance and their effect in AC circuits is studied. Time constants, RL, RC, and RLC circuits, complex numbers, vectors and phasors, resonance, and filters are studied for both sinusoidal and non-sinusoidal applications. Two terminal active devices, rectifiers, and bipolar transistors are introduced. Laboratory experiments are used to verify all concepts studied. Lab fee required (see page 17). 64 lecture hours and 32 laboratory hours.

EET 1148C Electronic Analysis I 4 cr.
Prerequisite: EEV 0812. This course is designed to provide a background in D.C. network analysis, A.C. network analysis, and coupled circuit analysis. This course introduces the student to simplification and analysis procedures of multisource D.C. and A.C. circuits using various analysis techniques and network theorems. 48 lecture hours, 32 laboratory hours.

EET 1149C Electronic Analysis II 4 cr.
Prerequisite: EET 1148C. This course provides the student with concepts and experiences in design and analysis of discrete solid-state circuits. 48 lecture hours and 32 laboratory hours.

EET 2142C Electronics III 4 cr.
Prerequisites: EET 1025C and ENC 1102. This course is a study of subsystems for linear/analog electronics. The subsystem classifications are amplifiers, signal controlled switches, and special functions. Topics of study involve discrete and integrated circuit types, circuit examples include amplifiers, comparators, npn switches, oscillators, voltage regulators, signal shaping and timing functions. Laboratory experimentation verifies all concepts presented. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

EET 2146C Electronics IV 4 cr.
Prerequisite: EET 2142C. This course introduces the student to the use of linear integrated circuits in design, analysis, and troubleshooting of analog circuits, functional elements, subsystems, and systems. Lab fee required (see page 17). 32 lecture hours, 64 laboratory hours.

EET 2215C Electronic Instrumentation 4 cr.
Pre or corequisite: EET 2142C. Basic concepts, theory, and operation of varied electronic test instruments are covered in this course. Topics covered include VOM, VTM, oscilloscopes, AF and RF generators, transistor testers, bridges, and various digital test instruments, including digital logic analyzers. Emphasis is placed on setup and operation of instruments in actual measuring situations. Lab fee required (see page 17). 32 lecture hours and 64 laboratory hours.

EET 2326C Electronic Communications 4 cr.
Prerequisite: EET 2142C. This course presents the communications process as a system. Topics are viewed as transmitters, receivers, and media of transfer. Specific items include the study of AM and FM radio, microwave, and laser technology principles. Laboratory work involves the verification of principles using commercial hardware. Lab fee required (see page 17). 48 lecture hours and 32 laboratory hours.

EET 2365C Fiber Optics Technology 4 cr.
Prerequisite: EET 2142C or permission of instructor. This course discusses the principles of fiber-optic transmission of signals, the types of transmitters, and the types of receivers. Within the course, fiber-optic performance and cost factors are compared to traditional transmission modes. 48 lecture hours and 32 laboratory hours.

EET 2605C Electronic Fabrication Techniques 5 cr.
Prerequisite: Consent of instructor. This course is designed to introduce the student to electronic fabricating, recording, and reporting techniques. Topics include breadboards, printed circuit boards, enclosure design/fabrication, and soldering/desoldering techniques. During the course, students are expected to use hand and power tools to complete a laboratory project. Additionally, this course introduces the student to entrepreneurship concepts. 48 lecture hours and 64 laboratory hours.

EST 2124C Robot and Numerical Control Mechanics 5 cr.
This course presents topics in the mechanics of robots and numerically controlled machines. The resolution and accuracy of open loop and closed loop positioning are covered. Degrees of freedom for machine dexterity are covered. Homing and reference points are determined for numerical controls. Tooling and locators are discussed for production robots. Position, velocity, and acceleration/deceleration characteristics are analyzed. 48 lecture hours and 64 laboratory hours.

EST 2424C Medical Electronics 4 cr.
Prerequisite: EET 2142C. This course is designed to acquaint the electronics student with the type of electronic circuits used in medical electronics equipment. Topics covered include differential and operational amplifier circuits, filters, level detectors, ECG equipment. Hands-on experience is gained through laboratory experiments. 48 lecture hours and 32 laboratory hours.

ETD 1380C CAD/CAM Drawing 3 cr.
Prerequisite: Permission of instructor. This course will present an introduction to computer-aided manufacturing (CAM) with emphasis on computer-aided design (CAD) of parts. It covers parts design, tooling overlays, assembly overlays, and parts lists. The student will use a CAD system to design a part, make a tooling overlay, and set up tooling data for a numerically controlled machine. 16 lecture hours and 64 laboratory hours.

ETD 1651C Electronics Drawing 2 cr.
This course is designed to provide the student with an introduction to and practical applications of basic drafting techniques, schematic and pictorial symbols, conversions, between pictorial diagrams and schematic diagrams, printed circuit boards, artwork and layout techniques, logic symbol, and diagram layout techniques. 8 lecture hours and 48 laboratory hours.

PHY 2001C Technical Physics for Electronics 4 cr.
Prerequisite: MAC 1114. This course teaches principles as ap-

plied to various physical energy forms. Particular emphasis is placed upon mechanics, heat, light, and sound energy systems. Energy transducers are introduced as forms of input to microcomputer control systems, medical electronics, and communication systems. Laboratory work is used to verify principles presented. 48 lecture hours and 32 laboratory hours.

Electronic Technology

EEV 0811 D.C. Circuits 5 voc. cr.
Prerequisite: MTB 0327. This course is designed to provide the student with the theoretical concepts and practical applications as related to direct current (D.C.) circuits. 150 hours of instruction.

EEV 0812 A.C. Circuits 5 voc. cr.
Prerequisite: EEV 0811. This course is designed to develop the principles of A.C. circuits in a manner that can be readily measured in the laboratory. The principles are used to construct circuit subsystems such as resonant circuits, low pass filters, high pass filters, bandpass and notch filters, attenuators, differentiators, and integrators. 150 hours of instruction.

EEV 0813 Solid State Devices 5 voc. cr.
Prerequisite: EEV 0812. This course is designed to introduce the student to diode circuitry, transistor circuitry, and various test instruments. The student will learn to analyze and troubleshoot industrial diode and transistor circuits. 150 hours of instruction.

EEV 0814 Analog Circuits 5 voc. cr.
Prerequisite: EEV 0813. This course introduces the student to analog circuits, power supply circuits, and various test instruments. The course also affords the student an opportunity to analyze and troubleshoot integrated and power supply circuits. 150 hours of instruction.

EEV 0815 Digital Fundamentals 5 voc. cr.
Prerequisite: EEV 0812. This course is designed to provide the student with the theoretical concepts and practical applications of digital circuits. Topics presented in this course are number systems, basic logic gates, flip-flops, registers and counters, memory circuits, and arithmetic logic units. 150 hours of instruction.

EEV 0816 Microprocessor Fundamentals 5 voc. cr.
Prerequisite: EEV 0815. This course provides the student with the concepts necessary to develop the architecture of a computer using digital subsystems, microprocessor instruction sets, and microprocessor programming techniques. In the course, assembly language programming is developed to study the function of the computer during the performance of normal tasks. Diagnostic techniques are introduced to analyze the computer in the failure mode. 150 hours of instruction.

EEV 0818 Instrumentation 2 voc. cr.
Instrumentation is designed to provide the student with the theories of operation to a wide range of test equipment, to their proper use, and to the proper interpretation of the instruments' indications. This information will be presented in theory and applied in the laboratory. 60 hours of instruction.

EEV 0821 Laboratory Techniques 5 voc. cr.
This course acquaints the student with Occupational Safety & Health Administration (OSHA) standards, with the proper procedures for making electrical connections, with the identification and use of hand and power tools, soldering and

desoldering techniques, and with the format for making oral and written laboratory reports. 150 hours of instruction.

EEV 0829 Employment Skills and Entrepreneurship 1 voc. cr.
This course provides students with employment and entrepreneurship skills. The employment skills presented include how to get a job, how to keep a job, and how to make job changes appropriately. The entrepreneurship concepts include the identification of needed business skills. 30 hours of instruction.

MTB 0327 Mathematics for Electronics 2 cr.
Prerequisite: Appropriate TABE score (minimum 10th-grade level in math). This course is designed to provide students with algebraic and trigonometric concepts required for the electronics courses taught in the Vocational Certificate in Electronics program. Concepts taught in this course include: sign numbers, ratio and proportions, exponents, factoring, graphing, algebraic functions, and basic mathematic skills. 60 hours of instruction.

Emergency Medical Services

EMS 1119C Emergency Medical Technology 6 cr.
This course offers an introduction to the knowledge, skills, and attitudes required in emergency medical care situations. Theory and skills are taught in conjunction with the Department of Transportation/Emergency Medical Technician course guidelines. Emergency procedures for life-threatening problems are taught, practiced, and supervised in the simulated clinical laboratory setting. Successful achievement of the American Heart Association Basic Life Support Certification must be accomplished by the end of the course or prior to clinical experiences for students concurrently enrolled in EMS 1431. Comprehensive written and skills examinations must be successfully completed at the end of the course. Lab fee required. Lab fee required (see page 17). 64 lecture hours and 64 laboratory hours.

EMS 1431 Emergency Medical Technology Clinical 1 cr.
Pre or corequisite: EMS 1119C. This course provides clinical experiences in hospital emergency rooms and on Emergency Medical Services Rescue Units. Prior to participating in the clinical experiences, students who are concurrently enrolled in EMS 1119C and EMS 1431 must be Basic Life Support Certified, must meet the age requirements of local EMS agencies, and must submit to a physical examination as required by state law. Student performance in this course is graded as "Satisfactory/Safe" or "Unsatisfactory/Unsafe." Professional Liability Insurance fee required (see page 17). 32 clinical hours.

EMS 2219C Paramedics I 8 cr.
Prerequisite: Admission to the Paramedics Certificate Program. Pre or corequisite: HSC 2531. Corequisite: EMS 2435. This course presents advanced theory and simulated clinical laboratory experience in conjunction with the Department of Transportation Advanced Training Course/Paramedic Curriculum. Lab fee and Professional Liability Insurance fee required (see page 17). 96 lecture hours and 64 simulated clinical laboratory hours.

EMS 2229C Paramedics II 8 cr.
Prerequisites: HSC 2531, EMS 2219C, and EMS 2435. Corequisite: EMS 2436. This course continues advanced theory and simulated clinical laboratory experiences in conjunction with the Department of Transportation Advanced Training Course/Paramedic Curriculum. The American Heart Association Advanced Cardiac Life Support Certification Course is presented. Successful achievement of ACLS Provider certification at the conclusion of the weekend training activity is required. Lab fee required (see page 17). 80 lecture hours and 96 simulated clinical laboratory hours.

