



The Christopher Newport College of the College of William and Mary in Virginia

Announcements

Session 1973-74

Session 1974-75

Newport News, Virginia

College Address: Christopher Newport College
P. O. Box 6070
Newport News, Virginia 23606

College Telephone: Area Code 804-596-7611

The College is located on Shoe Lane in
Newport News, Virginia

Vol. 13, No. 1

October, 1973



1. Christopher Newport Hall
2. Gosnold Hall
3. Ratcliffe Gymnasium
4. Captain John Smith Library
- 4A Administration
5. Wingfield Hall
6. Campus Center

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Christopher Newport

College Calendar 1973-74

1973

August

S	M	T	W	T	F	S
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5	6	7	8	9	10	11
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First Semester

August 27	Faculty Workshop (Monday)
August 28	Orientation for Freshmen and New Transfers (Tuesday)
August 29-30	Registration Period (Wednesday-Thursday)
September 3	Labor Day: College Closed (Monday)
September 4	Beginning of Classes: 8:00 A.M. (Tuesday)
September 10	Last Day of Add/Drop Period; Registration Closed for All Students (Monday)
September 21	Last Day for Refunds: All Students (Friday)
October 12	Last Day for Dropping a Class Without a Penalty of Failing Grade (Friday)
October 19	Freshmen Mid-Semester Grade Reports Filed with Registrar: 12:00 Noon (Friday)
November 2	Deadline for Withdrawal from College Without Grade Notation of WP or WF (Friday)
November 21	Beginning of Thanksgiving Holiday: 10:30 P. M. (Wednesday)
November 26	End of Thanksgiving Holiday: 8:00 A. M. (Monday)
November 28-December 7	Early Registration for Second Semester (Wednesday-Friday)

1973

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December 7	Last Day for December and May Graduates to File Intent to Graduate Form with Registrar (Friday)
December 12	End of Day Classes: 5:00 P. M. (Wednesday)
December 13	End of Evening Classes: 10:30 P. M. (Thursday)
December 13	Pre-Examination Period: Day Students (Thursday)
December 14-22	Final Examinations: Day Classes (Friday-Saturday)
December 18-20	Final Examinations: Evening Classes (Monday-Thursday)

1974

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January 3	Final Semester Grade Reports Filed with Registrar: 12:00 Noon (Thursday)
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Second Semester

January 14	Orientation for New Students (Monday)
January 16-17	Registration Period (Wednesday-Thursday)
January 21	Beginning of Classes: 8:00 A. M. (Monday)
January 25	Last Day of Add/Drop Period; Registration Closed for All Students (Friday)
February 8	Last Day for Refunds: All Students (Friday)
March 1	Last Day for Dropping a Class Without a Penalty of Failing Grade (Friday)
March 8	Freshmen Mid-Semester Grade Reports Filed with Registrar: 12:00 Noon (Friday)
March 8	Beginning of Spring Recess: 5:00 P. M. (Friday)

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March 18	End of Spring Recess: 8:00 A. M. (Monday)
March 22	Deadline for Withdrawal from College Without Grade Notation of WP or WF (Friday)
April 17-26	Early Registration for Fall Semester (Wednesday-Friday)
May 1	Last Day for August Graduates to File Intent to Graduate Form with Registrar (Wednesday)
May 3	End of All Classes: 5:00 P. M. (Friday)
May 6-9	Final Examinations: Evening Classes (Monday-Thursday)
May 6-14	Final Examinations: Day Classes (Monday-Tuesday)
May 16	Final Semester Grade Reports Filed with Registrar: 12:00 Noon (Thursday)
May 19	Commencement (Sunday)

Summer Session 1974

June 5	Summer School Registration (Wednesday)
August 9	Close of Summer Session (Friday)
August 10	Commencement (Saturday)

College Calendar 1974-75**1974****First Semester**

August 28-29	Registration Period (Wednesday-Thursday)
September 2	Labor Day: College Closed (Monday)
September 3	Beginning of Classes: 8:00 A.M. (Tuesday)
September 9	Last Day of Add/Drop Period; Registration Closed for All Students (Monday)
September 20	Last Day for Refunds: All Students (Friday)
October 11	Last Day for Dropping a Class Without a Penalty of Failing Grade (Friday)
November 1	Deadline for Withdrawal from College Without Grade Notation of WP or WF (Friday)
November 28-29	Thanksgiving Holiday (Thursday-Friday)
December 11	End of Day Classes: 5:00 P.M. (Wednesday)
December 12	End of Evening Classes: 10:30 P.M. (Thursday)
December 13-21	Examination Period

1975**Second Semester**

January 15-16	Registration Period (Wednesday-Thursday)
January 20	Beginning of Classes (Monday)
January 24	Last Day of Add/Drop Period; Registration Closed for All Students (Friday)
February 7	Last Day for Refunds (Friday)
February 28	Last Day for Dropping a Class Without a Penalty of Failing Grade (Friday)
March 10-14	Spring Recess (Monday-Friday)
March 21	Deadline for Withdrawal from College Without Grade Notation of WP or WF (Friday)
May 2	End of All Classes: 5:00 P.M. (Friday)
May 5-13	Examination Period
May 18	Commencement (Sunday)

The above calendar is in abbreviated form. The full session calendar for 1974-75 will be printed in the spring of 1974.

Officers of the College

Board of Visitors

R. HARVEY CHAPPELL, JR.	Rector
BLAKE T. NEWTON, JR.	Vice Rector
WILLITS H. BOWDITCH	Secretary

To March 6, 1974

GARRETT DALTON	Radford, Virginia
FREDERICK DEANE, JR.	Richmond, Virginia
MRS. ROBERT V. H. DUNCAN	Alexandria, Virginia
MRS. GEORGE FALCK	McLean, Virginia
ROGER H. HULL	New York, New York
JOHN R. L. JOHNSON, JR.	Chadds Ford, Pennsylvania
BLAKE T. NEWTON, JR.	New York, New York
GEORGE D. SANDS	Williamsburg, Virginia
HARRY L. SNYDER	Virginia Beach, Virginia

To March 6, 1976

WILLITS H. BOWDITCH	Newport News, Virginia
R. HARVEY CHAPPELL, JR.	Richmond, Virginia
ROBERT J. FAULCONER	Norfolk, Virginia
WILLIAM S. HUBARD	Roanoke, Virginia
JAMES E. KILBOURNE	Petersburg, Virginia
MRS. ELSIE POWELL	Norfolk, Virginia
WILLIAM H. TRAPNELL	Richmond, Virginia
J. E. ZOLLINGER	Fort Lauderdale, Florida

Officers of Administration**College of William and Mary**

President	THOMAS A. GRAVES, JR.
Executive Vice President	CARTER O. LOWANCE
Vice President for Academic Affairs	GEORGE R. HEALEY

Christopher Newport College

President.....	JAMES C. WINDSOR
Business Manager.....	CALVIN E. HONES
Personnel Supervisor.....	DONALD R. BRIMMER
Dean of Academic Affairs.....	THOMAS J. MUSIAL
Associate Dean of Academic Affairs.....	ROBERT J. EDWARDS
Registrar.....	JANE C. PILLOW
Assistant Registrar.....	BRENDA BLOUNT
Librarian.....	BETTE V. MOSTELLER
Assistant Librarian.....	NAN EDDINS
Director of Curriculum Development and Continuing Studies.....	LAWRENCE BARRON WOOD, JR.
Dean of Student Affairs.....	WILLIAM H. POLIS
Director of Counseling Center.....	ROBERT W. WILDBLOOD
Director of Placement and Public Relations.....	RICHARD E. McMURRAN
Director of Financial Aid.....	O. C. WARD
Director of The Campus Center.....	JOHN J. SULLIVAN
Dean of Admissions.....	NANCY A. RAMBEUR
Assistant Dean of Admissions and Director of Admissions for Unclassified Students.....	CLINTON A. BLOUNT, JR.
Director of Computer Services.....	E. GRAHAM PILLOW
Director of Inter-Collegiate Athletics.....	R. BEVERLEY VAUGHAN, JR.
Director of Research and Development	ST. ELMO NAUMAN, JR.
Consulting Psychiatrist.....	T. J. LASSEN, M.D.

Faculty

ARNOLD GERALD ABRAMS. <i>Lecturer in Communications.</i> B.A. and M.A., University of Maryland; Ph.D., Ohio University.
SUE GRAY NORTON AL-SALAM. <i>Assistant Professor of Physics.</i> B.A., Wellesley College; M.A., University of California at Berkeley; M.A., College of William and Mary.
JACK MARTIN ARMISTEAD. <i>Assistant Professor of Physical Education.</i> B.A., Appalachian State University; M.Ed., College of William and Mary.
JOHN JOSEPH AVIOLI. <i>Assistant Professor of Mathematics.</i> B.S., West Chester State College; M.S. and Ph.D., University of Delaware.
DAVID ALLEN BANKS. <i>Associate Professor of Biology and Environmental Science.</i> B.S., University of Delaware; M.S. and Ph.D., The Ohio State University.

FRANKLIN SAMUEL BAUER. <i>Associate Professor of Psychology and Chairman of the Psychology Department.</i> B.A., M.A. and Ph.D., University of Illinois.
GEORGE WINTHROP BAYLEY. <i>Lecturer in Education.</i> Mus.B., New England Conservatory; M.M., University of Michigan.
HENRY MARSHALL BOOKER. <i>Professor of Economics and Business Administration.</i> B.A., Lynchburg College; Ph.D., University of Virginia.
THEODORA A. BOSTICK. <i>Associate Professor of History.</i> B.A., Mundelein College; M.A. and Ph.D., University of Illinois.
EDWIN CANNON BOYD. <i>Associate Professor of Economics and Business Administration.</i> A.B., University of North Carolina; M.B.A., University of Pennsylvania.
ROSS CLYDE BRACKNEY. <i>Professor of English.</i> A.A., St. Bernard College; A.B., St. Benedict's College; M.A., University of Notre Dame; Certificate, University of London; Ph.D., Stanford University.
DAISY DAVIS BRIGHT. <i>Associate Professor of Mathematics and Chairman of the Mathematics Department.</i> A.B. and M.A., University of Alabama.
MARVIN MILLER BROWN. <i>Assistant Professor of Retailing.</i> B.S., Virginia Commonwealth University; M.S., Virginia Polytechnic Institute.
CHIEK KEN CHANG. <i>Assistant Professor of Chemistry.</i> B.S., Taiwan University; Ph.D., University of Notre Dame.
JANE CHAMBERS. <i>Assistant Professor of English.</i> B.A., Pfeiffer College; M.A., University of Arkansas.
WALTER ROBERT COLLINS. <i>Assistant Professor of Mathematics.</i> B.S. and M.A., Boston College; Ph.D., University of Massachusetts.
CARL MORGAN COLONNA. <i>Assistant Professor of Economics and Business Administration.</i> B.B.A. and M.A., Old Dominion University.
GILBERT WILLIAM CRIPPEN. <i>Lecturer in Education.</i> B.S. and M.A., East Carolina University.
ELIZABETH-ANNE DALY. <i>Assistant Professor of Education.</i> B.A. and Ed.M., Boston University; Ed.D., College of William and Mary.
ROBERT DALE DOANE. <i>Acting Instructor in Political Science.</i> B.A., Lynchburg College; M.A., George Washington University.
LEE ERWIN DOERRIES. <i>Assistant Professor of Psychology.</i> B.A. and M.A., College of William and Mary; Ph.D., University of Rhode Island.
PHILBERT C. DOLEAG. <i>Assistant Professor of Economics and Business Administration and Chairman of the Economics and Business Department.</i> B.A., Loyola University; M.B.A., Syracuse University.
SISTER BENEDICT J. DONAHUE. <i>Lecturer in Fine Arts.</i> B.A., Briar Cliff College; M.Mus., University of South Dakota; M.A. and Ph.D., Catholic University.

- DAVID EDWARD DOOLEY. *Assistant Professor of Psychology*. B.A., Tampa University; M.S., Illinois State University.
- ROBERT JOHN DUREL. *Assistant Professor of Sociology*. A.A., St. Joseph Seminary; B.A., Notre Dame Seminary; M.A. and Ph.D., University of Notre Dame.
- ROBERT JOHNSON EDWARDS. *Associate Professor of Biology and Environmental Science and Associate Dean of Academic Affairs*. B.S., Hobart College; Ph.D., University of Rochester.
- STAN FEDYSZYN. *Assistant Professor of Communications*. B.S., Syracuse University; M.A., Baylor University.
- JERRY WILLIAM FERRY. *Instructor in Economics and Business Administration*. B.S.E.E., Northwestern University; M.B.A., Columbia University.
- CHARLOTTE DIANE FITZGERALD. *Instructor in Sociology*. B.A., Hampton Institute; M.A., University of Virginia.
- EDWARD LEE FLIPPEN. *Assistant Professor of Economics and Business Administration*. B.S., Virginia Commonwealth University; M.B.A., College of William and Mary.
- JANET ROSE FUCHS. *Lecturer in English*. B.A., Vassar College; M.A., College of William and Mary.
- JOHN RICHARD GUTHRIE, JR. *Assistant Professor of Modern Languages*. A.B., College of William and Mary; M.A., Middlebury College Graduate School of French in France.
- STEPHEN DAVID HALLIDAY. *Instructor in Economics and Business Administration*. B.A., Duke University.
- RITA MARLIER HAMM. *Lecturer in Fine Arts*. B.F.A. and M.F.A., Carnegie-Mellon.
- GARY G. HAMMER. *Professor of Chemistry and Chairman of the Chemistry Department*. B.S. and M.S., Wichita State University; Ph.D., Georgia Institute of Technology.
- ROBERT WILLIAM HEERMANN. *Assistant Professor of Psychology*. B.A., The George Washington University; M.A. and Ph.D., Michigan State University.
- HUGH CONWAY HILLIARD, JR. *Assistant Professor of Computer Studies and Chairman of the Computer Studies Department*. B.S., Virginia Polytechnic Institute; M.S., Harvard University.
- JOHN HOAGLUND. *Acting Assistant Professor of Philosophy*. Ph.D., Free University of Berlin.
- HORTON HOLCOMBE HOBBS. *Acting Instructor of Biology and Environmental Science*. B.A., University of Richmond; M.S., Mississippi State University; Ph.D., Indiana University.
- BRUCE CARL HOIBERG. *Assistant Professor of Psychology*. B.A. and M.A., University of Nebraska.