EMS 2425 Paramedics Internship 6 cr.
Prerequisites: EMS 2229C, EMS 2436, and American Heart Association Advanced Cardiac Life Support Certification. The internship provides for supervised practice on intensive care rescue vehicles, during which a minimum of 15 ALS contacts and specific skills must be satisfied. Paramedic preceptors, faculty, and the Medical Director participate in the supervision of the student. Classroom experiences are provided for review of knowledge and skills. A final comprehensive written and skills examination must be successfully completed at the end of the course. Additional internship hours may be required to satisfy minimum ALS contacts and skills requirements. Student performance in this course is graded as "Satisfactory/Safe" or "Unsatisfactory/Unsafe." Laboratory fee required (see page 17). 32 lecture hours, 144 clinical Internship hours.

EMS 2435 Paramedics Clinical I 4 cr.
Prerequisite or corequisite: HSC 2531. Corequisite: EMS 2219C. Supervised clinical experiences are provided in hospital critical care units, electrocardiography, respiratory therapy and emergency departments, and with intravenous therapy learns and the medical directory. Student achievement in this course is graded as "Satisfactory/Safe" or "Unsatisfactory/Unsafe." This course must be taken in conjunction with EMS 2219C. 128 clinical hours.

EMS 2438 Paramedics Clinical II 8 cr.
Prerequisites: EMS 2435 and HSC 2531. Corequisite: EMS 2229C. Supervised clinical experiences are broadened and extended to include Advanced Life Support Rescue Units. Hospital experiences are extended to include the operating room and labor and delivery rooms, and the morgue. Pediatric experiences are provided. Supervised experiences are provided with the medical director in the emergency room. Student achievement in this course is graded as "Satisfactory/Safe" or "Unsatisfactory/Unsafe." This course must be taken in conjunction with EMS 2229C. 256 clinical hours.

HSC 2531 Medical Terminology I 3 cr.
This course is directed toward the learning of medical terminology needs for medical personnel, medical secretaries, technicians, or any other persons interested in related medical fields. The learning of the medical language will be organized according to the body systems and will include the fundamental understanding of the anatomy, physiology, and disease process of each system to include basic word structure, analysis of a medical paper, terms pertaining to the body, suffixes and prefixes, digestive system, urinary system, nervous system, cardiovascular system, respiratory system, and the musculoskeletal system. 48 class hours.

HSC 2532 Medical Terminology II 3 cr.
Prerequisite: HSC 2531. This course is a continuation of HSC 2531, to include male and female reproductive systems, blood and lymphatic systems, skin, sense organs, the endocrine system, cancer medicine, radiology and nuclear medicine, pharmacology, and psychiatry. 48 class hours.

English

AML 2010 American Literature I 3 cr.
Prerequisite: ENC 1101 or consent of instructor. A critical study of selections from American literature: colonial period to the late 19th Century, including the study of such authors as Franklin, Poe, Emerson, Thoreau, Hawthorne, Melville, and Whitman. 48 class hours.

AML 2022 American Literature II 3 cr.
Prerequisite: ENC 1101 or consent of instructor. A survey of the major movements and representative authors in American literature: 1865 through the Twentieth Century, including the study of such authors as Dickinson, Mark Twain, Crane, Frost, Fitzgerald, Hemingway, and Faulkner. 48 class hours.

CRW 2000 Creative Writing 3 cr.
Prerequisite: ENC 1101 or consent of instructor. Students have the opportunity to experiment with various forms of writing, such as the short story, poetry, essays, and magazine articles. Discussion of the student's work and analysis of contemporary fiction is included. 48 class hours.

***ENC 0010 Fundamentals of Writing** 4 cr.
See College Preparatory Courses.

***ENC 0080 Basic Grammar** 4 cr.
See College Preparatory Courses.

ENC 1101 English Composition I 3 cr.
This course is designed to develop effective written communication skills for academic and professional use. It includes practice in the selection, restriction, organization, and development of topics and reinforces the student's facility with sentence structure, diction, and mechanics. Selected writing samples are examined as models of form and as sources of ideas for the student's own writing. Conferences provide individual instruction. This course requires written compositions totaling at least 6,000 words. If used to meet the requirements of the AA Degree or an AS Degree, a grade of "C" must be attained. 48 class hours.

ENC 1102 English Composition II 3 cr.
Prerequisite: ENC 1101 (Completed with a grade of "C" or higher). This course provides further instruction in the planning, organization, and writing of expository papers. It stresses methods of library research and effective and appropriate writing style. The readings include selections from literature to stimulate writing. This course requires written compositions totaling at least 6,000 words. If used to meet the requirements of the AA Degree or an AS Degree, a grade of "C" must be attained. 48 class hours.

ENL 2013 British Literature I 3 cr.
Prerequisite: ENC 1101 or consent of instructor. An introduction to the main literary traditions from Beowulf through the Restoration and Eighteenth Century. A study of the best and most characteristic writing of these periods, including such authors as Chaucer, Shakespeare, Donne, Johnson, Milton, Pepys, Defoe, Swift, and Goldsmith. 48 class hours.

ENL 2023 British Literature II 3 cr.
Prerequisite: ENC 1101 or consent of instructor. A continuation of the study of British Literature, covering the Nineteenth and Twentieth centuries in the context of the history and society of the times. 48 class hours.

JOU 2100 Journalistic Writing and Reporting 3 cr.
Prerequisite: ENC 1101 or consent of instructor. An intro-

duction to the profession of journalism and to the theory and practice of writing news. Students are given practical experience in gathering news and writing and copyreading both news and feature stories. 48 class hours.

OST 2335 Business Communications 3 cr.
See Business.

***REA 0001 Basic Reading** 4 cr.
See College Preparatory Courses.

***REA 0002 Fundamentals of Reading** 4 cr.
See College Preparatory Courses.

REA 1105 College Reading Techniques 3 cr.
See Reading.

Environmental Science

EVS 0229 Wastewater Plant Operation
Level "C" Certificate—4 voc. cr.
This program is designed to prepare students for initial employment as sewage plant operators. Students who complete the program successfully are eligible for certification as Level "C" Wastewater Treatment Plant Operators. 120 clock hours.

EVS 0249 Water Treatment Plant Operation
Level "C" Certificate—4 voc. cr.
This program is designed to prepare students for employment as water treatment plant operators. Students who complete the program successfully are eligible for certification as Level "C" Water Treatment Plant Operators. 120 clock hours.

GLY 2155 Geology and Environment of Florida 3 cr.
A course designed to investigate the geologic history and development of rocks, structures, physiography, and mineral resources of Florida. 48 class hours.

Fire Science Technology

FFP 0005 Firefighting Certificate—10 voc. cr.
The purpose of this program is to prepare students for employment as firefighters. The program prepares students for certification as a firefighter in accordance with Florida Statutes. Lab fee required (see page 17). 300 hours of instruction.

FFP 0081 Volunteer Fire Fighting Certificate—2 voc. cr.
The purpose of this program is to prepare students for non-paid employment as volunteer firefighters. This course meets the requirements of the State Fire Marshal Standards and Training Commission. 60 clock hours.

FFP 1000 Introduction to Fire Science 3 cr.
This course will cover various aspects of fire science and related fields. The history and philosophy of fire science will be covered along with the organization, purpose, and functions of fire departments, and other agencies involved in firefighting and fire prevention. This course will also survey professional fire protection career opportunities. 48 class hours.

FFP 1110 Fire Company Management 3 cr.
This course will cover the concepts of fire company management as they pertain to fire science. Emphasis will be placed on development of the fire officer in maintaining discipline and morale; supervising a fire company; and good public relations, including reports, training, company fire inspections, and pre-fire planning. 48 class hours.

FFP 1130 Fire Company Leadership 3 cr.
This course will cover the basic concepts of fire company leadership as they pertain to fire science. Emphasis will be placed on leadership as it pertains to discipline, human relations, order giving, supervision, problem solving, and goal achievement of a fire company officer. 48 class hours.

FFP 1150 Methods and Techniques of Fire Science Instruction 3 cr.
This course will cover the modern methods and techniques of instruction for fire science. Various methods of teaching will be discussed and demonstrated with emphasis placed on objective writing, lesson planning, evaluation techniques, use of instructional aids, and oral communications. 48 class hours.

FFP 1200 Introduction to Fire Inspection and Prevention 3 cr.
This course will cover the various aspects of prevention and inspection as they relate to fire science and the fire inspector. The purpose and scope of the fire inspector will be outlined and discussed along with the fire prevention bureau, inspecting agencies, fire hazards, inspection techniques, and special purpose inspections. 48 class hours.

FFP 1240 Fire Detection and Investigation 3 cr.
This course will cover the principles of determining the point of origin and the cause of fire as well as the methods of recognizing fires of suspicious origin. The origin of known fire causes will be studied to enable the fire investigator to complete a more thorough investigation. The topics of preliminary investigations and the preservation of evidence will also be covered. 48 class hours.

FFP 1292 Fire Inspection — Health & Rehabilitative Services Inspection (HRS) 3 cr.
Prerequisites: FFP 1200, FFP 1620, FFP 1300, FFP 1326, and FFP 1240. This course deals with the life safety code, State Fire Marshal's regulations and HRS regulations, as they apply to Health & Rehabilitative Services offices, buildings and programs. This course will, upon successful completion, qualify the student to take the State Certification Exam for HRS Inspection. 48 class hours.

FFP 1293 Fire Inspection — Department of Education Inspection (DOE) 3 cr.
Prerequisites: FFP 1200, FFP 1620, FFP 1300, FFP 1326, and FFP 1240. This course deals with the life safety code, State Fire Marshal's regulations and DOE regulations as they apply to Department of Education offices and buildings. This course will, upon successful completion, qualify the student to take the State Certification Exam for DOE Inspection. 48 class hours.

FFP 1300 Building Construction and Codes 3 cr.
This course will cover the various types of building construction and renovation practices, along with their relationship to fire and firefighting. The different building codes used in the United States will be examined. Emphasis will be placed on methods of evaluating the potential dangers to the firefighting forces as a result of the type of construction or methods of renovation. 48 class hours.

FFP 1326 Blueprint Reading & Plans Examination 3 cr.
Prerequisite: FFP 1300. This course will cover the various aspects of blueprint reading and plans examination by dealing with standard signs and symbols used on prints. The history of print development will be discussed, along with the

different styles used by architects and engineers. Special attention will be paid to those sections of the plans dealing with fire prevention and protection. 48 class hours.

FFP 1410 Firefighting Tactics and Strategy I 3 cr.

This course will cover the basic concepts involved in firefighting. The topics will include: fire behavior; firefighting fundamentals; and principles of extinguishment, along with the utilization of proper size-up and the beneficial use of firefighters and firefighting equipment. Pre-planning and its benefits will also be discussed. 48 class hours.

FFP 1420 Firefighting Tactics and Strategy II 3 cr.

Prerequisite: FFP 1410. This course will cover advanced tactics and strategy to be used at a major or unusually difficult fire scene. The principles to be utilized on the fire ground for maximum manpower and equipment use will be studied, along with fire ground administration for all types of fire and emergency situations. Emphasis will be placed on developing skills required to be used during crisis situations. 48 class hours.

FFP 1620 Private Fire Protection Systems 3 cr.

This course will cover the various privately owned devices and equipment installed in buildings or on property to deal with the outbreak of fire before the arrival of the fire department. The course will outline and discuss sprinkler systems, standpipe systems, special agent fixed extinguishing systems, along with fire detection and alarm systems. 48 class hours.

FFP 2500 Hazardous Materials 3 cr.

This course will cover the characteristics, transportation, and storage hazards of flammable and combustible solids, liquids, and gases. Emphasis will be placed on the Department of Transportation and National Fire Protection Association Systems for marking, control, and extinguishment of hazardous materials during thermal destruction. Additionally, the course will explore the National Chemical Registry Point and Information Center System. 48 lecture hours.

FFP 2600 Fire Apparatus Practices 3 cr.

This course is designed as a Pump Operator's class. It will cover driving techniques, construction and maintenance of fire apparatus, operation of pumping engines, fire ground hydraulics, and vehicle safety. 32 lecture hours and 32 laboratory hours.

French

FRE 1120 Beginning French I 4 cr.

The purposes of this course are to introduce students to the four skills (listening, speaking, reading and writing) of the target language, and to encourage students to appreciate the cultural contributions of the countries where the language is spoken. 48 lecture hours and 32 laboratory hours.

FRE 1121 Beginning French II 4 cr.

Prerequisite: FRE 1120 or consent of instructor. The purpose of this course is to reinforce the basic skills previously acquired by students. This course develops increased listening, speaking, reading, and writing skills, as well as grammar knowledge and cultural awareness. 48 lecture hours and 32 laboratory hours.

FRE 2200 Intermediate French I 4 cr.

Prerequisites: FRE 1121, two years of high school French, or their equivalent. This course will provide an advanced level of communication skills for students who have successfully completed FRE 1121 or its equivalent. Reading, writing, speak-

ing, and listening skills on an advanced level will be stressed. 48 lecture hours and 32 laboratory hours.

FRE 2201 Intermediate French II 4 cr.

Prerequisite: FRE 2200. A further development of communication skills with continued emphasis on oral communication through speaking and listening exercises. Reading in contemporary French prose, including authors from André Gide to Alain Robbe-Grillet will be included. 48 lecture hours and 32 laboratory hours.

Geography

GEA 2000 World Regional Geography 3 cr.

A regional study of the relationship between humans and their natural environment, with particular emphasis on the economic development of the countries of the world. Topics to be explored include population characteristics, natural resources, culture, and history as they relate to the economic state of the nations of the world today. 48 class hours.

GEA 2200 Geography of North America 3 cr.

A regional study of the physical and natural environment of North America, with particular emphasis on human activities from an ecological perspective. 48 class hours.

Health

CPT 0994 Electrocardiograph Technology Certificate - 20 voc. cr.

The purpose of this program is to prepare students for employment as electrocardiograph (EKG) technicians. This course includes: medical terminology; CPR; overview of human anatomy/physiology, with emphasis on cardiac/vascular systems; EKG interpretations; and monitoring skills. Lab fee and professional liability insurance fee required (see page 17). 600 clock hours.

HCP 0100 Nursing Assistant/Geriatric and Rehabilitative Aide Certificate - 7 voc. cr.

This program is designed to prepare students for employment as nursing assistants/nurse aides in nursing homes. Successful completion of the program prepares the student for certification for employment as a Nursing Assistant in a nursing home in accordance with Florida Statutes. Professional liability insurance required (see page 17). 210 hours of instruction.

HCP 0600 Patient Care Assistant Certificate - 12 voc. cr.

This program is designed to fulfill the clinical and instructional components of an approved Nursing Assistant Program. Students who successfully complete this program are eligible to write the Florida Nursing Assistant Examination. Lab fee and professional liability insurance fee required (see page 17). 360 clock hours.

HSC 1100 Personal and Community Health 3 cr.

A study of health problems which are of major importance to our society. Emphasis is placed on the general principles involved in our present understanding of health-related areas. 48 class hours.

HSC 1400 Standard First Aid and Personal Safety 1 cr.

A course dealing with first aid skills to be used in the treatment of injuries in an emergency. Students successfully meeting the requirements of this course with a grade of "C" or better will be issued the American Red Cross Standard Certificate. 8 lecture hours and 24 laboratory hours.

**HSC 1402 Advanced First Aid and
Emergency Care** 3 cr.

Designed to meet the needs of individuals or groups who are in a position to provide first aid emergency care frequently. It provides the essential knowledge and skills needed to develop functional first aid capabilities. 32 lecture hours and 32 laboratory hours.

HSC 2531 Medical Terminology I 3 cr.
See Emergency Medical Services.

HSC 2532 Medical Terminology II 3 cr.
See Emergency Medical Services.

**MLS 0042 Phlebotomy
Technician** Certificate – 6 voc. cr.

The purpose of this program is to prepare students for employment as blood bank or plasma center donor screeners or as phlebotomists. Professional liability insurance fee required (see page 17). 180 clock hours.

**MTS 0990 Medical Records
Transcribing** Certificate – 14 voc. cr.

This program is designed to prepare students for employment as health records technicians or medical records specialists. It prepares the graduate to take the national exam to practice as a Certified Medical Records Transcriptionist. Professional liability insurance fee required (see page 17). 420 clock hours.

**OFT 0506 Medical Office
Assistant** Certificate – 15 voc. cr.
See Business course listings.

**WCL 0997 Health Unit
Coordinator** Certificate – 15 voc. cr.

This program is designed to prepare students for employment as health unit coordinators. Some of the skills included in the program are interpreting medical terminology, performing clerical duties, reading, interpreting, and transcribing physicians' orders, legal and ethical responsibilities, and performing supervised clinical duties. Professional liability insurance fee required (see page 17). 450 clock hours.

Heavy Duty Truck and Bus Mechanics

**DIM 0801 Heavy Duty Truck and
Bus Mechanics I** 6 voc. cr.

This course teaches the application of safety practices, the identification and use of tools and equipment, basic math skills, the metric system, engine performance and cycles, the use of parts and service manuals, electric and oxyacetylene welding skills, the identification and use of fasteners, the identification and use of bearings and seals, engine oils, and diesel fuels. 180 hours of instruction.

**DIM 0802 Heavy Duty Truck and
Bus Mechanics II** 6 voc. cr.

Prerequisite: DIM 0801. This course teaches the student about air induction systems, exhaust systems, coolants and cooling systems, crankshafts and connecting rods, pistons, rings and cylinder liners, cylinder heads, valves and valve trains, cylinder blocks and camshafts, flywheels, housings, engine retarders, fuel injection systems, governors, emission controls, tune-up, break-in operation, engine troubleshooting, lubrication systems, and filters. 180 hours of instruction.

**DIM 0803 Heavy Duty Truck and
Bus Mechanics III** 6 voc. cr.

Prerequisite: DIM 0802. This course provides a study of the principles of electricity, magnetism, D.C. charging systems, D.C. motors, voltage regulation, applications of A.C. current, A.C. motors, A.C. charging systems, wiring diagrams, electrical symbols, identification of components, engine instruments, ignition systems, storage batteries, starting systems, and cold weather starting aids. 180 hours of instruction.

**DIM 0804 Heavy Duty Truck and
Bus Mechanics IV** 6 voc. cr.

Pre or corequisite: DIM 0803. In this course, the following topics are studied: front and rear axle suspensions, wheels, bearings, hubs, seals, tires, conventional and hydraulic steering systems, air and hydraulic brakes, differentials, drive lines, standard and automatic transmissions, and clutches. 180 hours of instruction.

**DIM 0805 Heavy Duty Truck and
Bus Mechanics V** 7 voc. cr.

Prerequisite: DIM 0804. In this course, the following topics are taught: hydraulic systems, hydraulic circuits, hydraulic fluid, filters, lines, reservoirs, pumps, motors, control valves, and actuating cylinders. Vehicle air conditioning and transport refrigeration, heaters, and fan clutches are also covered. 210 hours of instruction.

**DIM 0806 Heavy Duty Truck and
Bus Review** 3 voc. cr.

Prerequisite: Consent of instructor. This course offers a review of any subject offered in DIM 0801 through DIM 0805, with the same objectives and proficiency. It is intended for the advanced student who needs accelerated instruction. The instructor, in conference with the student, will determine which competencies will be reviewed during the course. The course may be taken for credit up to four times. 90 hours of instruction.

History

AMH 2010 History of the United States I 3 cr.

United States history to 1865 emphasizing the European background, Revolution, Articles of Confederation, the Constitution, problems of the new republic, sectionalism, manifest destiny, slavery, and the War Between the States. 48 class hours.

AMH 2020 History of the United States II 3 cr.

A history of the United States from 1865 to the present. Includes the Reconstruction, growth of big business, the agrarian revolt, Latin American affairs, the Progressive Movement, the First World War, and political, economic and world affairs since World War II. 48 class hours.

AMH 2070 History of Florida 3 cr.

This course begins with the influence of geography on early Native American cultures of the region. The economic, social, and political background of Florida is developed chronologically, from discovery settlements and colonization to United States acquisition and the Territorial Experience concluding with statehood. 48 class hours.

AMH 2091 Black American History 3 cr.
A survey of the social and cultural development of Black Americans in the United States. Consideration is given in this course to the African background, slavery, reconstruction, and Twentieth Century developments up to the present. 48 class hours.

EUH 1000 Western Civilization I 3 cr.
The origins and development of western civilization, beginning with the classical civilizations of the ancient world and dealing with the contributions of each major historical group until the emergence of modern Europe in the commercial revolution of the Sixteenth Century. The emphases are upon social, economic, and cultural trends of each period. 48 class hours.

EUH 1001 Western Civilization II 3 cr.
The evolution of modern western civilization since the commercial revolution of the Sixteenth Century. This course covers the period of colonization, the industrial revolution, and the emergence of modern national states extending to the present. The emphases are upon social, economic, and cultural developments. 48 class hours.

Hospitality Management

FOS 2201 Food Service Sanitation and Safety 3 cr.
A study of the agents that cause foodborne illness and how foods become contaminated with them. The principles of sanitary food handling and the necessity of maintaining safe and sanitary facilities for the well being of the consumer as well as the employee are emphasized. 48 class hours.

FSS 1004 Introduction to Food Service 3 cr.
A general course intended to familiarize the student with all aspects of the food service industry. Basic functions and principles common to all types of food service are explored. Field trips and guest lectures representative of local food service establishments will be included. 48 class hours.

FSS 1202C Basic Food Preparation 4 cr.
A lecture, demonstration, and laboratory course in principles of food preparation. All general categories are included, with emphasis on standards of quality preparation and service. 32 lecture hours and 64 laboratory hours.

FSS 1401 Food Service Equipment 3 cr.
A study is made of all types of quantity food service equipment as well as functional layout and design of quantity food service kitchens and service areas. Field trips to a variety of local establishments are included. 48 class hours.