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- ELIZABETH F. JONES. *Associate Professor of Modern Languages*. A.B., State University of New York at Albany; Ph.D., University of North Carolina.
- RUTH L. KERNODLE. *Associate Professor of Sociology and Chairman of the Sociology Department*. B.A., Madison College; M.A., University of North Carolina.
- DAVID WESLEY KING. *Assistant Professor of Modern Languages*. B.S., Georgia Southern College; M.A., Laval University.
- KENNETH EUGENE KIRBY. *Acting Instructor in Sociology*. B.A., Washington and Jefferson College; M.A., College of William and Mary.
- WALTER LEE KNORR. *Instructor in Modern Languages*. B.A., Yale University; M.A. and Ph.D., Cornell University.
- ROBERT EUGENE KRAFT. *Assistant Professor of Physical Education*. B.A., Trenton State College; M.Ed., Pennsylvania State University; Ed.D., Syracuse University.
- RICHARD HUNTER LAWSON. *Associate Professor of Mathematics*. B.S., United States Military Academy; M.A., Duke University.
- HUGH GENE LOEBNER. *Assistant Professor of Sociology*. B.A., The Johns Hopkins University; M.A., New York University; Ph.D., University of Massachusetts.
- SANFORD EDWARD LOPATER. *Acting Assistant Professor of Psychology*. B.A., Miami University; Ph.D., University of Virginia.
- ALLAN BURNAM MAC LEOD. *Assistant Professor of English*. B.A., Rollins College; M.A., University of Arizona.
- VINOD P. MANYAR. *Associate Professor of Economics and Business Administration*. B.A. and M.A., Gujarat University; Ph.D., Wayne State University.
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- ALBERT EDWARD MILLAR, JR. *Associate Professor of English*. B.A., University of Richmond; M.A., University of South Carolina; Ph.D., University of Delaware.
- JAMES IRWIN MOORE. *Assistant Professor of Political Science*. B.S., Naval Postgraduate School; M.A.P.A. and Ph.D., University of Oklahoma.
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- JUDITH BOLLES MORRELL. *Lecturer in Education*. B.A., University of Connecticut; M.Ed., College of William and Mary.
- JAMES MATTHEW MORRIS. *Associate Professor of History and Chairman of the History Department*. A.B., Aquinas College; M.A., Central Michigan University; Ph.D., University of Cincinnati.
- RUTH KINNEY MULLIKEN. *Professor of Psychology*. B.S. and M.A., New York University; Ph.D., University of Utah.
- THOMAS JAMES MUSIAL. *Associate Professor of English and Dean of Academic Affairs*. A.B. and Ph.D., University of Notre Dame; M.S., University of Wisconsin.
- LEONARD B. NASON. *Instructor in Computer Studies*. B.S., University of Oklahoma; M.S., Stanford University.
- ST. ELMO NAUMAN, JR. *Associate Professor of Philosophy, Chairman of the Philosophy Department, and Director of Research and Development*. B.A., University of Chicago; B.D., Berkeley Divinity School; Ph.D., Boston University.
- LEE CHARLES OLSON. *Associate Professor of Biology and Environmental Science*. B.S., South Dakota State University; M.S. and Ph.D., University of Wisconsin.
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- WILLIAM PARKS. *Assistant Professor of History*. B.S. and M.A., Old Dominion University.
- LEA BUCHANAN PELLETT. *Assistant Professor of Sociology*. B.A. and M.A., College of William and Mary.
- RONALD LEE PERSKY. *Assistant Professor of Mathematics*. B.S., Purdue University; M.A., University of Cincinnati.
- ELIJAH GRAHAM PILLOW. *Associate Professor of Computer Studies and Director of Computer Center*. A.B. and M.T.S., College of William and Mary.
- WILLIAM HORACE POLIS. *Assistant Professor of Economics and Business Administration and Dean of Student Affairs*. B.A., University of Rhode Island; B.D., Colgate Rochester Divinity School; M.A., Syracuse University.

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- STANLEY WALTER PRESTON. *Adjunct I, Economics and Business Administration*. B.B.A., University of Oregon; M.B.A., College of William and Mary.
- JOHN WOLF PROW. *Assistant Professor of Geography*. B.A., University of Maryland; M.A., College of William and Mary.
- JEAN ELIZABETH PUGH. *Professor of Biology and Environmental Science and Chairman of the Biology and Environmental Science Department*. B.S., Madison College; M.A. and Ph.D., University of Virginia.
- ALICE FRACKER RANDALL. *Assistant Professor of Communications*. A.B., George Washington University; M.Ed., College of William and Mary.
- D. DORIS REPPEN. *Associate Professor of Modern Languages and Chairman of the Modern Languages Department*. B.A., University of Buenos Aires; M.A., University of California at Berkeley.
- URSULA VIRGINIA RIDDICK. *Assistant Professor of English*. A.B., College of William and Mary; M.A., Duke University.
- DONALD BENNETT RILEY. *Associate Professor of Economics and Business Administration*. B.S., College of William and Mary; M.B.A., University of North Carolina.
- MARTHA ROLLINS. *Lecturer in History*. B.A. and M.A., Syracuse University.
- MARY LUELLA ROYALL. *Assistant Professor of Physical Education*. B.S., Madison College; M.A., University of North Carolina, Greensboro.
- LAWRENCE JOSHUA SACKS. *Professor of Chemistry*. A.B., Drew University; M.S., The Pennsylvania State University; Ph.D., University of Illinois.
- JOYCE K. SANCETTA. *Professor of English*. B.A., College of Wooster; Ph.D., Yale University.
- WALLACE STEPHEN SANDERLIN, JR. *Professor of English and Chairman of the English Department*. A.B., College of William and Mary; M.A., Catholic University; Ph.D., University of Virginia.
- ROBERT MILLER SAUNDERS. *Associate Professor of History*. B.A. and M.A., University of Richmond; Ph.D., University of Virginia.
- CHRISTOPHER D. SCHEIDERER. *Assistant Professor of Modern Languages*. B.A. and M.A., Ohio State University.
- JOHN ROBERT SCOTT. *Instructor in English*. B.A., Stony Brook; M.A., University of Delaware.
- LILLIAN JEAN SEATS. *Associate Professor of Physical Education*. B.S. and M.S., Indiana University.

16/Instructional Staff

- GAIL JOAN SELLSTROM. *Assistant Professor of Psychology*. B.A., Sacramento State College; M.A., University of Illinois; Ph.D., Michigan State University.
- IMOGENE L. SIMMONS. *Assistant Professor of Sociology*. B.A., Manhattan Bible College; M.A., Kansas State University.
- RUTH O. SIMMONS. *Assistant Professor of Biology and Environmental Science*. B.S., Carson-Newman College; M.Ed., University of Virginia.
- FRANCES GILLIAM SLOCUMB. *Instructor in Psychology*. B.S., Old Dominion University; M.A., College of William and Mary.
- WAYNE ROSS SPENCER. *Lecturer in Economics and Business Administration*. B.S., East Carolina University; J.D., Marshall-Wythe School of Law, College of William and Mary.
- JOANNE S. SQUIRES. *Professor of Psychology*. B.S., Ohio University; M.S. and Ph.D., University of Pittsburgh.
- SUSAN S. ST. ONGE. *Assistant Professor of Modern Languages*. B.A., Vanderbilt University; M.A., University of Wisconsin; Ph.D., Vanderbilt University.
- MARY ANN SWINDLEHURST. *Assistant Professor of Economics and Business Administration*. B.B.A. and M.P.A., Arlington State College, University of Texas.
- MARY MACDONALD THOMPSON. *Lecturer in Music*. B.A., Erskine College; M.M., University of Cincinnati.
- JAMES WILLIAM THOMSON. *Assistant Professor of Economics and Business Administration*. B.A., University of California at Berkeley; M.A., California State University; Ph.D., University of Illinois.
- R. BEVERLEY VAUGHAN. *Assistant Professor of Physical Education*. B.S. and M.Ed., College of William and Mary.
- GARY STEVEN VAZZANA. *Assistant Professor of Economics and Business Administration*. B.A. and M.B.A., University of Missouri.
- JOAN MC KENNA WARD. *Instructor in Modern Languages*. B.A., Longwood College; M.A., University of Virginia.
- GEORGE RANDOLPH WEBB. *Associate Professor of Physics*. A.A., Old Dominion University; B.S., Massachusetts Institute of Technology; Ph.D., Virginia Polytechnic Institute.
- JANE KELLER WEBB. *Lecturer in Humanities*. B.A. and Ph.D., Tulane University.
- ROBERT WILLIAM WILDBLOOD. *Assistant Professor of Psychology and Director of Counseling Services*. B.S., M.S., and Ph.D., Purdue University.
- CECIL HARVEY WILLIAMS, JR. *Associate Professor of Political Science and Chairman of Political Science Department*. A.B., Duke Uni-

Instructional Staff/17

- versity; B.D., Crozer Theological Seminary; M.A., University of Virginia.
- JAMES CLAYTON WINDSOR. *Associate Professor of Psychology and President of the College*. B.A., College of William and Mary; B.D., Colgate Rochester Divinity School; M.S., Virginia Commonwealth University; Ed.D., University of Virginia.
- WILLIAM CHARLES WINTER. *Assistant Professor of Political Science*. B.S., State University of New York; M.A., The American University.
- EDWARD SPENCER WISE. *Associate Professor of Biology and Environmental Science*. B.S., Virginia Polytechnic Institute; M.S. and Ph.D., University of Illinois.
- LAWRENCE BARRON WOOD, JR. *Associate Professor of English and Director of Curriculum Development and Continuing Studies*. A.B., Hampden-Sydney College; M.A., University of Pennsylvania.

Instructional Staff on Leave 1973-74

- JOSEPH R. AMBROSE. *Assistant Professor of Political Science*. B.A., University of Denver; M.A., Georgetown University.
- HOLLY HO CHEN. *Assistant Professor of Chemistry*. B.S., National Taiwan University; M.S. and Ph.D., University of Southern California.
- HAROLD NELSON CONES, JR. *Assistant Professor of Biology*. B.S., Maryville College; M.A., Virginia Institute of Marine Science, College of William and Mary.
- JOSEPH FRANCIS HEALEY. *Instructor in Sociology*. A.B. and M.A., College of William and Mary.
- MARIO D. MAZZARELLA. *Instructor in History*. A.B., Providence College; M.A., University of Rhode Island.
- RONALD SAMUEL MOLLOCK. *Assistant Professor of Biology*. B.S. and M.S., San Diego State College.

History

The Christopher Newport College of the College of William and Mary was established and duly authorized by the General Assembly of Virginia in its 1960 session. The College receives its support from the General Assembly and from the fees paid by the students enrolled. The affairs of the College are directed by the Board of Visitors of the College of William and Mary, appointed by the Governor of the Commonwealth of Virginia. A President, appointed by the Board of Visitors, is in charge of the actual administration and courses of instruction at the College.

The College first enrolled students in September, 1961, at its initial home, a former public school building in downtown Newport News, provided through the generosity of the City and the School Board. The City of Newport News then purchased the site of the present campus, a 75-acre suburban tract deeded to the Commonwealth of Virginia in 1963.

Since 1964, with funds appropriated by the General Assembly, the College has constructed six buildings on the campus: three classroom buildings, a library-administration building, a campus center and a gymnasium. Detailed information on each of these may be found in the section entitled *College Buildings*.

The Christopher Newport College derives its name from that of Captain Christopher Newport, the illustrious English mariner who was one of the most important men connected with the permanent settling of Virginia. It was he who was put in "sole charge and command" of the small squadron of three vessels—the *Discovery*, the *Godspeed*, and the *Susan Constant*—which made the historic voyage culminating with the landing at Jamestown in 1607.

The intriguing name *Newport News* has long mystified scholars, and, though the actual naming of this area has vanished in the mists of antiquity, Miss Cerinda W. Evans, Librarian Emerita of the Mariners Museum, has devoted considerable time to exploring the matter and discovered that the earliest written reference to the Lower Peninsula appears in the Records of the Virginia Company dated November 11, 1619, as "Newport Newses."

In her essay "Newport News: What's in a Name," Miss Evans has noted that "the term *Newport* is undoubtedly derived from the name of Captain Christopher Newport After the arrival of the first colonists in Virginia in June 1607, it was recorded: 'The next day all received communion. The day following, Newport returned to England with newes, leaving in Virginia 100 persons, the 15th of June.' . . . It is not surprising, therefore, that the date for naming a portion of land 'Newport's News' was never recorded. The name was used

in the records, however, as if already established and well known, beginning with the date 1619."^{*}

Despite the lack of complete documentation of the facts concerning the naming of Newport News, it is appropriate and fitting that an institution of higher learning located in such an historic setting should derive its name from one who contributed so much to the early history and survival of the area.

Aims and Purposes

Christopher Newport College of the College of William and Mary is a co-educational, non-residential urban college offering an undergraduate educational program designed to meet the needs of a large metropolitan area which includes the City of Hampton, the City of Newport News, and several surrounding counties. The student body consists primarily of local students who commute from their homes or from military bases in the area.

As the urban expression of educational services of the College of William and Mary at the undergraduate level on the Peninsula, the College provides a curriculum which includes both the traditional liberal arts courses of study and special, practical programs organized to meet the unique needs of students who wish to prepare for specific vocations. As such, the College curriculum is designed to further the education of the transfer student from Thomas Nelson Community College as well as from other colleges, and to prepare students both for graduate and professional schools and for vocational fields requiring no further training beyond the undergraduate level. The College serves both full-time and part-time students by offering a schedule of classes both day and evening throughout the calendar year.

The program of the College is organized to meet the three obligations of an institution of higher education: teaching, research, and service.

Quality teaching is the primary concern of the faculty.

Since research is the basis of the intellectual life, the College provides active assistance and encouragement to its faculty engaged in scholarly, scientific, or creative projects.

Various services are rendered within the College and in the community. Extensive personal services such as counseling, tutoring, and job placement are provided in an effort to individualize and humanize the educational process. Faculty members and students are encouraged to participate in the social, business, cultural, and professional activities of the community. In turn, the community shares in the life of the

^{*} "Newport News: What's In A Name," by Cerinda W. Evans. *Daily Press New Dominion Magazine*, Sunday, March 26, 1967, p. 4.

College and offers to the College a training ground and laboratory for social, economic, and political studies.

Recognizing the complexity of a rapidly changing society and the expanding opportunities of the future, the College endeavors to maintain flexibility and openness in serving students, faculty, and community.

Accreditation

A legally constituted branch of the College of William and Mary, Christopher Newport College was given independent accreditation as a four-year, baccalaureate-granting institution in November of 1971 by the Southern Association of Colleges and Schools. The College is also accredited by the Commonwealth of Virginia.

The College Buildings

The development of the College's 75-acre campus, located in suburban Newport News, is well under way. At the present time, there are six buildings on the campus. All of them, except the Campus Center, have been named in honor of those English mariners and adventurers who, in the early 1600's, settled and governed Jamestown, explored this part of the New World, and contributed significantly to the early history of the Peninsula area of Virginia.

Christopher Newport Hall

Serving as captain of the *Susan Constant* and commander of the three small English ships which landed at Jamestown in 1607, Captain Christopher Newport founded and helped govern Jamestown, explored the two rivers which define the Virginia Peninsula, directed the drawing of the first map of the area, and gave his name to Newport News. Named in his honor were both the College and the first building on the permanent campus.

Completed in the fall of 1964, Christopher Newport Hall is a classroom building of 24,160 square feet which now houses the departments of computer studies, retailing, English, communications and creative arts, political science, history, and sociology. Also located in this hall are the College Bookstore, and a lecture hall which seats 224.

Gosnold Hall

Occupied in September, 1965, Gosnold Hall contains 42,389 square feet of classrooms, office, and laboratory space. It was named in honor of Captain Bartholomew Gosnold, the early navigator and colonizer

who served as Captain Newport's vice admiral, in command of the *Godspeed* on the Jamestown voyage. Both he and Captain Newport were among the seven men who served as the colony's first council.

Gosnold Hall houses the departments of biology, chemistry, mathematics, philosophy, and physics, as well as the Placement and Public Relations Office, the Reading Laboratory and the creative arts studio. Like Christopher Newport Hall, it also contains a large lecture hall seating 224. A greenhouse used by the biology department is adjacent to Gosnold Hall.

Ratcliffe Gymnasium

Captain John Ratcliffe commanded the third ship on the Jamestown voyage, the *Discovery*, served as one of the seven members of the first Virginia Council, and was chosen as the second Virginia governor. Ratcliffe Gymnasium was named in his honor.

Occupied in the fall of 1967, Ratcliffe Gymnasium is the home of the College's physical education department and the College's athletic activities, both intercollegiate and intramural. Consisting of 32,979 square feet, the building contains office and classroom space as well as two gymnasiums, one of which accommodates spectators at indoor athletic events.

Captain John Smith Library and Administration Building

Completed in the fall of 1967, this building of 32,576 square feet was named in honor of Captain John Smith, the famous adventurer, explorer, and author who was a promoter and organizer of the Virginia Company of London and landed with the colonists in 1607. He explored the Chesapeake Bay area, served on the colonists' first council, and was for a time governor of the colony.

The Administration Building houses the offices of the President, Dean of Academic Affairs, Dean of Admissions, Registrar, Director of Curriculum Development and Continuing Studies, and the Business Affairs and Personnel Office. Also located here are the College switchboard, faculty mail boxes, a conference room, and the maintenance department.

The Captain John Smith Library contains approximately 67,000 volumes which are being cataloged according to the Library of Congress classification scheme. Of this number, approximately 3,185 volumes are reference books, 7,000 are bound volumes of periodicals, 34,360 are circulating books, and 22,455 are microforms. The library receives 500 current periodicals and 20 daily newspapers.

The library building houses books on open shelves. It is completely air-conditioned and includes a reference room, two reading-stack rooms, a listening room, a browsing area, and an open-air reading deck. The library has a seating capacity of 205.