FSS 1500 Food Accounting and Cost Control 3 cr.
Prerequisite: MAT 0003 or appropriate MAPS score. The study of the policies, procedures, and computations involved in the food service industry and the methods used for controlling food, beverage, labor, and other costs. 48 class hours.

FSS 1940 Culinary Arts and Hospitality Management Practicum I 3 cr.
Prerequisites: FSS 1004, FSS 1202C, FSS 1401, and FOS 2201, completed physical examination and student accident insurance coverage as required by Practicum Facility. The student must be at least 18 years of age before enrolling in this course. The course involves practical work experiences,

related to the Culinary Arts and Hospitality Management curriculum. Physical examination and insurance costs are the student's responsibility and are not included in the fee structure of the college.

FSS 1941 Culinary Arts and Hospitality Management Practicum II 3 cr.
Prerequisites: FSS 1940 and FSS 2610. A continuation of FSS 1940.

FSS 1942 Culinary Arts and Hospitality Management Practicum III 4 cr.
Prerequisites: FSS 1941, FSS 1500, FSS 2120, and FSS 2300. A continuation of FSS 1941.

FSS 2120 Food Purchasing and Storage 3 cr.
A study of purchasing principles, procedures, and policies in quantity food service operations; includes proper procedures for receiving, storing, and issuing food, beverages, and other supplies. 48 class hours.

FSS 2221C Quantity Food Preparation 4 cr.
Prerequisite: FSS 1202C and FSS 1401. A course consisting of lecture, demonstration, and experience in the principles of preparation of food in quantity. Quality standards in preparation and service, use of standardized recipes, and portion control are included. 32 lecture hours and 64 laboratory hours.

FSS 2300 Food Service Supervision and Management 3 cr.
A study of the principles of management, particularly as they apply to the food service industry. Students will explore the role of the supervisor or manager in organizing and directing the work of employees and the responsibility for planning and coordinating their activities. Students will find it helpful if they have completed MNA 2300 and ENH 1102 prior to taking this course. 48 class hours.

FSS 2610 Food Merchandising 3 cr.
A study of proper food merchandising methods, food display techniques, effective menu presentations, promotional programs, public relations, and effective atmosphere. 48 class hours.

HUN 1001 Nutrition 3 cr.
This course presents the concepts of nutrition, including the six major classes of nutrients, their digestion, and utilization by the body. Investigation of controversies in nutrition and guidelines for planning nutritionally adequate meals are included. 48 class hours.

Humanities

HUM 2211 Humanities I 3 cr.
Prerequisite: ENC 1102 (completed with a grade of "C" or higher). A study of the ideas and ideals which characterize the moral, intellectual, and aesthetic activities of the early Western Civilization: Ancient Greece and Rome, the formative period of the Judeo-Christian Tradition, and the European Middle Ages. Emphasis is placed upon speculative and creative nature as it is reflected in literature, art, music, philosophy, religion, and drama. This course requires written compositions totaling at least 6,000 words. If used to meet the requirements of the AA Degree, a grade of "C" must be attained. 48 class hours.

HUM 2230 Humanities II 3 cr.
Prerequisite: HUM 2211 (completed with a grade of "C" or higher). A study of the culture of Western Man from the

Renaissance to the present. This course requires written compositions totaling at least 6,000 words. If used to meet the requirements of the AA Degree, a grade of "C" must be attained. 48 class hours.

Human Services

GEY 2000 Introduction to Gerontology 3 cr.
This course offers an overview of the effects of aging and the aged on our society. It is designed for students with a personal or professional interest in acquiring broad-based knowledge and understanding of the aging process and the aged both as individuals and as a group. Topics include: physical and psychological aspects of aging, health and mental health issues, institutionalization, retirement, finances, recreation and leisure, death, dying, bereavement, and personal adaptations of aging. Practical information on services available to the aged through social agencies, government programs, and national organizations will be presented, along with information regarding employment possibilities in the field of gerontology. 48 class hours.

HUS 1001 Introduction to Human Services 3 cr.
This course provides an overview of agency resources, functions, methods, and activities related to human services, theory and methods of intervention with individuals, groups, and the family. The course stresses the development of individual skills and practices in human services. Extensive use will be made of guest speakers who represent community agencies and field trips to such agencies. 48 class hours.

HUS 1110 Basic Counseling Skills 3 cr.
Prerequisite: HUS 1001 or PSY 1012. This course involves developing the skills of observation, recording, reporting, interviewing, and counseling. These skills are presented in the context of general counseling theory. 48 class hours.

HUS 2520 Current Issues In Mental Health 3 cr.
Prerequisite: HUS 1110 or consent of instructor. This course offers an overview of major mental health disorders with emphasis on their attendant behaviors. The course emphasizes appropriate interaction between the health worker and the client as well as effects of mental disorders on the family and community. Issues involving deinstitutionalization and case management are included. 48 class hours.

HUS 2531 Substance Abuse Counseling 3 cr.
Prerequisite: HUS 1110 or consent of instructor. This course is designed to prepare the human service worker to function in a variety of settings in which substance use/abuse is an issue. Content emphasized includes causes of abuse, nature of dependency, pharmacology, and effects of abuse on the individual, family and community. Techniques of detection and intervention are presented and practiced in the classroom. Treatment modalities are discussed. 48 class hours.

HUS 2940 Field Experience in Human Services 3 cr.
Prerequisites: HUS 1001 and HUS 1110 or consent of instructor. This is a Practicum course which requires a minimum of 117 hours. Students will be under supervision as human service workers in community agencies in the field. Regular meetings are held with the instructor. A special fee is required (see page 17).

Interdisciplinary

IDS 1190 Ascent of Man 3 cr.
This course focuses on the historical development of scientific achievements and the impact of these on human progress throughout the ages. Relates to the advancement of human ideas in relationship to the natural forces of the universe and the continuing emergence of civilization. (Equivalent to 48 class hours)

SLS 1211 Individual Discovery 3 cr.
This course assists students to learn more about themselves and their relationships with other people. This is accomplished through experiences that deal with personal growth and group developmental activities that place emphasis on the defining of individual goals and interests. 48 class hours.

SLS 1501 College Survival Skills 3 cr.
This course is designed to help the student develop more effective and efficient study skills and attitudes necessary to be successful in college. Emphasis is placed on major study aids, lecture listening skills, note-taking, reading techniques, test-taking strategies, and preparing reports. 48 class hours.

Landscape Operations

AGG 0473 Introduction to Plant Growing Media 3 voc. cr.
An introduction to plant growing media including types of soils, water, drainage, potting materials, and mixtures in container production. Fertilizer materials and formulas and their relation to plants and soil are included. 90 hours of instruction.

IPM 0631 Ornamental Plant Pest Control 3 voc. cr.
Identifying and controlling diseases, insects, and other pests of ornamental plants and landscape trees are included. Application and safety precautions of horticultural chemicals are emphasized. 90 hours of instruction.

ORH 0000 Introduction to Ornamental Horticulture 3 voc. cr.
An overview of the horticulture industry with particular emphasis in the ornamental segment. An introduction to plant parts, their functions, and growth requirements. 90 hours of instruction.

ORH 0021 Ornamental Plant Propagation 3 voc. cr.
The methods of plant propagation, including sexual and asexual reproduction, are emphasized. Seeding, transplanting, seedling care, and production of ornamentals, flowers, citrus, and landscape trees are included. 90 hours of instruction.

ORH 0220 Introduction to Lawns and Lawn Care 3 voc. cr.
An introduction to establishing and caring for lawns and other turf grasses. Selection, establishment methods, and maintenance of grasses are included. 90 hours of instruction.

ORH 0251 Nursery Garden Center Operation 2 voc. cr.
An introduction to the ornamental nursery business. Nursery location, layout and design, and stock inventory and control are emphasized. 60 hours of instruction.

ORH 0252 Nursery Design and Operation 2 voc. cr.
Prerequisite: Consent of instructor. Constructing, maintaining,

and operating greenhouses and shadehouses are included. Merchandising plants and supplies and customer service are emphasized. 60 hours of instruction.

ORH 0260 Greenhouse Operations 2 voc. cr.
Various kinds of greenhouses and shadehouses are included. Plant production in the greenhouse/shadehouse is emphasized. 60 hours of instruction

ORH 0273 Specialty Nursery Operations 2 voc. cr.
An introduction to specialty plants including foliage, flowering plants, and pruning plant styles. An in-depth study of various plants and their production is emphasized. 60 hours of instruction.

ORH 0510 Identification of Ornamental Plants 3 voc. cr.
An introduction to plant classification, selection, and identification. Identification of the common landscape plants of Florida is emphasized. 90 hours of instruction.

ORH 0800 Landscaping and Design 3 voc. cr.
An introduction to home and commercial landscaping. The basic principles of landscape design and the development of a landscape plan are included. 90 hours of instruction.

ORH 0806 Landscape Installation and Maintenance 3 voc. cr.
Prerequisite: Consent of instructor. A continuation of ORH 0800. Advanced landscape plans are included. 90 hours of instruction.

ORV 0150 Floral Design and Marketing Certificate—7 voc. cr.
This program is designed to develop the fundamental competencies necessary for employment in the floral design and marketing industry. Topics include: introduction to the floral industry, human relations skills that are vital to the field, communication, and employability skills. 450 clock hours.

Library Science

EDG 1315 Preparation of Instructional Materials 3 cr.
See Education.

LIS 1702 Learning Resource Equipment 3 cr.
A study of the day-to-day uses, operation, and general maintenance of school learning resource center equipment. Topics include: motion picture projectors, slide and filmstrip projectors, overhead and opaque projectors, tape recorders, record players, cameras, and duplicating equipment. 48 class hours.

VIC 1300 Multi-Media 3 cr.
This course provides the student with the knowledge and opportunity to conceive and develop a synchronized sound/slide presentation combining photographic, art, music, and audio skills. Students will be required to purchase consumable materials. 48 class hours.

Mathematics

MAC 1104 College Algebra 4 cr.
Prerequisites: Two years of high school algebra or MAT 1033 (completed with a grade of "C" or higher.) A study of the tech-

niques of algebra. An analysis of the real number system is introduced. Topics include: factoring, exponents and radicals, linear and quadratic equations, inequalities and functions, systems of equations, matrices, and determinants. If used to meet the requirements of the AA Degree, a grade of "C" must be obtained. 64 class hours.

MAC 1114 Trigonometry 3 cr.
Prerequisite: MAC 1104 (completed with a grade of "C" or higher), 2½ years of high school algebra, or two years of high school algebra and one year of plane geometry. This course offers a study of trigonometry with emphasis on the definitions and properties of the trigonometric functions as functions of a real variable. Topics include: circular functions, inverse functions, identities, trigonometric equations, and solutions of triangles. If used to meet requirements of the AA Degree, a grade of "C" must be obtained. 48 class hours.

MAC 2311 Calculus and Analytic Geometry I 4 cr.
Prerequisites: MAC 1104 (completed with a grade of "C" or higher) and MAC 1114 (completed with a grade of "C" or higher). This course emphasizes the line, inequalities, limits, and continuity, derivatives, and the differential. If used to meet requirements of the AA Degree, a grade of "C" must be obtained. 64 class hours.

MAC 2312 Calculus and Analytic Geometry II 4 cr.
Prerequisite: MAC 2311 (completed with a grade of "C" or higher). Topics include: the definite integral; applications, differentiation and integration of the logarithmic, exponential, trigonometric and hyperbolic functions; and techniques of integration. If used to meet requirements of the AA Degree, a grade of "C" must be obtained. 64 class hours.

MAC 2313 Calculus and Analytic Geometry III 4 cr.
Prerequisite: MAC 2312 (completed with a grade of "C" or higher). Topics include: applications of integration, polar coordinates, conic sections, indeterminate forms, improper integrals, Taylor's Formula, and infinite series. If used to meet requirements of the AA Degree, a grade of "C" must be obtained. 64 class hours.

***MAT 0002 Basic Arithmetic** 4 cr.
See College Preparatory Courses

***MAT 0003 Fundamentals of Mathematics** 4 cr.
See College Preparatory Courses.

***MAT 0024 Elementary Algebra** 4 cr.
See College Preparatory Courses.

MAT 1033 Intermediate Algebra 4 cr.
Prerequisite: One year of high school algebra or MAT 0024. This course is designed to prepare students who wish to enter MAC 1104 but who have an inadequate or antiquated background in high school algebra. Topics include an introduction to the mathematics of sets; the complex number system; linear, fractional, radical, and quadratic equations; and inequalities, relations, and functions and their graphical representations. 64 class hours.

MGF 1113 College Mathematics I 3 cr.
Prerequisite: Two years of high school mathematics. This course has an emphasis on general concepts. Among the topics included are sets, logic, mathematical systems, sets of numbers, and systems of numeration. 48 class hours.

MGF 1114 College Mathematics II 3 cr.
Prerequisite: MGF 1113. This is an extension of MGF 1113. Among the topics included are: introductory algebra, probability, statistics, and geometry. 48 class hours.

MGF 1202 Finite Mathematics 4 cr.
Prerequisite: Two years of high school algebra or MAT 1033 (completed with a grade of "C" or higher). Topics include set theory, logic, mathematical systems, systems of numeration, probability, statistics, geometry, and computer mathematics. If used to meet the requirements of the AA Degree, a grade of "C" must be obtained. 64 class hours.

MTB 0327 Mathematics for Electronics 2 voc. cr.
See Electronics Technology Courses.

MTB 1013 Introduction to Technical Mathematics 3 cr.
A review of basic mathematics with applications. Does not substitute for any required courses in any Electronics Engineering Technology program. 48 class hours.

MTB 1321 Technical Mathematics I 3 cr.
Prerequisite: One year of high school algebra or MTB 1013. A study of practical algebra with topics which include: linear equations, exponents, complex numbers, quadratic equations, and logarithmic functions. 48 class hours.

MTB 1322 Technical Mathematics II 3 cr.
Prerequisite: MTB 1321. A study of trigonometry and geometry with practical applications. 48 class hours.

MTB 2370 Applied Mathematics for Allied Health 1 cr.
Prerequisite: Appropriate MAPS Test score. This course was designed to familiarize students with systems of measurement and their interrelationships. Topics discussed in this course include metric units of measurement, apothecary units of measurement, household units of measurement, and medication measurements. 16 class hours.

QMB 1001 Business Mathematics 3 cr.
See Business.

STA 2014 Applied Statistics 4 cr.
Prerequisite: MGF 1202 (completed with a grade of "C" or higher), two years of high school algebra or MAT 1033 (completed with a grade of "C" or higher). A study of fundamental statistical methods, including the basic concepts of probability, the basic statistical distributions, measures of central tendency and dispersion, sampling techniques, and Student's "t" distribution. If used to meet requirements of the AA Degree, a grade of "C" must be obtained. 64 class hours.

Military Science

MIS 1010 Introduction to Military Science 3 cr.
This course covers the history and organization of the Reserve Officers' Training Corps (ROTC) and its mission in support of U.S. national defense policies. Strong emphasis is placed on the relation of the U.S. defense establishment to the federal government, and extensive discussion of contemporary military/political issues is conducted. The course also focuses on an understanding of individual and group motivation and behavior, human relations, and the role of the leader in influencing subordinates. 48 class hours.

MIS 1110 War and Peace 3 cr.
An historical survey course covering the period from the ancient to the modern world. Primary attention will be focused on American military history; however, Roman military strategy, warfare in the Middle Ages, and the Napoleonic Wars will be included. 48 class hours.

MIS 1400 Fundamentals of Leadership 3 cr.
An examination of the dual role of the military officer as a leader and a manager, including an in-depth consideration of the problems of military leadership in the modern volunteer Army. Leadership seminars on the problems of small-unit leaders give students an opportunity to demonstrate their understanding of leadership traits and principles. The importance of individual research and effective oral and written communication are stressed. Students are given the opportunity to prepare and present classes on the role of officers in the various branches of the Army. 48 class hours.

MIS 1405 Requirements of Military Leadership 3 cr.
Prerequisites: MIS 1010 and MIS 1400. Basic knowledge of the demands placed on commissioned officers in the United States Army, including a review of the basic military skills essential to success at R.O.T.C. Advanced Camp. 48 class hours.

MIS 1410 Seminar in Leadership and Management 3 cr.
A thorough consideration of the obligations and responsibilities of a commissioned officer, to include: management of personal affairs and responsibility for the numerous facets of management and administration essential to mission accomplishment; continued emphasis on the techniques of applying sound leadership to all situations, the Uniform Code of Military Justice as it relates to civil practice, with emphasis on those aspects most likely to be encountered by newly-commissioned officers; fundamentals of both offensive and defensive tactics and the roles played in tactical operations by the various branches of the Army; and the role of the United States in world affairs in the 1960's. 48 class hours.



Music

Students are advised that course selections in the area of performing arts are not automatically transferable; students will, therefore, need to consult the receiving institution to determine the transferability of performing arts credits.

Applied Music I — Preparatory 1 cr.

Prerequisite: Consent of instructor. Private instruction in voice, piano, guitar, organ, woodwind, string, brass, and percussion instruments designed to cultivate in the student the ability to perform representative solo repertoire. Preparatory students are students who seek to learn performance skills for personal enrichment as well as those students whose performance level on entrance is below freshman music major level. Placement will be determined by audition prior to enrollment. Credit for this course will not count toward principal instrument requirements for those students who will be transferring to a four-year college. Voice and piano students must enroll for Repertoire Study in the same semester as Applied Music. Special fee \$90. One one-half-hour private lesson per week. Attendance to and/or performance in a recital each semester may be required. 8 laboratory hours.

MVB 1011A	Trumpet	MVS 1013A	Cello
MVB 1012A	Horn	MVS 1014A	String Bass
MVB 1013A	Trombone	MVS 1015A	Harp
MVB 1014A	Baritone Horn	MVS 1016A	Guitar
MVB 1015A	Tuba	MVV 1011A	Voice
MVK 1011A	Piano	MVW 1011A	Flute
MVK 1013A	Organ	MVW 1012A	Oboe
MVP 1011A	Percussion	MVW 1013A	Clarinet
MVS 1011A	Violin	MVW 1014A	Bassoon
MVS 1012A	Viola	MVW 1015A	Saxophone

Applied Music II — Preparatory 1 cr.

Prerequisite: Consent of instructor. A continuation of Applied Music I — Preparatory. Voice and piano students must enroll for repertoire study in the same semester as Applied Music. Special fee \$90. One one-half hour private lesson per week. Attendance to and/or performance in a recital each semester may be required. 8 laboratory hours.

MVB 1011B	Trumpet	MVS 1013B	Cello
MVB 1012B	Horn	MVS 1014B	String Bass
MVB 1013B	Trombone	MVS 1015B	Harp
MVB 1014B	Baritone Horn	MVS 1016B	Guitar
MVB 1015B	Tuba	MVV 1011B	Voice
MVK 1011B	Piano	MVW 1011B	Flute
MVK 1013B	Organ	MVW 1012B	Oboe
MVP 1011B	Percussion	MVW 1013B	Clarinet
MVS 1011B	Violin	MVW 1014B	Bassoon
MVS 1012B	Viola	MVW 1015B	Saxophone

Applied Music III — Preparatory 1 cr.

Prerequisite: Consent of instructor. A continuation of Applied Music II — Preparatory. Voice and piano students must enroll for repertoire study in the same semester as Applied Music. Special fee \$90. One one-half-hour private lesson per week. All levels may be repeated for credit. Attendance to and/or performance in a recital each semester may be required. 8 laboratory hours.

MVB 2021A	Trumpet	MVS 2023A	Cello
MVB 2022A	Horn	MVS 2024A	String Bass
MVB 2023A	Trombone	MVS 2025A	Harp
MVB 2024A	Baritone Horn	MVS 2026A	Guitar
MVB 2025A	Tuba	MVV 2021A	Voice
MVK 2021A	Piano	MVW 2021A	Flute
MVK 2023A	Organ	MVW 2022A	Oboe
MVP 2021A	Percussion	MVW 2023A	Clarinet
MVS 2021A	Violin	MVW 2024A	Bassoon
MVS 2022A	Viola	MVW 2025A	Saxophone

Applied Music IV — Preparatory 1 cr.

Prerequisite: Consent of instructor. A continuation of Applied Music III — Preparatory. Voice and piano students must enroll for repertoire study in the same semester as Applied Music. Special fee \$90. One one-half-hour private lesson per week. All levels may be repeated for credit. Attendance to and/or performance in a recital each semester may be required. 8 laboratory hours.

MVB 2021B	Trumpet	MVS 2023B	Cello
MVB 2022B	Horn	MVS 2024B	String Bass
MVB 2023B	Trombone	MVS 2025B	Harp
MVB 2024B	Baritone Horn	MVS 2026B	Guitar
MVB 2025B	Tuba	MVV 2021B	Voice
MVK 2021B	Piano	MVW 2021B	Flute
MVK 2023B	Organ	MVW 2022B	Oboe
MVP 2021B	Percussion	MVW 2023B	Clarinet
MVS 2021B	Violin	MVW 2024B	Bassoon
MVS 2022B	Viola	MVW 2025B	Saxophone

Applied Music I — Principal 1 cr.

Prerequisite: Consent of instructor. Private instruction in voice, piano, guitar, organ, woodwind, string, brass, and percussion instruments designed to cultivate in the student the ability to perform representative solo repertoire. This course is designed for those students whose performance level upon entrance is at or above the freshman music major level. This will be determined by audition prior to enrollment. Voice and piano students must enroll for Repertoire Study in the same semester as Applied Music. Special fee \$90. One one-half-hour lesson per week. Attendance to and/or performance in a recital each semester may be required. 8 Laboratory hours.