A Xeroxing service in the library enables students to copy pages from reference books and articles from periodicals, as well as personal items, for a fee of ten cents per page.

The library hours during the regular session are:

Monday-Thursday	8:00 a.m. to 10:00 p.m.
Friday	8:00 a.m. to 5:00 p.m.
Saturday	9:00 a.m. to 3:00 p.m.
Sunday	1:00 p.m. to 8:00 p.m.

Wingfield Hall

The College's fifth building, a classroom structure of 20,090 square feet, was occupied in June of 1970. It was named in honor of Edward Maria Wingfield. Along with Captains Newport, Gosnold, Ratcliffe, and Smith, as well as John Martin and George Kendall, Edward Wingfield was named to His Majesty's Council for the first colony in Virginia at Jamestown. From April to September of 1607, Wingfield served as the first president (or governor) of the colony.

Wingfield Hall houses the Counseling Center and the departments of business and economics, classical studies, education, modern languages and psychology.

The Campus Center

Scheduled for completion in the fall of 1973, the Campus Center is expected to become the focal point for a wide variety of activities. Contained in the 37,988 square foot building are a dining room, recreation areas, student publication and Student Government Association offices, student meeting rooms, seminar rooms, a photographic dark room, and a 391 seat theatre.

The theatre will be home to Christopher Newport College's developing curriculum in the performing arts. Included in the theatre wing are a full-thrust stage, an orchestra pit, projection facilities, dressing rooms, rehearsal space and shop and storage areas. The comprehensive design will make possible a wide variety of drama, concert and dance performances, as well as lecture and film series.

Student Life

Student Responsibilities, Rights, Activities, and Services

Responsibilities

Registration as a student at Christopher Newport College implies that the student will accept certain responsibilities which are essential to membership in the college community. A minimum number of rules and regulations provides an atmosphere of freedom and responsibility.

The discipline of the College is vested in the President by the action of the Board of Visitors. Infractions are considered by the Discipline Committee, which represents administration, faculty, and students. The College reserves the right at any time to suspend or dismiss a student whose conduct or academic standing is, in its judgment, unsatisfactory. Regulations governing conduct and student life are printed in the *Christopher Newport College Student Handbook*.

Student Dress

A student's dress and general appearance are considered to be a matter of personal taste; however, courtesy and a concern for the rights of others dictate that they be appropriate to the place and occasion. Students are expected to maintain standards of dress and comportment which are generally acceptable at the College and in the community.

Parking Regulations

Students who wish to use college parking facilities must register their automobiles with the Dean of Student Affairs, at which time an identification sticker will be issued. Owners of unregistered vehicles who use college parking areas will be subject to a fine.

All students are expected to park in the designated lots. Regulations concerning parking will be distributed with automobile registration information.

Rights

Students at Christopher Newport College are considered, with faculty and administrators, as vital in the educational process. While

it is recognized that each of these three groups has its own role in this process, it is also understood that cooperation and mutual respect are necessary for a significant learning experience to take place. Students play a major role in determining their own affairs in at least three areas: student government, the Honor Council, and certain faculty committees.

Student Government Association

All regularly enrolled students at Christopher Newport College are members of the Student Body. The powers of the Student Body include control over all student activities and are vested in regularly elected officers, known as the Student Government Association.

The Honor Council

The Honor Council, composed of six students nominated by the Student Government Association and elected by the Student Assembly, is given authority over the College's Honor System.

All students accept and respect the jurisdiction of the Student Government Association and the College's Honor System as they affect them both academically and socially and as they are explained in the *Student Handbook*.

Faculty Committees

Students are given a voice in College affairs through representation on appointed and certain elected faculty committees. Appointed by the Student Government Association, students now serve as voting members on the following committees: Academic Affairs, Athletics, Budget, Buildings and Grounds, Continuing Studies, Curriculum, Discipline, Library, Scholarship and Student Employment, and Student Activities.

Activities

Athletic Program

Intercollegiate activities offered are basketball, cross-country, indoor and outdoor track, golf, and tennis for the men. The women participate in intercollegiate field hockey and basketball.

A strong intramural program is offered for both men and women under the sponsorship of the Physical Education Department. The men's activities include flag football, basketball, volleyball, table tennis, golf, and softball. The women's activities include basketball, volleyball, softball, badminton, archery, and gymnastics.

The college teams play under the name "Captains." The College colors are royal blue and silver.

Organizations

Christopher Newport College encourages students to participate in the extracurricular life of the College as well as its academic life. A number of social, religious, service, and interest organizations have been established on campus. These are listed alphabetically below, along with a brief description of each. Students interested in creating additional clubs are encouraged to consult with the Dean of Student Affairs.

ASSOCIATION FOR COMPUTING MACHINERY promotes an increased knowledge of the science, design, development, construction, languages, and applications of modern computing machinery.

BIOLOGICAL SOCIETY of CNC strives to provide discussions of current topics of interest and provides service to the college.

BLACK STUDENT ASSOCIATION works toward a closer relationship between black students and the rest of the college community.

CHI PSI OMEGA Fraternity promotes service, good fellowship and high scholarship among its members.

CHRISTIAN SCIENCE ORGANIZATION at Christopher Newport College holds weekly testimony meetings for all interested persons and sponsors an annual lecture to help promote religious understanding on the campus.

COLLEGIATE CIVITAN CLUB is a service and citizenship oriented organization, sponsored by Civitan International.

DISTRIBUTIVE EDUCATION CLUB furthers the aims and purposes of the DE program at the college.

EQUALITY explores the issue of equal opportunities for both sexes in all fields of endeavor and strives to promote discussion of these ideas among the student body.

CHESS CLUB of CNC promotes a general interest in chess and provides instruction in chess at all levels.

CRAFT GUILD of Christopher Newport College encourages artistic creativity among the student body, faculty, and administration of CNC by providing a sales outlet for their crafted articles, and by promoting and sponsoring art shows and demonstrations.

GYMNASTICS CLUB provides opportunities for the unskilled as well as the skilled to train and practice activities on various gymnastics equipment.

GOVERNMENT CLUB strives to create student and faculty interest in public affairs, to develop career opportunities and to improve educational opportunities.

HISTORY CLUB encourages an interest in history and related fields through films, discussions and in field trips.

INTRAMURALS ACTIVITIES COUNCIL aids the division of Intramural Activities of the Department of Health and Physical Education in encouraging the student body to participate in wholesome and active recreation.

IOTA Pi Chapter of Alpha Kappa Psi, National Business Fraternity, strives to relate the Business Degree to the business community, instill the principles of good management, and to provide, through group activity, the environment necessary to accomplish these aims.

MONOGRAM CLUB consists of athletes who have won their letters in varsity intercollegiate competition.

NEWMAN APOSTOLATE, although a Catholic organization, welcomes members of all faiths who aid actively in service, social, and religious projects.

PATRICK HENRY FORUM explores the issues and ideas of our times in a nonpartisan manner.

PI KAPPA SIGMA SORORITY encourages leadership and fellowship among sisters and promotes the college in the community.

CNC PLAYERS is a group of students who are interested in all aspects of the theatre and who produce a number of plays a year.

PRE-MEDICAL SOCIETY provides an active and efficient communication link between pre-professional Health Sciences students and graduate or medical schools.

PSYCHOLOGY CLUB provides students the opportunity of serving the college and community through academic program and service.

SAILING CLUB of CNC promotes sailing among students and faculty. Skilled members form a team which races intercollegiately.

SOCCER CLUB promotes both physical and mental disciplines through effective soccer competition.

SOCIOLOGY CLUB stimulates interest in sociology and social welfare, provides service to the college, promotes cooperation between students and faculty, and provides opportunities for informal interaction among the members.

TENNIS CLUB of CNC promotes good fellowship and sportsmanship, and a better understanding of tennis as sport and leisure time activity.

WOMEN'S RECREATION SOCIETY fosters interest in athletics among the women students at the college.

Publications

The College encourages students interested in journalism, creative writing, art, and photography to become actively involved in one or several of the student publications listed on page 27.

THE CAPTAIN'S LOG, the College's official student newspaper, affords practice in journalistic writing, advertising, and photography.

THE TRIDENT, the College's yearbook, offers experience in art layout, advertising, and photography.

THE UNDERTOW, the campus literary magazine, publishes the creative art work, writing, and photography of interested students.

Student Personnel Services

The Counseling Center

The Counseling Center, located in Wingfield Hall, offers to new and enrolled students services that are an integral part of their educational experience. It offers guidance and counseling in three main areas: educational counseling—help in selecting the proper courses of study and in establishing effective study habits; vocational counseling—aid in determining the profession or position for which the student is best suited; and personal adjustment counseling—assistance in overcoming difficulties in social adjustment and other personal problems.

In vocational counseling a testing and information service is provided. Vocational interest and aptitude tests are available to all students who desire help in choosing their major fields of study.

An important function of the Counseling Center is its work with new students. After the placement tests are complete, each incoming student has an individual interview with a counselor. He learns the results of the tests and discusses course possibilities. The final decision reflects not only the placement testing but also the high school achievement and the student's own interests. The relationship with each student is one whose aim is to foster growth in the student in such a way as to enable him to meet his developmental needs more effectively with improved insight.

A tutorial program and developmental reading laboratory are available to students who need special assistance.

Psychiatric consultation is available through the Riverside Mental Health Clinic. In case of referral, the appropriate fees for the services of the Clinic will be paid by the student and/or his parent or guardian.

Loans and Scholarships

The College offers financial assistance to deserving students who wish to defray a part of their total college expense. A full description of scholarships and loans may be found in the *Financial Assistance* section.

The Placement Office

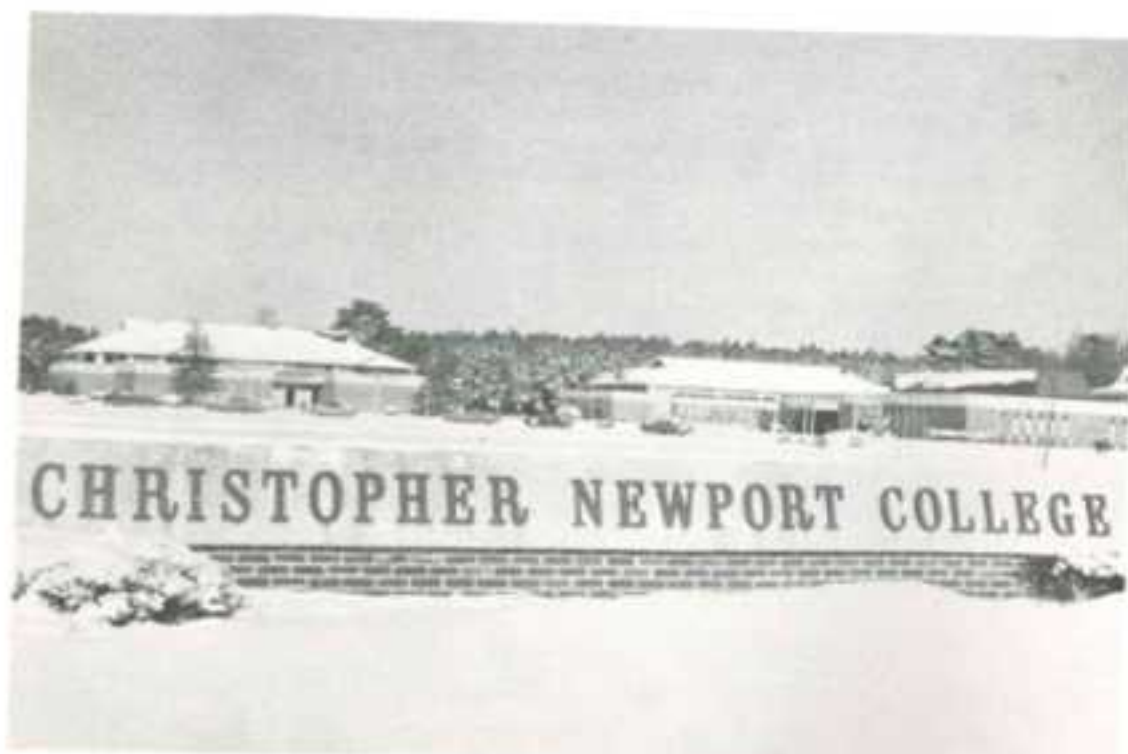
The Placement Office assists students in finding part-time employment on and off campus while in college. In addition, the office assists those students seeking full-time employment prior to or after graduation by arranging interviews for them with representatives of businesses, industries, and government, both local and national.

The Reading Laboratory

The Reading Laboratory is a service of the College for all students who wish to improve their reading and study techniques. The Laboratory provides individual and group instruction and practice in skills which are needed for academic success, such as improving vocabulary, visualizing, organizing, concentration, improving speed, and developing a procedure for studying.

A student may request a reading diagnosis or workshop, or he may be referred to the Reading Laboratory by the Counseling Office or faculty. Counselors will recommend Laboratory work to incoming freshmen whose reading skills might be benefited by this experience.

There is no fee for Reading Laboratory services.



Admission to College

Christopher Newport College does not discriminate with regard to race, color, religion or national origin.

Depending on the applicant's intention, need, and/or educational background, he may present his application to either the Dean of Admissions or the Director of Admissions for Unclassified Students. The Dean of Admissions will receive all applications for immediate admission into a degree program; the Director of Admissions for Unclassified Students will receive all other applications. Applicants to either office may request *part-time* status (less than twelve semester hours or the equivalent, including non-credit preparatory work and required physical education.)

That applicant accepted into the College by the Dean of Admissions shall be known as a *Classified Student*; that applicant accepted into the College by the Director of Admissions for Unclassified Students shall be known as an *Unclassified Student*. Either type of student may be assigned to a part-time status when such would seem academically beneficial to him, the exact course load being determined during the interview he has with his counselor.

Applicants for admission must present their applications on printed forms secured from the Dean of Admissions or the Director of Admissions for Unclassified Students, Christopher Newport College, Shoe Lane, Newport News, Virginia. (The College's mailing address is Box 6070, Newport News, Virginia 23606). Applicants will be considered for admission in August and January of each academic year. (Applicants for Summer Session only should contact the Director of Admissions for Unclassified Students.)

Application deadline: Applicants wishing to enroll as degree-seeking students must file their applications for the fall semester by August 1, and for the spring semester by December 15. After the deadlines applicants will be referred to the Director of Admissions for Unclassified Students for admission as Unclassified Students. A student so admitted may file for a change of status at a later date. (NOTE: An applicant must be admitted to classified status *before* he enrolls in his last thirty credits applicable toward his degree.)

Admission of Foreign Students

Students who are not American citizens, whether applying for admission as classified (degree-seeking) or as unclassified students, must have official transcripts sent directly to the Office of Admissions from all secondary schools and/or colleges attended. The Test of English as a Foreign Language is also required.

Foreign students should be certain that they have adequate funds before they come to the United States for study. Christopher Newport College has no funds for financial assistance to foreign students, nor are there dormitory facilities for any students.

Application deadlines for foreign student applicants:

For the fall semester: July 1

For the spring semester: November 15



Admission to Classified (Degree-seeking) Status

Freshman Applicants

Admission Requirements

The general requirements for admission to Christopher Newport College as a freshman are as follows:

- (1) Graduation from an accredited secondary school or its equivalent as shown by examination (see *Admission Based on Equivalency Tests*).
- (2) An average of C or better in a program consisting of a minimum of sixteen units (grades nine through twelve).

Preferred credits include four units of English, three of mathematics (two algebra, one plane geometry), two in history, two in science (including one laboratory science), and two in foreign language (ancient or modern). A student who plans to major in mathematics, science, or engineering will be better prepared for such a program if he has included in his high school studies a fourth unit in higher mathematics and a second laboratory science.

- (3) Acceptable scores on the Scholastic Aptitude Test of the College Entrance Examination Board.*

(January applicants must take the SAT no later than December; otherwise, scores reach the College too late for processing for second semester admissions.)

- (4) Recommendation for admission by the secondary school principal or guidance counselor.

Admission Based on Equivalency Tests

The College will consider for admission adults who have satisfactorily completed the military or civilian high school equivalency tests. In addition to the scores achieved on these tests and the certificate of equivalency, the College will require the applicant's partial high school record and his scores on the Scholastic Aptitude Test. If

*The College will also evaluate any available scores on standardized tests administered to the student by his secondary school.

the applicant lacks necessary preparation in specific high school subjects, he may be asked to seek such preparation in order to qualify for admission.