MVB 1311A	Trumpet	MVS 1313A	Cello
MVB 1312A	Horn	MVS 1314A	String Bass
MVB 1313A	Trombone	MVS 1315A	Harp
MVB 1314A	Baritone Horn	MVS 1316A	Guitar
MVB 1315A	Tuba	MVV 1311A	Voice
MVK 1311A	Piano	MVW 1311A	Flute
MVK 1313A	Organ	MVW 1312A	Oboe
MVP 1311A	Percussion	MVW 1313A	Clarinet
MVS 1311A	Violin	MVW 1314A	Bassoon
MVS 1312A	Viola	MVW 1315A	Saxophone

Applied Music II — Principal 1 cr.

Prerequisite: Consent of instructor. A continuation of Applied Music I — Principal. Voice and piano students must enroll for Repertoire in the same semester as Applied Music. Special fee \$90. One one-half-hour lesson per week. Attendance to and/or performance in a recital each semester may be required. 8 laboratory hours.

MVB 1311B	Trumpet	MVS 1313B	Cello
MVB 1312B	Horn	MVS 1314B	String Bass
MVB 1313B	Trombone	MVS 1315B	Harp
MVB 1314B	Baritone Horn	MVS 1316B	Guitar
MVB 1315B	Tuba	MVV 1311B	Voice
MVK 1311B	Piano	MVW 1311B	Flute
MVK 1313B	Organ	MVW 1312B	Oboe
MVP 1311B	Percussion	MVW 1313B	Clarinet
MVS 1311B	Violin	MVW 1314B	Bassoon
MVS 1312B	Viola	MVW 1315B	Saxophone

Applied Music III – Principal 1 cr.
Prerequisite: Consent of instructor. A continuation of Applied Music II – Principal. Voice and piano students must enroll for Repertoire Study in the same semester as Applied Music. Special fee \$90. One one-half-hour lesson per week. Attendance to and/or performance in a recital each semester may be required. 8 Laboratory hours.

MVB 2321A Trumpet	MVS 2323A Cello
MVB 2322A Horn	MVS 2324A String Bass
MVB 2323A Trombone	MVS 2325A Harp
MVB 2324A Baritone Horn	MVS 2326A Guitar
MVB 2325A Tuba	MVV 2321A Voice
MVK 2321A Piano	MVW 2321A Flute
MVK 2323A Organ	MVW 2322A Oboe
MVP 2321A Percussion	MVW 2323A Clarinet
MVS 2321A Violin	MVW 2324A Bassoon
MVS 2322A Viola	MVW 2325A Saxophone

Applied Music IV – Principal 1 cr.
Prerequisite: Consent of instructor. A continuation of Applied Music III – Principal. Voice and piano students must enroll for Repertoire Study in the same semester as Applied Music. Special fee \$90. One one-half-hour lesson per week. Attendance to and/or performance in a recital each semester may be required. 8 Laboratory hours.

MVB 2321B Trumpet	MVS 2323B Cello
MVB 2322B Horn	MVS 2324B String Bass
MVB 2323B Trombone	MVS 2325B Harp
MVB 2324B Baritone Horn	MVS 2326B Guitar
MVB 2325B Tuba	MVV 2321B Voice
MVK 2321B Piano	MVW 2321B Flute
MVK 2323B Organ	MVW 2322B Oboe
MVP 2321B Percussion	MVW 2323B Clarinet
MVS 2321B Violin	MVW 2324B Bassoon
MVS 2322B Viola	MVW 2325B Saxophone

MUL 1110 Music Appreciation 3 cr.
A general survey of music and its composers, with extensive listening in order to develop intelligent understanding and appreciation of the world's great music. This course is open to all students. 48 class hours.

MUN 1120 Concert Band 1 cr.
Prerequisite: Consent of instructor. A course designed to give the student a musical experience performing the standard concert band literature. 32 laboratory hours.

MUN 1310 College Chorus 1 cr.
This course will offer a wide variety of types and periods of choral literature. It is open to all students of the college and the members of the community. No auditions are given. This group will represent the college in school and community functions. 32 laboratory hours. (May be taken for credit up to four times.)

MUN 1450 Piano Ensemble 1 cr.
Prerequisite: Consent of instructor. This course is designed to assist the pianist in learning how to perform in ensemble with other musicians. Repertoire will include piano duet and duo-piano works from the standard repertoire as well as piano accompaniments for vocal and instrumental solos. Audition required. Special fee required (see page 17). 32 laboratory hours.

MUN 1710 Jazz-Rock Ensemble 1 cr.
Prerequisite: Consent of instructor. A course designed to give the student a musical experience performing the most popular music of the past forty years. Special fee required (see page 17). 32 laboratory hours.

MUT 1001 Fundamentals of Music 3 cr.
This course will include basic skills in reading and writing music. A fundamental knowledge of pitch, rhythm, tonality, and harmonic organization will be presented with an emphasis on its application to a variety of activities. No prior knowledge of music is necessary to enroll in this course. 48 class hours.

MUT 1121 Music Theory I 4 cr.
Prerequisite: MUT 1001. The purpose of Music Theory I is to provide the fundamentals of music, including chord construction and progression, elements of form analysis and harmony, rhythmic and melodic ear training, dictation, sight singing, and simple composition. 48 lecture hours and 32 laboratory hours.

MUT 1122 Music Theory II 4 cr.
Prerequisite: MUT 1121. The purpose of Music Theory II is to provide a continuation of Music Theory I with emphasis on further development of musical skills. 48 lecture hours and 32 laboratory hours.

MUT 2126 Music Theory III 4 cr.
Prerequisite: MUT 1122. The purpose of Music Theory III is to provide emphasis on advanced harmony and chord structure, examination and analysis of form and styles from the past to the contemporary, advanced problems in composition for various media, and a continued development of aural skills. 48 lecture hours and 32 laboratory hours.

MUT 2127 Music Theory IV 4 cr.
Prerequisite: MUT 2126. The purpose of Music Theory IV is to provide the final sequence of Music Theory with emphasis on continued development of harmonic materials, aural and visual analysis, and problems in composition involving form and instrumentation. 48 lecture hours and 32 laboratory hours.

MVK 1111A Class Piano I 1 cr.
This class is for beginning piano students meeting in groups of six or more. Open to all students. Emphasis is placed on music reading and elementary techniques. Special fee \$20.00. 32 laboratory hours.

MVK 1111B Class Piano II 1 cr.
Prerequisite: MKV 1111A. This class is a continuation of MKV 1111A. Special fee \$20.00. 32 laboratory hours.

MVV 1111A Class Voice I 1 cr.
For singers with no previous vocal study and instrumentalists wishing a fundamental vocal knowledge. Emphasis on tone production and correct diction. Open to all students. 32 laboratory hours.

MVV 1111B Class Voice II 1 cr.
A continuation of MVV 1111A. Open to all students. 32 laboratory hours.

Nursing

HSA 1194 Introduction to Microcomputers in Health Care 1 cr.
This course is designed for the student majoring in nursing or allied health. It includes the study of basic computer terminology and a study of the uses of computers in health care agencies. The student will have hands-on experience in using the microcomputers with such applications as word processing and Medical Office Manager (MOM).

NUR 1020C Fundamentals of Nursing 10 cr.
Prerequisites: ENC 1101, PSY 1012, APB 1811, and APB 1811L (must be satisfactorily completed prior to being considered for admission to the Nursing Program). Pre or corequisites: APB 1812 and APB 1812L. This course introduces concepts and skills basic to nursing care for adult clients and their families. The nursing process is introduced and used as an approach to nursing care with emphasis on assessment of human needs relating to oxygenation, nutrition, elimination, comfort and safety, security, and mobility. The roles of the nurse as provider of care, communicator, teacher, manager, and member of a profession are introduced and provide the framework for clinical application and evaluation. Lab fee and Professional Liability fee required (see page 17). 64 lecture hours and 192 clinical and laboratory hours. Additional campus laboratory hours may be required.

NUR 1201C Adult Nursing I/LPN 5 cr.
Prerequisites: PSY 1012, ENC 1101, APB 1811, APB 1811L, APB 1812, APB 1812L, and DEP 2004, and admission to the Nursing Program, ADN/LPN Track. This course is offered for students entering the Nursing Program at the ADN/LPN Track. The nursing process is introduced and used as an approach to nursing care in assisting sick adults and their families meet their basic needs. Emphasis is placed on the more frequently occurring health needs. The roles of the nurse as a provider of care, communicator, teacher, manager, and member of a profession provide the framework for clinical application and evaluation. Lab fee and Professional Liability fee required (see page 17). 32 lecture hours and 128 clinical and laboratory hours. Additional laboratory hours may be required.

NUR 1520C Mental Health Nursing 5 cr.
Prerequisite: NUR 1710C or NUR 1201C. This course emphasizes use of the nursing process as an approach to nursing care of clients and their families with varying degrees of mental health and illness. Clinical experiences are offered in a variety of settings. The roles of the nurse as a provider of care, communicator, teacher, manager, and member of a profession provide the framework for clinical application and evaluation. Lab fee required (see page 17). 32 lecture hours and 128 clinical and laboratory hours. Additional laboratory hours may be required.

NUR 1710C Adult Nursing I 12 cr.
Prerequisites: NUR 1020C, APB 1812, APB 1812L, and MTB 2370. Pre or corequisite: DEP 2004. This course emphasizes use of the nursing process as an approach in assisting sick adults and their families to meet their basic needs. Emphasis is placed on the more frequently occurring health needs of clients in various settings. The roles of the nurse as provider of care, communicator, teacher, manager, and member of a profession are expanded and provide the framework for clinical application and evaluation. Lab fee required (see page 17). 64 lecture hours and 256 clinical and laboratory hours. Additional laboratory hours may be required.

NUR 1990C Nursing Concepts and Skills 5 cr.
Prerequisites: PSY 1012, ENC 1101, APB 1811, APB 1811L, APB 1812, APB 1812L, MTB 2370, and admission to the Nursing Program. Pre or corequisite: DEP 2004. This course is offered for students entering the Nursing Program at the ADN/Paramedic Track. Basic concepts and skills of nursing are introduced. The roles of the nurse as provider of care, communicator, teacher, manager, and member of a profession provide the framework for theory content and skills performance. Lab fee and Professional Liability Insurance fee required. 64 lecture hours, 32 campus laboratory hours. Additional laboratory hours may be required.

NUR 1991C Adult Nursing I/Paramedic 7 cr.
Prerequisite: NUR 1990C. This course introduces the application of the nursing process as an approach to nursing care in assisting sick adults and their families meet their basic needs. Emphasis is placed on the more frequently occurring health needs. The roles of the nurse as a provider of care, communicator, teacher, manager, and member of a profession provide the framework for clinical application and evaluation. Lab fee required. 64 lecture hours, 96 clinical and laboratory hours. Additional laboratory hours may be required.

NUR 1992C Adult Nursing II/Paramedic 5 cr.
Prerequisite: NUR 1991C. This course utilizes the application of the nursing process as an approach in assisting sick adults and their families to meet their basic needs. Emphasis is placed on the more frequently occurring health needs of clients in various settings. The roles of the nurse as a provider of care, communicator, teacher, manager, and member of a profession are expanded and provide the framework for clinical application and evaluation. Lab fee required. 32 lecture hours, 96 clinical and laboratory hours. Additional laboratory hours may be required.

NUR 2412C Maternal-Child Nursing/LPN 7 cr.
Prerequisites: NUR 1520C and DEP 2004. This course is offered for students enrolled in the ADN/LPN Track. This course emphasizes use of the nursing process as an approach in assisting the child/childbearing family to meet their basic needs. Clinical experiences are offered in a variety of settings. The roles of the nurse as provider of care, communicator, teacher, manager, and member of a profession provide the framework for clinical application and evaluation. 48 lecture hours and 128 clinical hours and laboratory hours. Additional campus laboratory hours may be required. Lab fee and Professional Liability fee required (see page 17).

NUR 2460C Maternal-Child Nursing 12 cr.
Prerequisite: NUR 1520C and DEP 2004. This course is required in the RN/Generic Track only. This course emphasizes use of the nursing process as an approach in assisting the child/childbearing family to meet their basic needs. Clinical experiences are offered in a variety of settings. The roles of the nurse as provider of care, communicator, teacher, manager, and member of a profession provide the framework for clinical application and evaluation. 64 lecture hours and 256 clinical and laboratory hours. Additional campus laboratory hours may be required. Lab fee and Professional Liability fee required (see page 17).

NUR 2711C Adult Nursing II 12 cr.
Prerequisite: NUR 2460C for the RN/Generic student or NUR 1201C for the RN/LPN Track student. This course continues to emphasize use of the nursing process as an approach to providing nursing care. It provides for a broader application of the nursing process in the clinical setting in assisting sick adults and their families to meet their basic needs. Emphasis is placed on the more complex, less frequently occurring health needs of clients in various settings. The roles of the nurse as a provider of care, communicator, teacher, manager, and member of a profession provide the framework for clinical application and evaluation. Lab fee required (see page 17). 64 lecture hours and 256 clinical and laboratory hours. Additional campus laboratory hours may be required.

NUR 2820 Nursing Role & Scope 2 cr.
Prerequisite: NUR 1520C for the RN/Generic student or NUR 1201C for the RN/LPN Track student. This course is offered during the final year of the nursing curriculum and is designed to assist the graduating student in the transition to the role of the Registered Nurse. Patient care management concepts

and the legal, ethical, and professional responsibilities of the Registered Nurse are stressed. Clinical application of theoretical content is accomplished in the clinical nursing courses taken in the final year of the nursing curriculum. 32 lecture hours.

NUR 2991C Adult Nursing III/Paramedic 12 cr.
Prerequisite: NUR 1992C. Corequisite: NUR 2820. This course broadens the clinical application of the nursing process as an approach in assisting sick adults and their families to meet their basic needs. Emphasis is placed on the more complex, less frequently occurring health needs of clients in various settings. The roles of the nurse as a provider of care, communicator, teacher, manager, and member of profession provide the framework for clinical application and evaluation. An intensive clinical practicum is provided during the last four (4) weeks of the course. Lab and Professional Liability Fee required. 84 lecture hours, 256 clinical and laboratory hours. Additional laboratory hours may be required.

NUR 2992C Maternal-Child Nursing/Paramedic 7 cr.
Prerequisites: NUR 1520C and DEP 2004. This course is offered for students enrolled in the ADN/Paramedic Track. This course emphasizes nursing theory and use of the nursing process as an approach in assisting the childbearing family to meet basic needs. Emphasis is on non-emergency care. Clinical experiences are offered in acute care and community settings. The roles of the nurse as a provider of care, communicator, teacher, manager, and member of the profession provide the framework for clinical application and evaluation. 48 lecture hours and 128 clinical laboratory hours. Additional lab hours may be required. Lab fee required.

Paramedics

See Emergency Medical Services

Philosophy

PHI 1100 Logic 3 cr.
The application of reason to develop logical skills and understanding. The study of deductive methods used to distinguish correct from incorrect reasoning. 48 class hours.

Physical Education

PEL 1111 Beginning Bowling 1 cr.
The course is designed to introduce the student to the sport of bowling. Fundamental skills, history, rules, scoring, and etiquette will be stressed. Lab fee required (see page 17). 8 lecture hours and 24 laboratory hours.

PEL 1121 Beginning Golf 1 cr.
This course is an introduction to the history, rules, and social and physical values of golf. The basic fundamentals pertaining to grip, stance, posture, and swing are stressed. Primary emphasis is to provide the student with the proper knowledge and skills necessary to enjoy recreational golf. Lab fee required (see page 17). 8 lecture hours and 24 laboratory hours.

PEL 1211 Softball 1 cr.
Instruction in the history, rules, and skills of softball. Emphasis will be placed on intercampus competition. May be repeated for credit. 8 lecture hours and 24 laboratory hours.

PEL 1216 Baseball 1 cr.
Prerequisite: Consent of instructor. This course will offer instruction in history, rules, and skills of baseball. Emphasis will be placed on intercampus competition. May be repeated for credit. 8 lecture hours and 24 laboratory hours.

PEL 1321 Volleyball 1 cr.
Instruction in volleyball history, rules and skills. Treatment of offensive and defensive patterns will be stressed. League play will be provided on an intraclass basis. 8 lecture hours and 24 laboratory hours.

PEL 1341 Beginning Tennis 1 cr.
This is a coeducational course for beginners, primarily designed to provide the student with the proper knowledge and to develop the skills necessary to enjoy recreational tennis. Lab fee required (see page 17). 8 lecture hours and 24 laboratory hours.

PEL 1342 Intermediate Tennis 1 cr.
Prerequisite: PEL 1341 or consent of instructor. A continuation of tennis skill practice. Stress on strategy. Singles or doubles tourney play. Lab fee required (see page 17). 8 lecture hours and 24 laboratory hours.

PEL 1441 Racquetball 1 cr.
This course is designed to teach the fundamentals of racquetball and to develop skills necessary for successful singles and doubles play. Lab fee required (see page 17). 8 lecture hours and 24 laboratory hours.

PEL 1621 Basketball 1 cr.
Instruction in basketball skills, history, and rules. Emphasis will be placed on offensive and defensive skills. Team strategy will be developed in the offensive and defensive areas. Emphasis will be placed on intercampus competition. May be repeated for credit. 8 lecture hours and 24 laboratory hours.

PEM 1101 Personal Fitness 2 cr.
Each student will learn to assess personal or individual fitness level, lung capacity, percentage of body fat, flexibility, strength, and dietary habits upon entry into the course. From the baseline data, individual fitness and diet plans will be developed and post tests will be given to evaluate the success of the fitness program. 16 lecture hours and 32 laboratory hours.

PEM 1131 Weight Training 1 cr.
Instruction in the principles of weight training. The primary emphasis is skeletal muscular strength increases. General fitness improvement is also involved. 8 lecture hours and 24 laboratory hours.

PEM 1171 Aerobic Dance I 1 cr.
A fitness activity that combines principles of dance, calisthenics, and aerobics. This program is based on the principle of continuous movement. 8 lecture hours and 24 laboratory hours.

PEM 1172 Aerobic Dance II 1 cr.
Prerequisites: PEM 1171 or consent of instructor. A combination of low-impact and high-impact aerobic dance, with emphasis on more rigorous exercise movement for the improvement of cardiorespiratory endurance. 8 lecture hours and 24 laboratory hours.

Physical Science

PSC 1341 Introduction to the Physical Universe I 3 cr.
A non-laboratory course intended for non-science majors. Introductory topics in physics and chemistry are included. A working knowledge of simple algebra is recommended. PSC 1341 and PSC 1311 do not have to be taken in sequence. 48 class hours.

PSC 1311 Introduction to the Physical Universe II 3 cr.
A non-laboratory course intended for non-science majors. Introductory topics in earth science and astronomy are included. PSC 1341 and PSC 1311 do not have to be taken in sequence. 48 class hours.

Physics

PHY 1053C General Physics I 4 cr.
Prereq or co-requisite: MAC 1114 or MTB 1322. Subject matter includes mechanics, heat, and sound. This course is designed for students not majoring in the physical sciences. 48 lecture hours and 32 laboratory hours.

PHY 1054C General Physics II 4 cr.
Prerequisite: PHY 1053C. Subject matter includes electricity, magnetism, light, and some modern physics. This course is designed for students not majoring in the physical sciences. 48 lecture hours and 32 laboratory hours.

PHY 2001C Technical Physics for Electronics 4 cr.
See Electronic Engineering Technology.

Political Science

INR 2002 World Perspectives: An Introduction to International Relations 3 cr.
Prerequisite: POS 2041 or consent of instructor. A study of the basic principles and actors of the international system with emphasis on the past, present, and possible future roles of the United States in world affairs. 48 class hours.

POS 2041 American Federal Government 3 cr.
A study of the theory, organization, principles, and functioning of the Federal Government, emphasizing the relationship of the individual to the government and a study of the U.S. Constitution. 48 class hours.

POS 2112 State and Local Government 3 cr.
A study of state, county, and municipal government with emphasis on the newer trends in local government. 48 class hours.

Practical Nursing

PRN 0601 Practical Nursing I 16 voc. cr.
This course introduces humans as biopsychosocial beings with basic health needs and introduces concepts and skills fundamental to the nursing care of people throughout the life span. The nursing process is introduced and used as an approach to providing nursing care. Basic units covered are individual, family and community health, body structure and function; pharmacology, calculation of medications and solutions; and medical-surgical nursing. First aid and CPR certification are required. Clinical experiences are provided in local health agencies. Laboratory fee and Professional Liability Insurance fee required (see page 17). 480 hours of instruction.

PRN 0630 Practical Nursing II 16 voc. cr.
This course expands body structure and function concepts and introduces basic and advanced concepts and skills in the nursing care of people of all ages, including administration of medications. Pediatric nursing is introduced. Medical-surgical nursing is expanded. Simulated and actual clinical

experiences are provided in campus, hospital, and community agency settings. Laboratory fee required (see page 17). 480 hours of instruction.

PRN 0631 Practical Nursing III 10 voc. cr.
This course expands on knowledge and skills provided in Practical Nursing I and II. Maternity nursing is introduced emphasizing care of the uncomplicated obstetrical patient and the neonate. Concepts specific to Vocational Relations are provided. Simulated and actual clinical experiences are provided on campus and in hospital and community agencies. Lab fee required (see page 17). 300 hours of instruction.

Psychology

DEP 2002 Child Psychology 3 cr.
Prerequisite: PSY 1012 or consent of instructor. This course is a study of the evolving child from birth to adolescence. Included in the course are selections on genetics, environment, learning, motivation, and a description of the several stages of childhood including prenatal, infancy, preschool, and the elementary school. 48 class hours.