Application Procedures

Preliminary Application The first step in the admission procedure is to complete the preliminary application card and mail it, with the application fee of \$10.00, to the Business Manager, Christopher Newport College, Newport News, Virginia 23606. The application fee is non-refundable, and will not be applied toward other college fees. If the student does not enroll in the semester for which he originally applied, the fee may be carried over to the next semester only.

Application for Admission Upon receipt of the preliminary application and fee, the College will send the applicant the detailed Application for Admission. This application and the Statement of Responsibility should be completed and returned to the Dean of Admissions, Christopher Newport College, Newport News, Virginia 23606.

Secondary School Record The transcript form should be delivered to the secondary school with instructions as to when it should be sent to the College, based on the following:

Early Consideration An applicant who has taken the Scholastic Aptitude Test or plans to take it by December of his senior year, and who has a strong school record (B average or higher), may wish to receive early consideration. If this is the case, he should request that his transcript, with the grades through the junior year, be returned to the College immediately.

Consideration after mid-year senior grades are available. The applicant to whom the early consideration does not apply should have his transcript sent after his mid-year senior grades are available.

Any applicant who has already graduated from high school should have his record sent immediately.

G.E.D. Certificate Holders An applicant who has completed the military or civilian high school equivalency tests is asked to furnish the following items:

- (1) G.E.D. Certificate and scores.
- (2) Partial high school record (send transcript form to last school attended).
- (3) Records of any preparatory work taken since leaving high school, such as USAFI courses, adult education courses, etc.

Scholastic Aptitude Test of the College Entrance Examination Board Each applicant for admission to the Freshman Class is required to take the Scholastic Aptitude Test. The College prefers that the applicant take the July, November, December, or January test, but scores from the March or April test are acceptable. However, January applicants must take the SAT no later than December; otherwise, scores reach the College too late for processing for second semester admissions. A student may arrange to take the test through the guidance office at his high school. An applicant who is no longer in school may pick up an application for the test at the College admissions office or may write to Educational Testing Service, Box 592, Princeton, New Jersey 08540.

Veterans An applicant who is a veteran is requested to furnish the College with a copy of his notice of separation from military service, Form DD 214. If he will not be released until immediately before the enrollment date, he will be expected to furnish the form as soon as it is available.

Interviews An interview is *not* routinely required for admission. After admission, each student will be scheduled for a counseling interview to assist him in planning his academic program.

Transfer Applicants

Admission Requirements

It is recommended that an applicant seeking transfer to Christopher Newport College as a classified student present an overall C average from a four-year college or from a college parallel program in a two-year college. Students who have been placed on academic probation or suspension from their last college attended will not be admitted to classified status. Students in technical-occupational programs from the two-year colleges will be considered on an individual basis.

The student who does not meet this requirement but wishes an opportunity to qualify ultimately for admission as a *Degree-seeking Student* may consider applying as an *Unclassified Student* (see *Admission to Unclassified Status*).

Application Procedures

Preliminary Application The first step in the admission procedure is to complete the preliminary application card and mail it, with the application fee of \$10.00, to the Business Manager, Christopher Newport College, Newport News, Virginia 23606. The application fee is

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non-refundable, and will not be applied toward other college fees. If the student does not enroll in the semester for which he originally applied, the fee may be carried over to the next semester only.

Application for Admission Upon receipt of the preliminary application and fee, the College will send the applicant the detailed Application for Admission. This application and the Statement of Responsibility should be completed and returned to the Dean of Admissions, Christopher Newport College, Newport News, Virginia 23606.

College Records The applicant must request that all colleges he has attended send to Christopher Newport College official transcripts of his record.

The student who is currently enrolled in a college or university should have his transcript sent after completion of the first semester (or the second quarter) of the current academic year. An applicant who has completed less than one semester, trimester, or quarter at another college must nevertheless present an official transcript from that college. *Concealment of previous attendance at a college or university is cause for cancellation of admission and registration.*

The applicant who is applying for the semester beginning in January should have all transcripts sent immediately following formal application to the College. If he is in his first semester of college, he must have his mid-semester grades sent to the College as soon as they are available.

Recommendation Form The applicant should have his dean or adviser complete and return to the College the recommendation form included with his application. (Exception: If the applicant has attended only a summer session or evening college program as an unclassified or special student, he should note this fact on the form and return it to the College with his application.) If the applicant has attended more than one institution, he should send the form to the last college he attended as a regular, degree-seeking student.

Secondary School Record If the applicant has completed less than a full year (24-30 semester credits or 36-45 quarter credits) of college work applicable to a baccalaureate degree, or if his college credits have been acquired through extension or correspondence courses, he should request the principal of his secondary school to send the College a transcript of his record. A community college student in a technical-occupational program may be considered, but must submit his secondary school record. This record is needed *in addition to* his college record(s).

Advanced Placement and/or Credit Earned by Examination

The College offers to entering students the opportunity to obtain advanced placement and/or credit in either of the following programs:

1. The Advanced Placement Program of the College Entrance Examination Board.

This program offers to able and ambitious students the opportunity to qualify for advanced placement and credit in American history, art, biology, chemistry, English, European history, French, German, Latin, mathematics, music, physics, and Spanish. Applicants for advanced placement should plan to take the College Board Advanced Placement Tests offered each May by secondary schools teaching Advanced Placement courses. The test results will be evaluated by the College and official notification of the decision sent to the student.

2. The College-Level Examination Program of the College Entrance Examination Board.

a. Subject Examinations

Individuals who have acquired considerable knowledge of a subject area through wide and careful reading, independent study, non-accredited instruction, or some other method now have the opportunity to earn college credit through examination. Subject exams currently available are: Introductory Accounting, Afro-American History, American Government, American History, American Literature, Biology, Introductory Business Law, Introduction to Business Management, Introductory Calculus, General Chemistry, College Algebra, College Algebra-Trigonometry, Elementary Computer Programming: Fortran IV, Computers and Data Processing, Introductory Economics, Educational Psychology, English Composition, English Literature, Geology, History of American Education, Human Growth and Development, Analysis and Interpretation of Literature, Introductory Marketing, Medical Technology: Clinical Chemistry, Hematology, Immunohematology and Blood Banking, Microbiology, Money and Banking, General Psychology, Introductory Sociology, Statistics, Tests and Measurements, Trigonometry, and Western Civilization.

In order to earn credit at CNC, students taking any of the tests *must* complete the optional essay section as well as the objective test.

A list of examinations for which credit may be given and the required scores therefore may be obtained from the CLEP Center Administrator in the Counseling Center.

b. General Examinations

The College is now engaged in a pilot project involving the CLEP General Examinations. The progress of a selected group to whom advanced placement and credit have been given will be followed for a two-year period. Out of the study will come a policy concerning future use of the General Examinations.

Students planning to enter CNC who have had no prior transferable college work, and who, by their work or other experience, feel they have gained general book knowledge, are eligible to take the General Examinations. It should be emphasized that the general-level examinations are equivalent to end-of-the-year exams, and require more than a cursory knowledge of the areas. If all areas are passed, 30 hours of college credit can be earned.

Credit can also be earned in foreign language by taking the foreign language test in any of the following: French, German, and Spanish. Successful completion by examination can earn from four hours to 10 hours.

CLEP Test Center

Christopher Newport College is a test center for the administration of the CLEP tests, both Subject and General. Interested students should contact the CLEP Center Administrator in the College Counseling Center.

No more than thirty semester credits may be applied toward the degree for work completed in extension, special institute or correspondence courses, or through the College Entrance Examination Board Advanced Placement Program, College-Level Examination Program.

Admission to Unclassified Status

The College recognizes its obligation to meet the needs of persons whose interests and backgrounds are not necessarily served through participation in the College's degree programs but who could benefit from portions of the College's regular curriculum or any special programs created by the College. To meet this need, the College permits individuals to enroll as unclassified (non degree-seeking) students in both day classes (when space is available) and in evening classes. Such students include those who desire to enroll in courses for personal

and/or occupational improvement; those whose prior academic records are either too old or too inadequate to testify to their ability to cope immediately with the diversity and structure of a degree program and who wish to demonstrate that they can do so; and those who desire to earn academic credit applicable to a degree from another college or university.

Unclassified Students receive academic credit in the same manner as Classified Students.

Unclassified Students will be expected to meet prerequisite requirements for individual courses, unless excused by the Dean of Academic Affairs because of occupational or other experience.

Requirements for Admission to Unclassified Status

An applicant *without* prior college attendance must (1) be a graduate of an accredited secondary school, or (2) have earned a GED Certificate.

An applicant *with* prior college attendance will be considered on the basis of his college record(s). If an applicant has been placed on academic suspension by the college he previously attended, he may be considered for admission to Christopher Newport College as an Unclassified Student if a period of at least one semester or two quarters has passed.

An Unclassified Student may be permitted to carry a full-time academic load if his past academic records indicate sufficient aptitude and preparation. In some cases the applicant for full-time admission may be limited to a part-time or minimum full-time load for his first semester of studies.

Application Procedures for Admission to Unclassified Status

- (1) All applicants must fill out the form *Application for Admission to Unclassified Status*.
- (2) All applicants must provide data supportive of their application, this data being determined by the nature and quantity of past academic experience:
 - (a) If the applicant is a high school graduate, he must have his high school forward an official transcript of his high school record.

- (b) If the applicant is not a high school graduate but has earned a GED Certificate, he must have his high school forward an official transcript of his high school record and his certifying agency forward an official transcript of his GED Certificate and scores.
- (c) If the applicant has attended college but has earned less than 15 transferable semester credits, he must have his high school or certifying agency forward the information in (a) or (b) above; have his college(s) forward official transcript(s) of his record; and have the registrar at the last college attended as a full-time or degree-seeking student fill out the Certificate of Academic Standing.
- (d) If the applicant has attended college and earned 15 transferable semester credits but has not yet been graduated, he must have his college(s) send official transcript(s) of his record and have the registrar at the last college attended as a full-time or degree-seeking student fill out the Certificate of Academic Standing.
- (e) If the applicant is a college graduate, he must have the registrar at the college that graduated him signify such on the Certificate of Academic Standing.

Admission as an Auditing Student

An individual who wishes to take courses on an auditing basis should contact the Director of Admissions for Unclassified Students for a special application form. Auditors are *not* required to furnish any academic documentation.

Evaluative Procedures

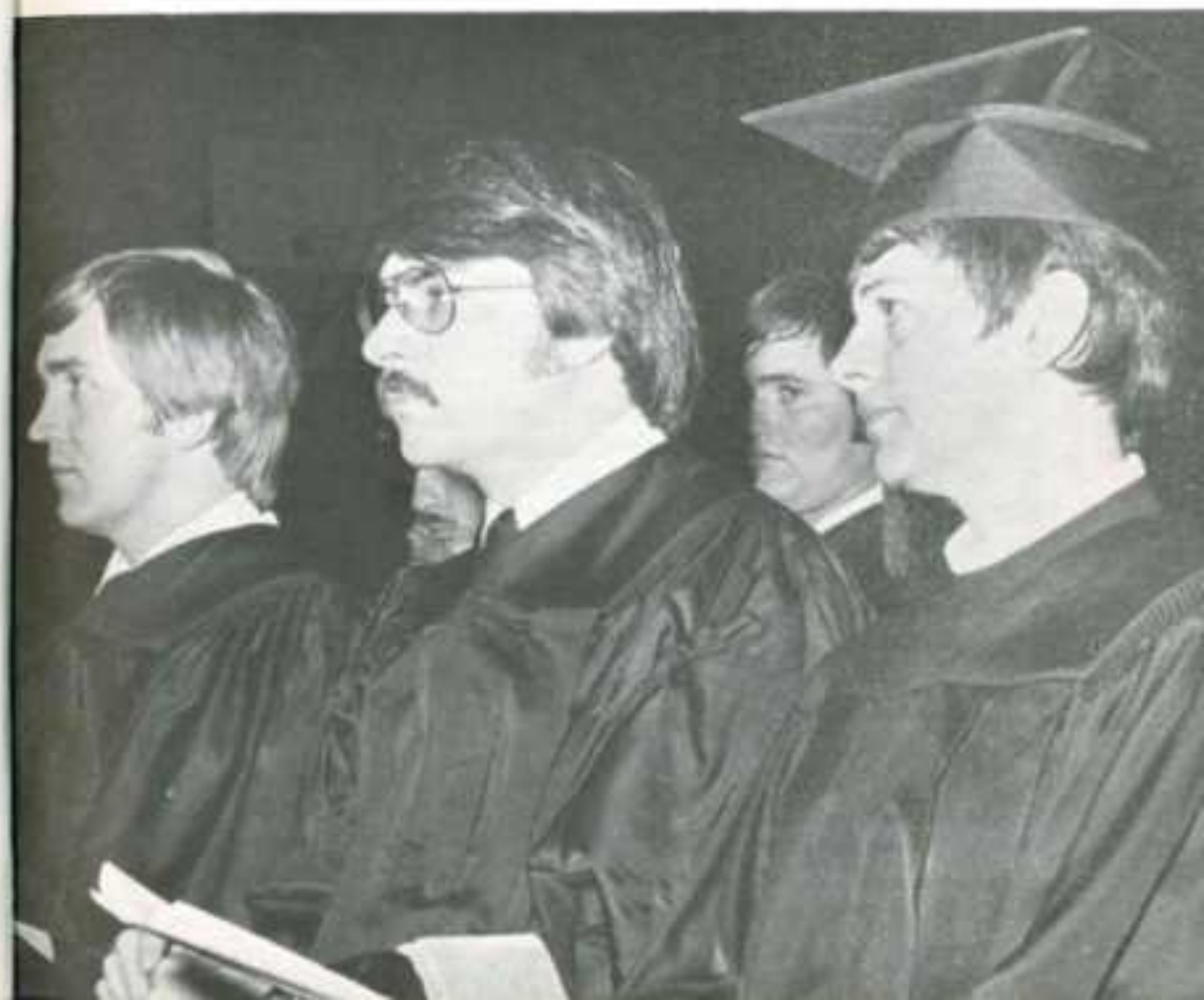
After all materials have been received, they will be reviewed carefully and the applicant will be informed in writing of the decision. Upon due acceptance, applicants are entitled to register and receive college credit for all work satisfactorily completed.

Occasionally an applicant for admission to Unclassified Status cannot obtain in time for registration the necessary supporting documents (transcripts, etc.). In this case, with consent of the Director of Admissions for Unclassified Students, he may be admitted on a part-time basis as a Conditional Student. The College will be forced to cancel the registration of any student whose records, upon arrival, indicate that he is ineligible for admission. If a conditional student's records do not arrive by the end of the semester, the College will be unable to release grade reports, transcripts, or any other information concerning his scholastic record at Christopher Newport College.

Requirements to Change to Classified Status

Admission to the Unclassified Status does not mean that a student cannot enter Classified Status at a later date. While an unclassified student may apply at any earlier time to be admitted into Classified Status, he must apply for such prior to enrollment in the last thirty credit hours applicable to a degree; however, in the case of the B.A. and B.S. degrees it is highly advisable that he make this application prior to the last sixty credit hours applicable to the degree. Forms for this are available from the Dean of Admissions.

Application does not mean acceptance; acceptance comes only after an affirmative review of the applicant's records by the Committee on Admissions.



Fees and Expenses

The College Reserves the Right to Make, with the Approval of the Proper Authorities, Changes in Tuition and Other Fees at Any Time.

Payment of Application Fee

In compliance with the policy of the other tax-supported institutions of the Commonwealth of Virginia, the College will require a non-refundable fee of \$10.00 to cover the cost of processing the application for admission as a classified student. A check or money order for \$10.00, made payable to Christopher Newport College, must accompany the preliminary application of each student. It is not to be considered as a partial payment on the normal tuition charges. If the student does not enroll in the semester for which he originally applies, the fee may be carried over to the next semester only.

No fee is required of anyone applying for admission as an unclassified student. If the student wishes to change his status to classified, he must pay the required non-refundable fee of \$10.00.