DEP 2004 Life-Span Development 3 cr.
Prerequisite: PSY 1012. This course is designed to acquaint the student with the theories and perspectives of the human organism's growth from birth to death. The biological, cognitive, language, social, emotional, and personality foundation and development for all age spans will also be studied. 48 class hours.

DEP 2302 Adolescent Psychology 3 cr.
Prerequisite: PSY 1012 or consent of instructor. This course is a study of the child from the onset of puberty to adulthood. Emphasis is placed on the unique problems encountered during these years pertaining to the physical, emotional, social, familial, and educational growth of the adolescent. 48 class hours.

DEP 2401 Psychology of Adulthood 3 cr.
This course focuses on the predictable crises of life encountered between the ages of 18 and 50. 48 class hours.

DEP 2931 Parent and Child Interaction 3 cr.
This course is designed to give the student the background underlying parent-child communication skills. Materials from several disciplines — communication theory, psychology, sociology, and child development — are incorporated. 48 class hours.

EXP 1600 Creative Thinking and Imagination 3 cr.
Ideational sources of creativity; nature and utilization of imagination; theories and application of creative thought and problem solving. Emphasis is on the importance of imagination in all walks of life and work. "Brainstorming" and case method approaches are stressed. Methods of screening and implementing ideas are studied. The objectives of the course include instilling an awareness of the vital importance of creative effort and stimulating the student's ability to utilize the creative approach to his/her life and work. 48 class hours.

PSY 1012 Introduction to Psychology 3 cr.
An introduction to the field of psychology wherein the student becomes better acquainted with the human being as a bio-social organism. Topics include scientific method in psychology, interaction of heredity and environment, receptor

mechanisms, perception, basic statistical concepts, intelligence, motivation, emotion, learning normal and abnormal reaction to frustration, psychotherapy, and personality structure. 48 class hours.

Reading

EDG 1317 Current Approaches and Tutoring Techniques for Reinforcing Reading Instruction 3 cr.
See Education.

***REA 0001 Basic Reading** 4 cr.
See College Preparatory Courses.

***REA 0002 Fundamentals of Reading** 4 cr.
See College Preparatory Courses.

REA 1105 College Reading Techniques 3 cr.
A college-level reading course designed to develop and improve college reading skills, stressing proficiency in comprehension, flexibility of rate, and vocabulary improvement. Practice with specialized equipment and/or materials is provided. 48 class hours.

RED 2310 Current Approaches in Teaching Reading 3 cr.
See Education.

Real Estate

REE 1040 Real Estate Principles and Practices I 4 cr.
A study of the legal and economic aspects of real estate. This involves ownership and transfer of real property, the real estate market, titles, deeds, mortgages, liens, taxation, and property management. It will familiarize the student with law and its provisions under which the registrant will operate. Satisfactory completion of this course permits the student to sit for the Florida Real Estate Commission Exam for the Salesman's License. (Exam fee required, see page 17.) 64 class hours.

REE 2041 Real Estate Principles and Practices II 4 cr.
Prerequisite: 6 months registration as active salesperson. Designed to help prepare the real estate salesperson for the broker's examination. Major topics include real estate finance, investment, management, and appraising. (Exam fee required, see page 17.) Seventy-two hours of instruction is required.

REE 2100 Residential Appraisal 4 cr.
Prerequisite: Must have a current real estate salesperson's license. This course provides the student with a broad understanding of real property appraisal concepts and the technical skills employed in applying these concepts to residential property. Credit may be earned toward fulfillment of professional designation requirements of the Society of Real Estate Appraisers. This course may also be used for fulfillment of recertification credits of the Society of Real Estate Appraisers. 64 class hours.

REE 2500 Property Management 3 cr.
Prerequisite: Must have a current real estate salesperson's license. The course acquaints students with efficient property management types, organization, methods, functions and services. The scope includes property management from single family to income production and income producing properties of various sizes and types. 48 class hours.

Sociology

SYG 1361 Death in America 3 cr.
This course probes mortality, its psychological and social consequences, and the problems it poses for modern Americans. Combining history and recent research findings, the course illuminates such little-discussed issues as grief, euthanasia, suicide, life after death, the dying patient, widowhood, and the impact of the threat of world holocaust. 48 class hours.

SYG 1420 Families in Transition 3 cr.
This course explores the history of the family in America. It includes recent past events and movements that have affected family life; the functioning of the family through various life stages with variations in ethnic, racial, and social class subgroups in American society; and the prospects for the family in the future. 48 class hours.

SYG 2000 Introduction to Sociology 3 cr.
The study of human behavior as a product of group membership and social interaction. Basic concepts include: culture, social organization, social change, social control, social power, power, social movements, role and status, crowd behavior, race and ethnic relations, community, population, social class, and social mobility. 48 class hours.

SYG 2010 Social Problems 3 cr.
American society is viewed as a social system whose ideology and values produce conditions defined by its members as social problems. Emphasis is given to the nature and cause of, and solutions to, these problems. 48 class hours.

SYG 2221 Women in American Society 3 cr.
This course will examine the changing status and roles of women in American society since the turn of the century. Traditional and contemporary sources of gender identity and roles will be explored. 48 class hours.

SYG 2430 Marriage and The Family 3 cr.
A sociological analysis of preparation for marriage and adjustment to family life. Topics such as dating, mate selection, interpersonal relationships, sexual adjustment, finance management, child rearing, and family problems may be covered in the course. 48 class hours.

SYG 2840 Applied Sociology 3 cr.
Prerequisites: SYG 2000 or SYG 2010; a minimum of 15 hours' work at Pasco-Hernando Community College; and by consent of instructor. This is a Practicum course which requires a minimum of 117 participation hours. A limited number of students will be under supervision at community agencies. Students meet regularly with the instructor. A special fee is required (see page 17).

Spanish

SPN 1120 Beginning Spanish I 4 cr.
This course will introduce beginning students in Spanish to the four communication skills (listening, speaking, reading, and writing), emphasize the correct usage of grammar, and sensitize students to the cultural contributions of the countries where Spanish is spoken. 48 lecture hours, 32 lab hours.

SPN 1121 Beginning Spanish II 4 cr.
Prerequisite: SPN 1120 or consent of instructor. The previous Beginning Spanish 3-credit-hour course does not meet the prerequisite for this course. This course will reinforce, expand,

and review the basic skills previously acquired; develop increased listening, speaking, reading, and writing skills; and extend knowledge of grammar and the awareness of culture. Content will include more advanced language structures and idiomatic expressions, with a practical emphasis on vocabulary and conversational skills. 48 lecture hours, 32 lab hours.

SPN 2200 Intermediate Spanish I 4 cr.
Prerequisite: SPN 1121, two years of high school Spanish, or their equivalent. The content will include, but not be limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There should be additional growth in vocabulary for practical purposes, including writing. Reading selections will be varied. 48 lecture hours and 32 laboratory hours.

SPN 2201 Intermediate Spanish II 4 cr.
Prerequisite: SPN 2200. The content will include, but not be limited to, more advanced conversational language structures and idiomatic expressions, with emphasis on conversational skills. There should be additional growth in vocabulary for practical purposes, including writing. Reading selections will be varied. 48 lecture hours and 32 laboratory hours.

Speech

JOU 2100 Journalistic Writing and Reporting 3 cr.
See English.

SPC 1600 Introduction to Public Speaking 3 cr.
This course provides practice in the preparation and delivery of various professional public address forms such as narration, demonstration, inquiry, reporting, evocation, and oral interpretation. Listening and analytic skills will be stressed through student appraisals of both professional and class speeches, including those audio and video taped. 48 class hours.

SPC 2010 Modes of Communication 3 cr.
Prerequisite: ENC 1101 (completed with a grade of "C" or higher). This course prepares the student to participate more effectively in a democratic society through the development of reading, speaking, and listening skills. If used to meet the requirements of the AA Degree, a grade of "C" must be attained. 48 class hours.

Welding

PMT 0106 Introduction and Oxyacetylene Welding 3 voc. cr.
An introductory course in welding using equipment and tools. Safety and proper use of equipment, along with identification of metals, are stressed. This course also includes the use of oxyacetylene gases in welding and torch cutting. 90 hours of instruction.

PMT 0112 Advanced Specialty Oxyacetylene Welding 3 voc. cr.
Prerequisite: PMT 0106 or consent of instructor. A continuation of oxyacetylene welding, specializing in the techniques of mild steel pipe welding and the art of brazing and silver soldering. 90 hours of instruction.

PMT 0121 Shielded Metal Arc Welding 3 voc. cr.
Emphasizes principles in those types of welding which require the use of shielded metal arc welding (SMAW). A beginning course in welding principles for SMAW. 90 hours of instruction.

PMT 0122 S.M.A.W. High Technology Skills 3 voc. cr.
Prerequisite: PMT 0158. This course includes shielded metal arc welding of open butt joints welded in the flat angular, vertical, and horizontal overhead positions. The art of pipe welding is stressed. 90 hours of instruction.

PMT 0131 TIG Welding 2 voc. cr.
An introduction to Tungsten Inert Gas Welding (TIG). The course emphasizes the principles involved in the operating of TIG equipment. A beginning course in welding principles of TIG. 60 hours of instruction.

PMT 0134 MIG Welding 2 voc. cr.
An introduction to Metallic Inert Gas Welding (MIG). Emphasizes the principles involved in the operating of MIG equipment. A beginning course in welding principles of MIG. 60 hours of instruction.

PMT 0135 Advanced Shielded Metal Arc Welding 3 voc. cr.
Prerequisite: PMT 0121 or consent of instructor. A continuation of PMT 0121. An advanced course in welding principles of SMAW. 90 hours of instruction.

PMT 0138 Advanced MIG/TIG Welding 2 voc. cr.
Prerequisites: PMT 0134, PMT 0131, or consent of instructor. A continuation of PMT 0134 and PMT 0131. An advanced course in welding principles of MIG/TIG Welding. Blueprint reading for MIG/TIG Welding is included. 60 hours of instruction.

PMT 0158 Specialty Shielded Metal Arc Welding 3 voc. cr.
Prerequisite: PMT 0135 or consent of instructor. Welding carbon steel, plug or slot welding; welding of pipe joints, stainless steel, cast iron, hard surfacing, cutting; and blueprint reading are included. 90 hours of instruction.

PMT 0164 Fabrication of Metal Products Using SMAW 3 voc. cr.
Prerequisite: PMT 0158 or consent of instructor. Fabrication of tubing systems and metal framing are emphasized. Sketches, drawings, and blueprints are included. 90 hours of instruction.

PMT 0175 Fabrication of Metal Products Using MIG/TIG Welding 2 voc. cr.
Prerequisite: PMT 0138 or consent of instructor. Fabrication of tubing systems and metal framing are emphasized. Sketches, drawings, and blueprints are included. 60 hours of instruction.

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