Payment of Accounts

Deposit—A deposit of \$25.00 is required of a new student to reserve his space at the College. All students, new and currently enrolled, who plan to enroll in the fall are required to pay the deposit of \$25.00. This payment is applied on the student's regular college account.

A student enrolling for the first time shall not pay the deposit until he has been notified of his admission to the College. A student already enrolled may make his deposit at any time after the beginning of the second semester, but it must be paid before June 3. The deposit will be returned only to a student whose notice of withdrawal is received in writing, postmarked no later than July 15 for the fall semester, or no later than December 1 for the spring semester.

The College has established a procedure for early registration for all classes, both for current and new students. All students should be aware that no classes will be reserved for any student who has not paid the deposit.

Tuition and fees are due by the time of registration. All checks should be made payable to Christopher Newport College.

Tuition and Comprehensive Fee

Tuition and Comprehensive Fee (\$21.00 per hour per semester for In-State students, not to exceed \$315.00; and \$31.00 per hour per semester for Out-of-State students, not to exceed \$465.00) is a payment towards the general maintenance and operating costs of the College. The Comprehensive Fee of \$3.00 per semester hour is non-refundable. Military students, enrolling under a plan in which the Armed Services pay part of the costs, need pay at the time of registration only that portion of the tuition fee for which the individual is personally responsible. Tuition assistance papers must be provided at the time of registration.

An auditing fee of \$21.00 is charged for each semester credit.

One continuing Education Unit (CEU) is equal to 10 hours. The fee for any course carrying such units will be \$18.00 per CEU, except where indicated in the course description.

Pre-College Development Service courses will be \$36.00 per course. (Exception: The reading course is offered as a free service to any student enrolled in credit courses at the College).

Classification as a Virginia Student

The Code of Virginia § 23-7 provides that:

"No person shall be entitled to the admission privileges, or the reduced tuition charges, or any other privileges accorded only to domiciliaries, residents or citizens of Virginia, in the State institutions of higher learning unless such person is and has been domiciled in Virginia for a period of at least one year prior to the commencement of the term, semester or quarter for which any such privilege or reduced tuition charge is sought, provided that the governing boards of such institutions may set up additional requirements for admitting students.

A person who enrolls in any such institution while not domiciled in Virginia does not become entitled to admission privileges, or reduced tuition charges or any other privileges accorded only to domiciliaries, residents or citizens of Virginia by mere presence or residence in Virginia. In order to become so entitled, any such person must establish that, one year before the date of his alleged entitlement, he was at least eighteen years of age or, if under the age of eighteen, he was an emancipated minor, and he abandoned his old domicile and was present in Virginia with the unqualified intention of remaining

permanently in Virginia after leaving such institution. The burden of establishing these matters by convincing evidence is on the person alleging them.

Notwithstanding marriage to a person who is not domiciled in Virginia, a person who is classified or classifiable at the date of his or her marriage as eligible to receive the privileges herein described, may receive or continue to receive such privileges until he or she abandons his or her Virginia domicile other than through any presumption of law attaching to the ceremony of marriage."

Eligibility For Virginia Status:

NOTE: Domicile is not the same as residence. See below.

A student whose father (or legal guardian) is and has been domiciled in Virginia for more than twelve months will be eligible for Virginia status if his domicile is controlled by his father's.

A student whose domicile is controlled by his father's (or legal guardian's) will not be eligible for Virginia status unless his father or legal guardian has been domiciled in Virginia for at least the twelve months immediately preceding the date of claimed entitlement.

A student who has come to Virginia while domiciled in another state may become eligible for Virginia status after he has been domiciled in Virginia for twelve months. However, such students are requested to consider carefully the following sections on Domicile and Change of Domicile.

Domicile:

Domicile is a technical legal concept, and is the place (state) where a person resides with the unqualified intention of remaining permanently and with no present intention of leaving. A person can only have one domicile at any one time.

A person acquires his father's domicile at the moment of birth and his domicile will generally change with changes in his father's domicile until he marries, reaches 18 or becomes emancipated at an earlier age. [Should legal guardianship shift for any reason (including the father's death, separation or divorce) the child's domicile will be controlled by that of his mother or other legal guardian.]

Change of Domicile:

A person may change his state of domicile by entirely abandoning his old state of domicile with the sincere and *unqualified intention of*

remaining permanently in the new state of domicile. But, there is a presumption in law that a domicile, once acquired, subsists until a change is proved, and the burden of proving the change is on the party alleging it. *Intent to abandon an old domicile is not sufficient; a new domicile must actually be acquired.*

Residence in a state for the purpose of acquiring an education at an institution in that state does not establish domicile. This is because the residence is primarily for a temporary and limited purpose. A student who wishes to change his domicile from another state and claim Virginia must establish by convincing evidence that he unqualifiedly intends to remain permanently in Virginia after completing his studies. Thereafter, he must wait one year from the time his domicile shifts to Virginia before he will be entitled to Virginia status.

Incidental Expenses

It is impossible to estimate the exact cost to students of clothing, travel, and incidental expenses. These are governed largely by the habits of the individual. The College endeavors to cultivate frugality on the part of the students, and equally to minimize temptations to extravagance.

The cost of books depends somewhat on the courses taken, but will seldom be less than \$100.00 a year and does not usually exceed \$150.00 a year.

Money for books cannot be included in checks covering college tuition and fees; books should be paid for in cash or by separate check when purchased. Checks for books should be made payable to the C.N.C. Bookstore.

Non-Recurring Fees

Application Fee	\$10.00
Diploma Fee:	
Associate's degree	\$ 5.00
Bachelor's degree	\$10.00
Academic Regalia:	
Associate's degree	\$ 5.00
Bachelor's degree	\$10.00

Bridge and Tunnel Tickets

Students using bridge or tunnel facilities for which a toll is charged may purchase ticket books at reduced rates from the Business Manager. Students are eligible for this privilege only if they

use toll facilities when commuting from home to the College on the day of a scheduled class. Identification cards must be obtained from the Registrar before tickets can be purchased.

Withholding of Transcripts and Degrees in Case of Unpaid Accounts

Transcripts or any other information concerning scholastic records will not be released until college accounts are paid in full. Degrees will not be awarded to persons whose college accounts are not paid in full.

Cashing of Student Checks

The College does not have facilities for handling deposits for students' personal expenses but the Business Manager's Office is prepared to cash checks up to \$25.00. All such checks should be made payable to the student or to cash. Under our regulations as a State institution, we are not permitted to cash checks made payable to Christopher Newport College.

Refund Policy

Notice of intention to withdraw must be made on a form secured from the Office of the Registrar.

No refund will be made to a student who withdraws unofficially, or who has been required to withdraw by the College, regardless of the date of withdrawal.

All refund checks will be sent to the student's address from the State Treasurer's Office in Richmond, Virginia.

Subject to the following regulations and exceptions, all charges made by the College for fees are considered to be fully earned upon the completion of registration by the student.

Refunds to Students Withdrawing from Classes

1. A student withdrawing from all classes or dropping a class prior to the period of registration (See *College Calendar* for exact date) is entitled to a refund of all reimbursable tuition payments. The Comprehensive Fee is not reimbursable. For example: A full-time student who has paid \$315.00 would receive a full refund less the Comprehensive Fee of \$31.00 and a Processing Fee of \$10.00 for a total refund of \$274.00.

2. If a student withdraws from all classes or drops a class within the subsequent two-week period, the College will refund 50% of the reimbursable tuition charges. For example: A full-time student who has paid \$315.00 would receive a 50% refund less the Comprehensive Fee of \$31.00 for a total refund of \$142.00.

3. A student who withdraws from all classes or drops a class after the second week (See *College Calendar* for exact date) will not be entitled to a refund.

4. All students enrolled in a class which the College cancels for any reason will receive a full refund of tuition and fees.

5. No refunds will be given for unofficial withdrawals or drops.

6. No refunds will be given for non-credit courses.



Financial Assistance

The College offers financial assistance to deserving students. Awards are made on the basis of need, character, and status as a classified student, and are made for one year only. The recipient of an award may apply for renewal provided he maintains a satisfactory academic record. In order to be eligible for the State Scholarship and Loan Programs, an applicant with an established need is required to be accepted for enrollment as a full-time student. In the case of the Federal Programs, i.e., National Direct Student Loans, College Work-Study, and Supplemental Educational Opportunity Grants—but excluding the new Basic Opportunity Grants Program—an otherwise eligible applicant is required to be accepted for enrollment on at least a half-time basis. The new Basic Opportunity Grants Program is limited during the program's first year of operation (school year 1973-74) to qualified first-time full-time students.

The types of aid include scholarships, grants, loans, and student employment. Because all scholarship funds are given either by the Commonwealth of Virginia or by local organizations or individuals, the College can offer scholarships only to Virginia residents. Loans, grants, and employment are available to out-of-state students.

Any classified student or prospective student may apply for financial aid. An application may be filed before a student is admitted to the College, but it will not be processed until notification of acceptance is given.

It is recommended that both new and renewal applications for the Fall Semester be filed with the College prior to May 1; late applicants will not be considered after September 15. The deadline for the Spring Semester is November 15. The deadline for the Summer Session is April 15. The *Parents' Confidential Statement* or the *Student's Financial Statement* must be filed at least four weeks ahead of the deadline.

In addition to the application form, which may be obtained from the office of the Director of Financial Aid, the student must submit a *Parents' Confidential Statement* to the College Scholarship Service. This form may be obtained from the student's high school, from the College, or from the College Scholarship Service, Box 176, Princeton, New Jersey 08540; Box 881, Evanston, Illinois 60204; or Box 1501, Berkeley, California 94701. Students who consider themselves "independent" students should obtain a *Student's Financial Statement* from the College or from the College Scholarship Service at any of the above addresses. A student is *not* independent if he: a. Has been

claimed or will be claimed as an exemption for Federal Income Tax purposes by either parent or any other person (except spouse) for the calendar year(s) in which aid is requested or the calendar year preceding the academic year for which such aid was requested; or b. Has received or will receive support of more than \$200 of any kind from one or both parents or guardian in the calendar year(s) for which aid is requested or the calendar year preceding the academic year for which such aid was requested; or c. Has resided or will reside with his parents or guardian during the calendar year(s) in which aid is requested or during the calendar year preceding the academic year for which aid was requested. Residence does not include temporary visits of up to three weeks at a time.

Endowed Scholarships

CIVITAN CLUB OF NEWPORT NEWS SCHOLARSHIP

A grant established in 1966. The scholarship awards \$300 per academic year to a graduate of a Peninsula high school, and is made on the basis of character, need, and ability. The scholarship, upon application, may be renewed for the sophomore year, providing the student is maintaining at least a C average.

COATS AND CLARK, INC. SCHOLARSHIP

A grant established in 1967. The scholarship awards \$500 per academic year to an entering freshman, preferably a resident of the Peninsula area. Special consideration will be given to children of employees of Coats and Clark, Inc. Upon application, the scholarship may be renewed, providing the student maintains an academic standing in the upper half of his class.

HAMPTON-NEWPORT NEWS-YORK COUNTY CITY PANHELLENIC SCHOLARSHIP

A grant of \$300 per academic year, made on the basis of need and academic qualifications, to a full-time woman student who is entering her sophomore year, and who plans to further her college education.

HAMPTON ROADS JAYCETTES SCHOLARSHIP

A grant of \$200 per academic year to a full-time woman student.

HATTEN MEMORIAL FUND

Established in September 1965 by Mr. Earl R. Hatten in memory

of his late wife, Leone Quackenbush Hatten, a grant of \$10,000 has been invested by the College and the earnings from this fund are being used for scholarship purposes for deserving senior students.

JULIA TUCKER HERMAN MEMORIAL SCHOLARSHIP

An anonymous grant established in 1965. The scholarship, based strongly on need, grants varying amounts up to a maximum equaling the session tuition for a Virginia student.

THE JUNIOR WOMAN'S CLUB OF HILTON VILLAGE SCHOLARSHIP

A scholarship fund was established in 1967 to assist students interested in becoming kindergarten teachers. Grants will vary according to the individual student's need. Special consideration will be given to prospective elementary teachers.

LEON HODGE MEMORIAL SCHOLARSHIP FUND

This fund was established in 1970 in memory of Leon Hodge. Its continuance is made possible by contributions from friends of the late Mr. Hodge.

R. BANE JONES MEMORIAL SCHOLARSHIP

A grant established effective September, 1971, by the Newport News Young Republican Club in memory of R. Bane Jones, charter member of the organization. The grant, made on the basis of scholastic performance and financial need, awards \$100 per academic year to a rising junior pursuing a major in political science. A minimum C average is required.

ROBERT MADISON USRY MEMORIAL SCHOLARSHIP

A grant established in 1971 by Pi Kappa Sigma Sorority in memory of Robert Madison Usry, Assistant Professor of History at Christopher Newport College from 1961 until his death in January, 1971. The scholarship awards \$50 for the 1973-74 academic year to a junior or senior degree-seeking woman student.

TOM FISCELLA MEMORIAL SCHOLARSHIP

A grant established in 1971 by Mr. and Mrs. Ben Fiscella in memory of their son. The scholarship grants an amount equaling the session tuition for a Virginia student. Upon application, the scholarship may be renewed.

THOMAS J. HUNDLEY AWARD

A grant established in 1969 by the Newport News-Hampton Board of Realtors. The scholarship, based on need, awards \$400 to a local resident who will have attained the academic classification of senior for the session in which he or she will receive the scholarship.

VIRGINIA UNDERGRADUATE SCHOLARSHIPS

The General Assembly has allocated funds to the College for scholarships to undergraduate students who are Virginia residents.

Teaching Scholarships

VIRGINIA STATE TEACHERS' SCHOLARSHIPS

The General Assembly has made an appropriation for Scholarship-Loans to students who are residents of Virginia and who plan to teach in the Virginia Public Schools. These scholarship-loans are valued at \$450 per academic year. Only a limited number of carefully selected freshmen will be eligible. Interested students should contact the Director of Student Teaching.

Supplemental Educational Opportunity Grants

Under the Higher Education Act of 1965 and subsequent amendments, funds are available to colleges and universities for the purpose of providing scholarships to undergraduate students of exceptional financial need who would not, except for the grant, be financially able to attend college. Supplemental Educational Opportunity Grants in amounts which may vary between \$200 and \$1500, with a maximum aggregate set at \$4000, are available for qualified students. These awards must be matched in equal amounts by other financial aid provided by the institution through scholarships, loans, or employment. Applicants for the Supplemental Educational Opportunity Grant must be enrolled or accepted for enrollment on at least a half-time basis and show evidence of academic or creative promise and capability of maintaining good standing. Grants may be renewed from year to year for the first four years of undergraduate work provided:

The student is allowed to remain in the institution; he continues to show academic promise; it is reasonable to expect that he will be graduated; the financial need remains.

Basic Educational Opportunity Grants

The Education Amendments of 1972 established a program of basic grants for qualified undergraduate students accepted by or enrolled in institutions of higher education. If fully funded, the Basic EOG Program would entitle full-time qualified students to receive grants ranging from \$200 to \$1400 (qualified students enrolled less than full-time would be entitled to reduced grants). Under a fully-funded Basic EOG Program, a full-time student would be entitled to receive a grant equal to \$1400 less expected family contribution, but the grant could not exceed one-half the actual cost of attendance at the institution. Since the Basic EOG Program is not fully funded for the 1973-74 school year, it will be limited to first-time full-time qualified students during this session.

Loans

EMERGENCY LOAN FUND

An emergency loan fund established in 1967 by the Sophomore Class in honor of J. C. Windsor. Students may borrow, interest free, up to \$50 for a period not to exceed thirty days. Apply to the Director of Financial Aid.

THE JOHN STEPHEN RASMUSSEN MEMORIAL LOAN FUND

An emergency loan fund established by the community in 1972 in memory of John Stephen Rasmussen, a 21-year-old student who lost his life in a fire while in the act of saving others. He was posthumously awarded a Carnegie Medal. Students may borrow, interest free, up to \$100 for a period not to exceed sixty days.

VIRGINIA UNDERGRADUATE LOANS

The General Assembly has allocated funds to the College for loans to undergraduate students who are Virginia residents.

WARWICK ROTARY CLUB SCHOLARSHIP

A grant of \$400 per academic year to an entering freshman, preferably a Peninsula resident. Upon application the scholarship may be renewed, assuming the student is in good standing and pursuing a full-time program of studies.

NATIONAL DIRECT STUDENT LOANS

Under the National Defense Education Act of 1958, Congress authorized substantial funds for the establishment of low interest, long-term loans in institutions of higher learning.

An undergraduate student may borrow up to \$1000 a year for a period of five years, or a total of no more than \$5000. The repayment period and the interest do not begin until the ninth month after the student graduates or ceases to be at least a half-time (eight credit hours) student.

Borrowers who elect to teach in certain eligible schools located in areas of primarily low-income families, certain preschool teachers and staff members, teachers of handicapped children, and members of the Armed Forces serving in an area of hostilities may qualify for cancellation of varying amounts of their obligation.

The colleges and universities approve and make the loans and are responsible for collections. Repayment may be deferred up to a total of three years while a borrower is serving in the Armed Forces, with the Peace Corps, or as a Volunteer in Service to America (VISTA). Repayment is deferred for as long as a borrower is enrolled at an institution of higher education and is carrying at least a half-time academic work load.

GUARANTEED STUDENT LOAN PROGRAM

This program is administered in Virginia by the State Education Assistance Authority. Under the program, full-time students who are residents of the Commonwealth of Virginia may apply to participating banks and other lending institutions for an education loan. An undergraduate may borrow up to \$1500 per year. The law requires that all Guaranteed Student Loan applications involving federal interests benefits require a financial need analysis. This analysis will necessitate submission of a *Parents' Confidential Statement* or a *Student's Financial Statement* to the College Scholarship Service.

Law Enforcement Education Program (LEEP) Grants and Loans

LEEP is a federal program intended to develop professional law enforcement officers through higher education. It provides educational opportunity through financial aid and is directed to students having the ability and desire to provide professional performance in the criminal justice system. The two types of aid provided to students enrolled in the College are: 1. A loan for full-time study toward a baccalaureate degree in areas (directly) related and required in law enforcement. Loans are available to students, pre-service or in-service. Forgiveness of loan indebtedness for full-time law enforcement service is as follows: The total amount of any loan, plus interest, shall be

cancelled at the rate of 25 percent of the total amount of such loans plus interest for each complete year of such service or its equivalent.

2. Grants for part-time study of degree creditable courses related and useful in law enforcement. Grants are limited to law enforcement officers. This includes not only police but also corrections, probation, parole, and courts officers. An eligible officer may also qualify for a loan if he is both a full-time student and a full-time employee.

Law Enforcement Assistance Administration (LEAA) Internship Program

The Omnibus Crime Control and Safe Streets Act of 1968, as amended, Section 406(f), provides for an Internship Program for those "persons enrolled on a full-time basis in undergraduate or graduate degree programs" to "serve in full-time internships in law enforcement agencies for not less than eight weeks during any summer recess or for any entire quarter or semester on leave from the degree program." To implement the program, the Law Enforcement Assistance Administration (LEAA) is "authorized to enter into contracts to make, and make, payments to institutions of higher education for grants not exceeding \$50.00 per week" for those persons wishing to participate in the program. This amount is intended to supplement a salary which the employing criminal justice agency should pay the intern. Interested students should contact the Director of Criminal Justice Program.

Student Employment

The College will assist students in obtaining part-time employment both on- and off-campus, and where possible, full-time summer and holiday employment. Interested students should contact the Placement Office.

COLLEGE WORK-STUDY PROGRAM (ON-CAMPUS)

The College, in cooperation with the Federal government, offers on-campus employment for students, especially those from low-income families who need a job to help pay for college expenses. Eligible students may work up to fifteen hours a week while enrolled on at least a half-time basis. The work-study assignments are renewable each year contingent upon need and good academic standing.

COLLEGE WORK-STUDY PROGRAM (OFF-CAMPUS)

Under the *Virginia Plan* which was established in the spring of 1971, participating colleges will be able to place eligible students in full-time off-campus jobs for a ten-week period in the summer. Such students must be planning to enroll in Christopher Newport College for the fall semester immediately after their summer employment.

Beginning with the 1972-73 Session, students will be placed in part-time jobs (up to fifteen hours a week) off-campus during the fall and spring semesters through the *Virginia Plan*.

Benefits for Veterans and War Orphans

The College is approved to offer educational programs to veterans and servicemen, and to war orphans (children of veterans who are permanently and totally disabled from service-connected causes or who died while so disabled).

It is urged that application for benefits be made to the nearest Regional Office of the Veterans Administration well in advance of the desired admission date. At the time he initially enrolls, the veteran or war orphan must present a Certificate of Eligibility, VA Form 21E-1993, to the office of the Dean of Admissions.



Dr. Thomas A. Graves, Jr., President of the College of William and Mary (left) and Dr. James C. Windsor talk with honored guests at the May 1973 graduation. They are from left to right: Lewis A. McMurran, Jr., member of the Virginia House of Delegates, H. Westcott Cunningham, former President of Christopher Newport College, and Thomas N. Downing, member of the United States House of Representatives.

Academic Policies

College Regulations

The academic policies stated hereafter apply to all students who register at Christopher Newport College. Students attending only classes held in the evening hours should consult the supplementary bulletin on continuing studies for exact deadlines.

Program Planning

Prior to registration for classes, the Counseling Center administers several placement tests to freshmen and new transfers. Each freshman and unclassified student then meets with counseling personnel to discuss the results of these tests and to plan a program for the coming semester.

Other students are assigned to faculty advisers who are available for academic counseling. Any student may arrange for individual conferences with the faculty adviser or any of the counseling personnel.

Currently enrolled students are expected to plan their programs for the following semester with their faculty advisers in the spring or late fall.

Student Load

Full-Time Students

The normal full-time student load constitutes a minimum of 12 credits and a maximum of 17 credits. Fifteen credits are considered a normal full-time load, and students are expected to carry this normal load if possible.

Overload

Any student may, with the written consent of his adviser, carry 18 semester credits in the regular session or 15 semester credits in the summer session.

Any student desiring to carry more than 18 semester credits in the regular session, or 15 semester credits in the summer session must petition the Committee on Academic Status before the registration. This petition must be submitted in writing to the Registrar. The Committee may grant permission to carry such an overload to the exceptionally able student, or to a student with special circumstances.

Part-Time Students

A student is classified as "part-time" if during any semester he is registered for 11 credits or less.

Any student may elect to be a part-time student if his circumstances demand it. In addition, the College may either require or counsel him to carry a part-time load for academic or other reasons.

Early Registration

The College has established a procedure for early registration for fall and spring semesters and summer session. This procedure is published prior to each semester in time for students to take advantage of the service.

A student registering early for the fall semester must pay the \$25.00 deposit so that class spaces may be reserved. In addition, each student who registers early must pay all tuition and fees no later than August 9. Each student who registers early for the spring semester must complete all financial arrangements with the College by January 4, in order that class spaces may be reserved.

Any student enrolling only in evening classes who wishes to take advantage of early registration is subject to the above regulations concerning tuition and fees.

Each student who registers early and completes all financial arrangements with the College by the prescribed time is not required to be present on the designated days for registration. He needs only to begin his classes at the designated times. Freshmen and new transfers are expected to attend orientation prior to the designated days for registration.

Registration For Classes

Any student who wishes to enroll in classes at the College and who did not register early will be expected to be present on the designated days for registration (see *College Calendar* for the exact date). A student may register at another time only with the permission of the Registrar. Please note that all financial arrangements must be completed before the registration is valid.

Sometimes, because of schedule conflicts, a student needs to enroll in both day and evening classes. He will be allowed to do so on a space available basis.

Changes in Registration

Once a student has registered for a program of courses, whether in day or evening classes, any necessary course changes must be made

through application to the Registrar. The change is recorded on the student's registration card, and the instructor or instructors involved are notified. Unless a course change is made in this manner, it has no official standing and will not be recognized as valid by the College.

Changes During the Add/Drop Period

Registration is normally open for approximately five academic days at the beginning of each semester, during which time a student may add or drop courses, or make schedule changes. No schedule changes may be made after this period (see *College Calendar* for exact date). Courses dropped during the add/drop period do not become a part of the student's permanent record.

Changes During the Drop Period

No courses may be added after the add/drop period. Courses may be dropped for justifiable circumstances upon application to the Registrar.

For a period of approximately six weeks (see *College Calendar* for the exact date), a student may drop a course without grade penalty. The notation "Dropped" will be made on the permanent record card.

After the drop date, a student may drop a course under one of the following circumstances:

- 1) If he is failing the course, he may drop it with a grade of *F*.
- 2) If he is passing the course, he may drop it without a grade penalty provided he has the permission of his adviser and instructor.

No student may drop a course after the last day of classes before the examination period. (See *College Calendar* for the exact date)

Auditors

A student may register for a course on an audit basis with the approval of his adviser if class size permits. An auditing fee of \$21.00 is charged for each semester credit hour.

A student registered on an audit basis is not subject to attendance regulations and is not required to take tests or the final examination. He may, with the instructor's permission, do any of the required work he wishes. A student enrolled for audit is not given a grade and his record is marked "Audit."

A change from "Audit" to "Credit" may be made during the add/drop period only. Out-of-state students must take the necessary financial arrangements before the change is effective.

A student may change from "Credit" to "Audit" up to the drop date (see *College Calendar* for the exact date). After the drop date,

he may change to audit in a course only if he is passing that course. Permission of both the adviser and instructor is required for such a change, and the application must be made through the Registrar.

Absences from Classes and from College

An educational system centered upon classroom instruction justifies a set of regulations and procedures to aid in assuring satisfactory class attendance. These attendance regulations are designed by the faculty to limit the number of unnecessary class absences, since irregular class attendance jeopardizes the student's progress and detracts both from instruction and from learning.

Class Attendance

1. Students are expected to be present at all of their regularly scheduled classroom appointments. The College has no system of recognized cuts. Each instructor establishes his own attendance regulations.

2. Each instructor is responsible for attendance records and for all matters related to attendance. A student who is dropped from a course upon recommendation of the instructor because of excessive absences will receive a grade of *F*. If excessive absences are caused by an extreme emergency, a student may appeal to the chairman of the appropriate department, the Dean of Academic Affairs or to the Committee on Academic Status for consideration.

3. If a student must miss a class meeting, it is his responsibility to cover the material missed. Instructors may differentiate between excused and unexcused absences and authorize make-up tests when appropriate.

4. Classified seniors have unlimited cuts in three-hundred and four-hundred level classes.

5. Attendance regulations do not apply to any student on the Dean's List, unless otherwise stated by the instructor.

6. Attendance regulations do not apply to any student who is enrolled in a course as an auditor.

Withdrawal from College

The term "withdrawal" as defined by the College means that a student ceases attendance in all classes and is no longer considered enrolled in the College.

Any student who desires to withdraw from the College should do so through application to the Registrar. The withdrawal is recorded on the student's permanent record card, and the instructors involved

are notified. Unless a withdrawal is made in this manner, it has no official standing and will not be recognized as valid by the College.

No student may withdraw after the last day of classes before the examination period.

Unofficial Withdrawal

Any student who withdraws from the College without notifying the Registrar will receive a grade of *F* in each of his courses. The notation "Grade of *F* assigned because of unofficial withdrawal" will be made on the permanent record card.

Official Withdrawal

If a student withdraws from the College prior to the set deadline following mid-semester (see *College Calendar* for exact date), the grade notation *W* will be entered for each of his courses.

If a student withdraws after the set deadline, the grade notation *WP* will be entered for each course in which the student was receiving a passing grade at the time of withdrawal, and a *WF* for each course in which the student was receiving a failing grade at the time of withdrawal.

Readmission after Withdrawal

A student who withdraws may seek readmission for any semester, provided he is in good standing, by writing to the Dean of Admissions for an application for readmission.

A student who withdraws with *WF* in half or more of his courses will be considered in the same way as a suspended student and must formally request reinstatement in good standing by the Committee on Academic Status after at least one semester has elapsed.

Examinations

The examinations, given at the end of each semester, take place at times announced on the examination schedule, which is published at least two weeks in advance of the first scheduled examination.

Students are required to take all of their examinations at the times scheduled, unless excused as noted below (see section *Absences from Examinations*).

The College does not authorize re-examination.

Examination Schedule

The examination schedule is arranged and distributed at least two weeks before the beginning of the examination period. No changes

will be permitted an individual student, unless conflicts occur, or unless the student has examinations scheduled in four consecutive periods. Applications for changes in the schedule for the above reasons should be made to the Registrar prior to the last day of classes before the examination period begins.

Absences from Examinations

A student may request to be excused from taking an examination at the time required by presenting his reason for an expected absence to the instructor in advance of the examination. Excuses on the grounds of illness will be accepted when approved by a physician and received by the Registrar. The instructor should be notified as soon as possible if illness or another emergency situation causes a student to be absent from an examination. In the event that the instructor cannot be contacted, the student should notify the Office of the Registrar.

Deferred Examinations

A deferred examination is provided for a student who has been excused from taking an examination at the regular time. He should arrange with his instructor to make up the examination as soon as possible. Except under very exceptional circumstances, the student is not permitted to postpone the taking of a deferred examination beyond the first occasion provided.

In no case will permission to take a deferred examination be extended beyond a year from the time of the original examination from which the student was absent.

System of Grading

Grades are assigned according to the letter system, including grade point values as follows:

Grade Symbol and Meaning	Grade Point Value per Semester Credit Hours
A—Superior	4
B—Good	3
C—Average	2
D—Passing	1
F—Failing	0
P—Passing	0
I—Incomplete	0
X—Absent from final examination	0
NG—No grade reported	—

WF—Withdrew Failing	—
WP—Withdrew Passing	—
W—Withdrew (no grade penalty)	—
DR—Course dropped (no grade penalty)	—
S—Continuing Education Unit courses only; course satisfactorily completed.	
T—Continuing Education Unit courses only; course not completed; No CEU awarded.	

Pass-Fail

Seniors may take one elective course each semester, distribution and major courses not included, for a maximum of two courses, on a pass-fail basis. A passing grade will count toward graduation but will not be used in determining the student's grade point average.

Grade Point Average

The grade point average is computed by dividing the total number of academic hours carried into the total number of grade points earned.

Grades of *WF* are included in the courses carried by a student during a semester, whereas grades of *W* and *WP* are not included in the hours carried in a given semester.

Incomplete

I indicates that the student has postponed, with the consent of the instructor, the completion of certain required work other than the final examination. *I* automatically becomes *F* at the end of the next semester if the postponed work has not been completed.

Absent from Final Examination

X indicates that the student was absent from the final semester examination because of illness or another emergency situation, but had attended classes up to the examination period. *X* automatically becomes *F* at the end of the next semester unless a deferred examination is permitted by the Committee on Academic Status. (See section on *Examinations* for further information.)

Grades for Repeated Courses

A course in which a grade of *D* or higher has been made may be retaken only in *special cases* as approved by the Dean of Academic Af-

fairs. The form for requesting permission to repeat a course is available in the Office of the Registrar. A course in which a grade of *F* has been made may be retaken with the permission of the adviser. In each instance, the original grades, grade points, and credits, if earned, will stand as recorded on the permanent record, but the new grade and grade points also will be entered. The higher grade with its credits and grade points will be counted toward the degree. Credits earned for the course may be counted only once toward the degree.

The cumulative grade point average will be determined in cases of a retaken course by including hours carried and grade points earned on both the original and repeated enrollments in the course.

Credits and grade points for courses retaken prior to June, 1969, will be adjusted to meet the above stipulations.

Required or distribution courses in which an *F* has been earned may be repeated no more than twice (for a total of no more than three enrollments). Other courses in which an *F* is earned may be repeated only once (no more than two enrollments).

Classification of Students

Students, both full-time and part-time, are classified as follows:

FreshmanFrom 1 to 23 credits
SophomoreA minimum of 24 credits and 48 grade points
JuniorA minimum of 54 credits and 108 grade points
SeniorA minimum of 85 credits and 170 grade points

Unclassified Students

A student who is not a declared candidate for a degree at Christopher Newport College is considered an unclassified student.

Declaration of Major

A student should declare a major field not later than the end of his sophomore year or the completion of fifty-four credits. A declaration of major must be filed with the Registrar.

Each department reserves the right of approval of the application for major field from a student.

Changes in the choice of major may not be made after registration for the first semester of the senior year unless approved by the Committee on Degrees, with subsequent acceptance by the new major department.

Double majors are not authorized by the College at this time.

Dean's List

A student who in any semester earns forty-eight grade points with no grade below C, in academic subjects, and who makes a grade point average of at least 3.0 is placed on the Dean's List for the following semester.

Grade Reports

A grade report is sent at the end of the semester to each student as well as (when applicable) to his parents or guardian. In addition, a midsemester grade report is sent to every freshman indicating his progress in each course at that point. A midsemester grade report is not sent to an unclassified student. Midsemester grades are not recorded on the student's permanent record.

Transcripts

Transcripts are issued only upon the written request of the student, or his authorized agent, and should be requested at least one week prior to the date needed.

The College will issue one free transcript for each student. There is a charge of \$1.00 for each additional transcript. No transcript is sent until the fee due has been paid.

A transcript given directly to a student does not carry the College seal and is not official. The seal is attached when the transcript is sent directly from the College to another college or authorized agency.

The College reserves the right to send to schools of origin academic records of students and other information for the purpose of study.

Continuance in College

Continuance in college implies a dual responsibility on the part of the institution and its students. Through its instructional program supplemented by counseling and faculty advising, the College attempts to give students every encouragement to maintain a satisfactory level of achievement. Reasonable academic progress by the student is expected. Unless the student demonstrates the incentive and ability to meet the minimum scholastic requirements, the College cannot justify his remaining in school.

Minimum Standards for Continuance in College

The requirements stated below represent the minimum quality of performance for continuance at Christopher Newport College. Evaluation of academic progress is made at the end of each semester. Evaluation of an academic record is generally not made until a student

has completed twelve credit hours, which constitutes a minimum full-time load. Fifteen credit hours is regarded as a standard full-time load.

The student who is admitted as an unclassified student (not seeking a degree at Christopher Newport) will have his academic record evaluated at intervals of twelve semester hours. This evaluation is done in the best interests of the student and takes into account his stated goals.

The student earning less than the minimum standard as stated below will be considered by the Committee on Academic Status for either *suspension* or *probation*. The student earning the minimum standard as stated below, but not making reasonable progress in any given semester will be issued an academic warning. The student is always notified by letter of any action of the Committee.

Number of Credit Hours Attempted	Minimum Percentage of Hours Passed Required	Minimum Overall Grade Point Average Required
12-15	50%	1.00
16-24	60%	1.25
25-36	66%	1.50
37-48	70%	1.66
49-60	75%	1.70
61-72	80%	1.75
73-90	85%	1.80
90 and above	85%	1.85 or better

The student is expected to maintain each semester at least a 2.0 average in his major field of study. If a student falls below this average in his major, he will be placed on probation.

Transfer students will be expected to meet the minimum requirements for the total credit hours attempted at Christopher Newport College and the total number of credit hours accepted by the College as transferable from the previous college or colleges. Transfer students who, after fifteen (15) credit hours attempted, appear to be making little or no progress toward graduation will be considered for either academic warning, academic probation, or suspension.

The student who withdraws with *WF* in half or more of his courses will be considered in the same way as a suspended student. The notation "May not enroll without permission of the Committee on Academic Status" will be placed on his permanent record card.

A full-time student who receives an *I* or *X* grade notation in 50% or more of his courses must make up the deficient work prior to registration for the following semester or must obtain the permission of the Committee on Academic Status to reenroll.

When a student is not profiting by his stay at college, or whenever his influence is considered detrimental to the best interests of the College, such a student may be required to withdraw.

Academic Warning

Any student who has earned the minimum standard for continuance but who has not made reasonable progress in any given semester will be issued a letter of academic warning. This letter will review the student's progress to date and may require the student to limit his academic load. No notation will be made on the permanent record card.

Probation

Any student approaching the minimum standards for continuance will be considered for probation.

The student placed on probation may register for classes. Such a student will have any early registration for the next semester cancelled, and will be required to return to the counselor or faculty adviser for a new registration form. He will be limited to no more than four courses for any given semester in which he is placed on or continued on academic probation. A notation "Academic Probation" will be placed on the permanent record card.

When the student has improved his average to the extent that he meets the minimum requirement for the hours he has carried, probation may be removed, and a statement to this effect placed on his permanent record card. If, in the opinion of the Committee, the student is progressing at less than the minimum level, probation may be continued.

The Committee will continue on probation any student who is making marked progress toward meeting the minimum requirement. Only under unusual circumstances will the Committee allow any student on academic probation to remain so for more than two consecutive semesters. If, at the end of two semesters, the student has not met the minimum standard for the number of hours carried, he will be suspended.

Any student who, in the opinion of the Committee on Academic Status, appears to be making little progress toward earning a degree here, may be removed from degree status. This action will enable such a student either to transfer or to enroll as an unclassified student in certain courses of his interest. A statement to this effect will be entered on his permanent record card.

Suspension

The student who is suspended may not register for credit in any classes at Christopher Newport College, except by the advice and consent of the Committee on Academic Status. The notation "Required to withdraw for academic deficiencies" is placed on the permanent record card.

In the event that a student suspended from Christopher Newport College is permitted to take courses in another college, he should be aware that credit hours earned while he is not in good standing may not be acceptable as transfer credit at Christopher Newport College.

Reinstatement Procedures after Suspension

Any suspended student who wishes to reenter the College after at least one semester (excluding summer session) has elapsed must apply to the Committee on Academic Status to be reinstated in good standing.

Most colleges will not consider for admission a student who is not in good standing at his former college; therefore, reinstatement at Christopher Newport College should be sought before application is made to another college.

Students who have been asked to withdraw twice may apply for reinstatement. However, it must be pointed out that the Committee often does not approve the reinstatement of such a student.

It must be noted that a reinstated student is not automatically readmitted to the College. The Committee may recommend that the student not be readmitted to Christopher Newport College. As a reinstated student he may seek admission to another college.

In order to apply for reinstatement, the student should contact the Office of the Registrar for information. The deadlines for receipt of reinstatement requests are as follows:

For readmission to summer session.....	May 1
For readmission to fall semester.....	May 1 or August 1
For readmission to spring semester	December 1

Appeals to the Committee on Academic Status

Any student has the right to appeal for reconsideration of a decision made by the Committee. Such an appeal should be made in writing, indicating any circumstances which may affect the decision. The Committee seldom finds it necessary to have a personal interview with the student.

Appeals may be addressed to the Registrar, who serves as secretary to the Committee on Academic Status.

Requirements for Degrees

Christopher Newport College is authorized to confer six degrees: the Bachelor of Arts (B.A.) degree, the Bachelor of Science (B.S.) degree, the Bachelor of Science in Business Administration (B.S.B.A.) degree, the Bachelor of Science in Governmental Administration (B.S.G.A.) degree, the Bachelor of Science in Management Information Science (B.S.M.I.S.) degree, and the Associate in Arts (A.A.) degree.

The College offers the B.A. degree in English, French, History, Mathematics, Political Science, Psychology, Sociology, and Spanish. In addition, degrees in German and Philosophy are offered in conjunction with the College of William and Mary. The B.S. degree is offered in Biology and Psychology. In addition, the College offers the professional B.S. in Business Administration and Governmental Administration (with specialties in Urban Management, Urban Planning, Law Enforcement, and Corrections), and the interdisciplinary B.S. in Management Information Science.

In the case of a department's offering more than one degree, the student is referred to the specific statement of the department's requirements at the head of the course listing.

Bachelor Degrees

A student may choose to fulfill the general education requirements set forth in the catalogue at the date of his entrance to the College or the catalogue in effect at the time he graduates. He must fulfill the concentration requirements in effect when the choice of concentration is declared. A student who, for various reasons, leaves the College for a period of one full academic year or more after he has declared his major can be required to meet the concentration requirements in effect at the time he reenters.

General Requirements for Graduation

Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Business Administration and Bachelor of Science in Governmental Administration

One hundred and twenty-two semester credits are required for graduation. Of these one hundred and twenty-two semester credits,

one hundred and twenty must be in academic subjects and two in required physical education. A minimum of two hundred and forty-four grade points is required.

Each student is expected to plan a curriculum including distribution, concentration, and elective offerings. Although the College offers every assistance to the student as he plans his program, it is the ultimate responsibility of the student to make certain that his program of studies properly reflects the requirements for the degree as set forth in the catalogue.

Certain other general requirements as follows must be fulfilled for graduation.

1. The student must make a minimum grade point average of 2.0 in his field of concentration with no more than two grades of D. (Effective June, 1969, the College adopted a four-point grading scale; consult System of Grading for exact scale.)
2. At least thirty of the last thirty-six hours, including at least the last twelve hours of the major field, must be taken in residence.
3. Of the 122 credits required for graduation:
 - a. The student may present only 42 total hours in his major field. He may elect not to include the introductory courses in his major (refer to individual departmental listings for further information). In order to exclude the introductory courses, the student must declare his intention to do so to the Registrar prior to the completion of ninety semester credits.
 - b. The student may present no more than 18 total hours of upper level work in any field other than his major, not including courses in Professional Education.
 - c. The student may present a maximum of four credits in physical education activities courses toward the degree.
 - d. The student may present a maximum of six hours in elementary topics (395) and six hours in advanced topics (495) in any given field.

Concentration or Major

Each student at or before the end of his sophomore year (or fourth semester) should choose a major field in consultation with an adviser from the field in which he is interested. A declaration of major must be filed with the Registrar.

The student's program in relation to the requirements of that major and his personal interests will then be worked out with his

adviser, who will see that his course of study is as well-balanced as possible and relates to his career objectives.

The student should refer to the appropriate departmental listing under *Courses of Instruction* for specific concentration requirements.

He must make a minimum grade point average of 2.0 in his field of concentration with no more than two grades of D.

Changes in the choice of major may not be made after registration for the first semester of the senior year unless approved by the Committee on Degrees, with subsequent approval by the new major department.

Electives

A student may choose for the remainder of his 122 credit hours any academic courses which are allied to his major or of special interest to him, provided he has the necessary prerequisites.

Students are reminded that no more than 18 semester hours of upper level work in any field other than the major may be applied toward the degree. This does not apply to courses in Professional Education.

Courses Taken Elsewhere

Any student who transfers from another accredited institution will have his credits evaluated by the Dean of Academic Affairs and a written statement of acceptable credits will be sent to the student. Transfer credits, up to a maximum of 90 hours, will be given for courses which carry a grade of C or better and are comparable to courses offered by colleges similar in aims and purposes to Christopher Newport College. (Exception: No more than sixty-six credits may be in courses in a junior or public community college.)

A student may not count any hours from one bachelor's degree toward a second bachelor's degree.

A student may transfer a maximum of 21 semester credits in courses representing the application of the arts and sciences, including the playing of an instrument, ceramics, arts and crafts, and the like.

No more than thirty semester credits may be applied toward the degree for work completed in extension, special institute or correspondence courses, or through the College Entrance Examination Board Advanced Placement Program, College-Level Examination Program, or departmental placement examinations. Students already at Christopher Newport College desiring to take such work elsewhere, or to take summer school work at another institution, to apply to degree credit, must first get written permission from the Dean of Academic Affairs.

Distribution Requirements

Bachelor of Arts and Bachelor of Science Degrees

Distribution requirements should be completed within the first two years or first sixty hours unless the student is officially excused by the Dean of Academic Affairs. The range of courses which a student may take to satisfy the distribution requirements is listed below:

English 101-102, unless exempted by the English Department, on the basis of tests, previous record, and other criteria. 6 credits

Foreign Language 0-14 credits

It is expected that the student should have or attain competence in a foreign language as indicated by satisfactory completion of the 202 course of any language, or its equivalent. Students desiring to take a modern language to fulfill this requirement should refer to the section *Modern Languages* for information on placement. Students desiring to take Latin to fulfill this requirement should refer to the section *Classical Studies* for information on placement.

Humanities Division 6 credits

The student may choose any one of the following sequences—English 201-202, English 205-206, English 207-208, Fine Arts 201-202, Music 201-202, Music 203-204, Philosophy 201-202, or any 6-hour combination of French 251, 252, German 251, 252, Latin 251, 252, or Spanish 251, 252.

Mathematics or Philosophy 101-102 4-6 credits

A student may choose one of the following sequences: Philosophy 101-102 or

Any two of the following four courses in Mathematics: 110, 120, 130 and 220, or the student may choose Mathematics 230 only. A maximum of nine semester credits of 100-level mathematics courses may be applied toward any degree. Lastly, at the discretion of the Mathematics and Philosophy Departments, the requirement may be satisfied for a student placing beyond Mathematics 230. (Note: Any student who began the sequence Philosophy 201-202 prior to June, 1969, may elect to count this course as

fulfillment for the Mathematics/Philosophy requirement instead of the Humanities requirement.)

Natural Sciences Division

8-10 Credits

A student may choose one of any of the following sequences: Biology 101-102; Chemistry 121, 125-122, 126; Chemistry 103, 105-104, 106; Physics 101-102 or 103-104; or any natural science course for non-science majors. In order to complete his science requirement, a student may transfer eight or ten hours of freshman geology or astronomy, or other laboratory science course that considers one area of science through the full academic year. A two-semester laboratory course in a second field will be required for a B.S. degree (see specific listings under the department in question).

Social Sciences Division

12 credits

Students may choose two of any of the following sequences: Economics 201-202, History 101-102, History 201-202, Sociology 200 and any other 200-level sociology course, Psychology 201-202 or 201-203, or any two semester sequence of Political Science selected in consultation with the student's adviser.

Physical Education

2 credits

The physical education requirement must be met within the first sixty hours unless an exemption or a postponement has been granted by the Committee on Degrees. (Note: Effective with the 1970-71 college catalogue, the former requirement of four semesters of physical education was reduced to two semesters, each semester course earning one credit and quality points. Students who entered Christopher Newport College prior to September, 1970, will be required to present only two semesters of required physical education for completion of the degree. Students enrolled prior to June, 1967, are not required to meet this distribution requirement, thus reducing the number of hours required for the degree to 120 semester credits).

Effective September, 1972, a student may waive one of the basic distribution requirements, with the exception of English 101-102. This

exemption in no way affects prerequisites for courses, nor does it affect departmental requirements. The waiver does not alter the total number of credits required for the degree.

Any student exempted from a distribution requirement by the Degrees Committee forfeits the above option.

Special exceptions, other than the waiver, from any of the basic distribution requirements as outlined above may be requested in writing to the Committee on Degrees.

Sample Program For Biology Majors²

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
Biology 101-102 (General)	8	Biology 204, 204a (Genetics)	4
Chemistry 121, 125	5	Physics 101-102 or 103-104	8
Chemistry 122, 126	5	Foreign Language	8
Mathematics 130-230	7	Biology Electives ¹	8
English 101-102	6	Humanities	3
	<hr/> 31	Biology 420 (Seminar) ²	
			<hr/> 31
<i>Sophomore Year</i>		<i>Senior Year</i>	
Biology 203 (Cell Biology)	4	Biology Electives ¹	13
Biology Elective ¹	4	Biology 420 (Seminar) ²	1
Chemistry 321, 325	5	Social Science	6
Chemistry 322, 326	5	Humanities	3
Social Science	6	Foreign Language	6
Physical Education	2		<hr/> 29
Humanities	3		
	<hr/> 29		

¹ One elective course must be a botany course (excluding Biology 303).

² Four semesters of Biology 420 required; total credit one hour.

³ Areas of specialty may be worked out with faculty adviser.

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**Sample Program For Biology Majors¹
With Teaching Certification**

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
Biology 101-102 (General)	8	Education 341-303	6
Chemistry 121, 125	5	Psychology 312	3
Chemistry 122, 126	5	Biology 203-204	8
Mathematics 130-230	7	Biology Electives ¹	12
Physical Education	2	Biology 420 (Seminar) ²	2
English 101-102	6		29
	33		
<i>Sophomore Year</i>		<i>Senior Year</i>	
Chemistry 321, 325	5	Biology Electives ¹	12
Chemistry 322, 326	5	Biology 420 (Seminar) ²	1
Physics 101-102 or 103-104	8	English (200 level)	3
English (200 level)	3	Education 401S	6
History 201-202	6	Education 403S, 414	6
Psychology 201-203	6	Physical Education 321	3
	33		31

¹ One elective course must be a botany course (excluding Biology 303).² Four semesters of Biology 420 required: total credit one hour.³ Areas of specialty may be worked out with faculty adviser.**Sample Program For English Majors**

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Sophomore Year</i>	
English 101-102	6	English 201-202 or	
Lab Science	8	Humanities 205-206 ³	6
Ancient or Modern Foreign		Social Science requirement ²	6
Language ¹	8	Foreign Language	6
Social Science requirement ²	6	Philosophy 101-102 or Math	
Physical Education	2	distribution requirement ⁴	6
	30	Humanities	6
		Classical Civ 200 ³	3
			33

Requirements for Degrees/73

Course	Hours	Course	Hours
<i>Junior Year</i>		<i>Senior Year</i>	
300 and 400 level English		English 421-422 or English	
courses ¹	15	421 or 422 AND English	
300 and 400 electives		401 or English 426	6
(courses in history,		English 496	3
philosophy, psychology,		300 or 400 level English	
and languages especial-		electives	6
ly recommended)	15	300 or 400 level electives	
	30	(courses in history,	
		philosophy, psychology,	
		and languages especially	
		recommended) ⁷	15
			30

¹ Students will be placed in the language course by placement tests; those who are placed in a sophomore course or are exempted from further language courses may register for extra electives with the assistance of their advisers. Foreign language is not an absolute requirement for the degree in English, but is strongly recommended.² Students who plan to teach or to go on to graduate work in English should take History 101-102 in the freshman year. Others should choose from any of the social science courses listed in the catalogue after consultation with their advisers. History 201-202 is recommended to sophomores and required for those who plan to teach in Virginia public schools.³ The ideal program for the English major in the sophomore year is English 201-202 to meet the English requirement and Humanities 205-206 as a lower level elective. English majors may not take English 207-208 to meet the degree requirement in English.⁴ For many English majors Philosophy 101-102 is the best choice here, but those who have special career goals may wish to select one of the math sequences after consulting with their advisers. Those who plan to teach in Virginia public schools must take math.⁵ Classical Civilization is not required for the English degree, but it is strongly recommended here.⁶ Whenever possible, students should take 300-level courses as juniors and 400-level courses as seniors, but because some courses are to be taught every other year, students may find it necessary to deviate from this suggestion. The adviser will be able to assist students in making the best choices. Except in emergency situations, English 496 must be taken during the senior year; it will be offered every semester. English 421-422 is recommended for seniors, but should be taken in the junior year by students who plan to enroll in the student teaching block in the senior year. Those who plan to teach English in the secondary schools must take English 430 during the junior or senior year.⁷ Students majoring in English and meeting the Education requirement for certification to teach on the Secondary level should plan to enroll in the Education Block in the FIRST semester of their Senior year.

**Sample Program For English Majors
With Secondary Education Teacher Certification**

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
English 101-102	6	English 430	3
Lab Science	8	English 341 and/or 342	
Ancient or Modern Foreign Language ¹	8	and/or 343	6
History 101-102 ²	6	English 421-422 OR English 401 or English 426 and either English 421 or English 422	6
Communications 201	3	Another 300 or 400 level English course	3
Physical Education	2	Psychology 307 or 309	3
	33	Psychology 312	3
		Education 341	3
		Education 303	3
			10
<i>Sophomore Year</i>		<i>Senior Year</i>	
English 201-202 or Humanities 205-206 ³	6	English 496	3
History 201-202	6	300 or 400 level English Courses	9
Foreign Language	6	Education Block ⁴	12
Math Distribution Requirement	6	Education 401S	
Humanities	6	Education 403E	
Psychology 201	3	Education 414	
	33	Physical Education 321	3
		300 or 400 level elective	3
			30

¹ Students will be placed in the language course by placement tests; those who are placed in a sophomore course or are exempted from further language courses may register for extra electives with the assistance of their advisers. Foreign language is not an absolute requirement for the degree in English, but is strongly recommended.

² Transfer students and other students for good reasons may substitute another social science course for History 101-102.

³ The ideal program for the English major in the sophomore year is English 201-202 to meet the English requirement and Humanities 205-206 as a lower level elective. English majors may not take English 207-208 to meet the degree requirement in English.

⁴ Students majoring in English and meeting the Education requirement for certification to teach on the Secondary level should plan to enroll in the Education Block in the FIRST semester of their Senior year.

Sample Programs For French Majors

A French major may select one of the two plans listed below to satisfy a concentration in French. Plan A is intended for those who wish to pursue a career other than secondary teaching after graduation, i.e., Library Science, graduate studies in French, business, etc. Plan B is intended for those who wish to obtain a Collegiate Professional Certificate in secondary teaching of French.

PLAN A—B.A. in French

Course	Hours
<i>Freshman Year</i>	
Electives	3
Social Science	6
English 101-102	6
Math 110-120	6
Physical Education	2
French 101-102 ¹	8
	31
<i>Sophomore Year</i>	
Social Science	6
Humanities	6
Lab. Science	8
French 201-202	6
Electives	6
	32
<i>Junior Year</i>	
French 251-252, 301	9
Required Major courses 361, 381 or 383	6
Major Electives	0-6
Electives	0-14
	31

**PLAN B—B.A. in French with
Teaching Certificate**

Course	Hours
<i>Freshman Year</i>	
Communications 201 ²	3
History 201-202	6
English 101-102	6
Math 110-120	6
Physical Education	2
French 101-102 ¹	8
	31
<i>Sophomore Year</i>	
Social Science	6
Psychology 201 ³	3
Humanities	6
Lab. Science	8
French 201-202	6
Electives	3
	32
<i>Junior Year</i>	
French 251-252, 301	9
Required Major courses 361, 381 or 382	6
Physical Education 321	3
Psychology 307, 312	6
Education 341	3
Major Electives	0-6
	31

76/Requirements for Degrees

Course	Hours	Course	Hours
<i>Senior Year</i>		<i>Senior Year</i>	
Major Electives	0-15	Education 303	3
Electives	21	Major Electives	0-12
	30	Education 401S, 403L, 414 ⁴	12
		Electives	3
			30

¹ French 101-102, 201-202 may be bypassed by a placement test and a French major may begin the 251-252, 301 sequence in his freshman or sophomore year.

² Recommended by the State Board of Education for certification.

³ Psychology 201 is a prerequisite for Psychology 307 and 312.

⁴ Twelve credit block to be taken in one semester. (Student Teaching)

Sample Program For German Majors¹

A German major must select one of the two plans listed below to satisfy a concentration in German. Plan A is intended for those who wish to pursue a career other than secondary teaching after graduation, i.e., Library Science, graduate studies in German, business, etc. Plan B is intended for those who wish to obtain a Collegiate Professional Certificate in secondary teaching of German.

PLAN A—B.A. in German

PLAN B—B.A. in German with Teaching Certificate

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Freshman Year</i>	
Electives	3	Electives	3
Social Science	6	History 201-202	6
English 101-102	6	English 101-102	6
Math 110-120	6	Math 110-120	6
Physical Education	2	Physical Education	2
German 101-102 ²	8	German 101-102 ²	8
	31		31
<i>Sophomore Year</i>		<i>Sophomore Year</i>	
Social Science	6	Social Science	6
Humanities	6	Psychology 201 ³	3
Lab. Science	8	Humanities	6
German 201-202	6	Lab. Science	8
Electives	6	German 201-202	6
	32	Electives	3
			32

Requirements for Degrees/T?

Course	Hours	Course	Hours
<i>Junior Year</i>		<i>Junior Year</i>	
German 251-252, 301 or 303, 311	12	German 251-252, 301 or 303, 311	12
Major Electives	3	Physical Education 321	3
Electives	14	Psychology 307, 312	6
	29	Education 303, 341 ⁴	6
		Major Electives	3
			30
<i>Senior Year</i>		<i>Senior Year</i>	
German 303 or 301	3	German 303 or 301	3
Major Electives	12	Major Electives	0-9
Electives	15	Education 401S, 403L, 414 ⁴	12
	30	Electives	6
			30

¹ Starting with the 1972-73 catalog, a student may elect to waive a distribution requirement in any area other than English 101-102. However, those desiring a Teaching Certificate should consult with their advisers to make sure they are not waiving a course or area required by the State Board of Education for certification.

² German 101-102, 201-202 may be bypassed by a placement test and a German major may begin the 251-252, 301 sequence in his freshman or sophomore year.

³ Psychology 201 is a prerequisite for Psychology 307 and 312.

⁴ Speech 101 is recommended by the State Board of Education for teaching certification; it is not required of modern language majors as a prerequisite to education courses.

⁵ Twelve credit block to be taken in one semester. (Student Teaching)

78/Requirements for Degrees

Sample Program For History Majors

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
English 101-102	6	American History Electives	6
Lab. Science	8	European History Electives	6
History 101-102	6	Electives ¹	21
Foreign Language	8		
Physical Education	2		
	<u>30</u>		
<i>Sophomore Year</i>		<i>Senior Year</i>	
History 201-202	6	History Electives	9
Humanities Electives	6	History 490 (Senior Seminar)	3
Social Science Electives	6	Electives ¹	18
Foreign Language	6		
Math or Philosophy	6		
	<u>30</u>		

¹ A student may present 24-42 total hours above the 200-level in history.

Sample Program For History Majors With Teacher Certification

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Sophomore Year</i>	
English 101-102	6	History 201-202	6
Lab. Science	8	Humanities electives	6
History 101-102	6	Math or Philosophy ¹	6
Foreign Language	8	Social Science electives ²	6
Physical Education		Foreign Language	6
(Activities Course)	2	Physical Education 321	
	<u>30</u>	(Foundations of Health)	3
			<u>33</u>

Requirements for Degrees/79

Course	Hours	Course	Hours
<i>Junior Year</i>		<i>Senior Year</i>	
American history electives	6	History electives	9
European history electives	6	History 490 (Senior Seminar)	3
Communications 201	3	Education 303 (Instructional Materials)—1st Semester	3
Psychology 201	3	Education 401S (Supervised Teaching) ³	6
Psychology 307 (Developmental) or Psychology 309 (Adolescent)	3	Education 403H (Methods of Teaching in Secondary School) ³	3
Education 312 (Ed. Psych.)	3	Education 414 (Educational Measurements) ³	3
Education 341 (Cultural Foundations)	3	Electives ²	3
Electives ²	3		
	<u>33</u>		<u>30</u>

¹ For teacher certification one math course is required.

² In addition to the courses stipulated in the junior and senior years, 12 hours in political science, 6 hours in economics, and 6 hours in geography are required for certification in history and social science; 3 hours in economics are required for teaching certification in history only.

³ Twelve-credit block to be taken in spring semester.

Sample Program For Mathematics Major

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Sophomore Year</i>	
English 101-102	6	Mathematics 240 (if not taken in Freshman year)	3
Mathematics 130, 230 or 230, 240 ¹	6-7	Mathematics 310	3
Distribution Requirements ²	17-18	Mathematics 330	3
	<u>30</u>	Distribution Requirements and/or electives	23
			<u>32</u>

80/Requirements for Degrees

Course	Hours	Course	Hours
Junior Year		Senior Year	
Mathematics 320, 360	6	Mathematics 410	3
Mathematics 340	3	Mathematics electives	3
Mathematics elective	3	Electives	24
Electives ¹	18		30
	30		

¹ Course determined by placement test.

² Physics 101, 102, the recommended (but not required) course for the natural science distribution requirement, should be taken in the sophomore year.

³ Computer studies 220 and 250 are recommended.

Sample Program For Mathematics Majors With Teacher Certification

Students planning to meet requirements for a teaching certificate should use the following plan:

Course	Hours	Course	Hours
Freshman Year		Sophomore Year	
English 101-102	6	Psychology 201, 202, or	
History 201, 202	6	201, 203	6
Communications 201	3	Humanities	6
Physical Education	2	Laboratory Science ¹	8
Mathematics 130 and 230 or		Mathematics 240, 310,	
230 and 240	7	330 ²	9 or 6
Distribution requirements		Distribution requirements	
and/or elective	6	and/or electives	3 or 6
	30		32

Requirements for Degrees /81

Course	Hours	Course	Hours
Junior Year		Senior Year	
Physical Education 321	3	One semester will include	
Education 341	3	Education 401S, 403M and	
Psychology 307, 312	6	414	12
Education 303	3	Math 410	3
Math 320, 340, 360	9	Math elective	3
Math Elective	3	Electives	12
Electives	3		30
	30		

¹ Physics recommended.

² If 240 taken in freshman year, the 3 hours for 240 should be used for distribution requirements or electives.

Sample Program For Philosophy Majors

Course	Hours	Course	Hours
Freshman Year		Sophomore Year	
Philosophy 101-102	6	Philosophy 201-202—	
English 101-102	6	History of Philosophy	6
Natural Science ¹	8-10	Humanities ⁴	6
Social Science ²	6	Philosophy 310—Social &	
Physical Education ³	2	Political Philosophy	3
Philosophy 307—Con-		Philosophy 306—Aesthetics	3
temporary Philosophy	3	Foreign Language (German	
	31-33	or French)	8
		Social Science ²	6
			32

82/Requirements for Degrees

Course	Hours	Course	Hours
Junior Year		Senior Year	
Philosophy 305— <i>Ethics</i>	3	Philosophy 490— <i>Senior Seminar</i>	3
Philosophy 395— <i>Elementary Topics in Philosophy</i>	3	Philosophy 440— <i>American Philosophy</i>	3
Philosophy 308— <i>Philosophy of Religion</i>	3	Philosophy 495— <i>Advanced Topics in Philosophy</i>	3
Philosophy 304— <i>Theory of Knowledge</i>	3	Philosophy 421— <i>Eastern Philosophy</i>	3
Philosophy Elective ⁵	3	Electives	12
Foreign Language (German or French)	6		27
Electives	9		
	32		

¹ Biology 101-102; Chemistry 103, 105-104, 106; Chemistry 121, 125-122, 126; Physics 101-102; Physics 103-104; or any lab. science course developed for non-science majors.

² Social Science: Two of any of the following sequences: Economics 201-202, History 101-102, History 201-202, Sociology 200 and any other 200-level sociology course, Psychology 201-202 or 201-203 or any two semester sequence of Political Science.

³ Physical Education: See catalogue statement.

⁴ English 201-202; English 205-206; English 207-208; Fine Arts 201-202; Philosophy 201-202; Music 201-202 or Music 203-204.

⁵ Students should choose elective courses in philosophy that are suitable for achieving their career objectives. Counseling from adviser is strongly recommended. Philosophy 301, *Intermediate Logic*, is recommended.

Sample Programs For Political Science Majors

B.A. in Political Science		B.A. in Political Science with Secondary Teaching Certificate	
Course	Hours	Course	Hours
Freshman Year		Freshman Year	
English 101-102	6	English 101-102	6
Math 110-120, or Philosophy 101-102	6	Math 110-120	6
Natural Science ¹	8	History 201	3
Political Science 102	3	Natural Science ¹	8
Foreign Language	8	Political Science 102	3
		Economics 201-202	6
	31		32

Requirements for Degrees/83

Course	Hours	Course	Hours
Sophomore Year		Sophomore Year	
Humanities ²	6	Humanities ²	6
Foreign Language	6	Sociology 200	3
Physical Ed.	2	Physical Ed.	2
Sociology 200	3	History ⁴	3
Economics 201-202	6	Ed. 341 and Psychology 201	6
Electives	3	Political Science Courses ⁵	12
Political Science Courses ³	6		32
	32		
Junior Year		Junior Year	
Political Science Courses ³	12	Communications 201	3
Sociology (including <i>Social Statistics</i>)	6	Geography	6
History 434 (<i>Urban</i>)	3	Psych. 307, 312, Education 303	9
General Electives ⁵	9	Political Science Courses ³	12
	30		30
Senior Year		Senior Year	
Political Science 491 or 496	3	Education 401S, 403H, 414	12
Sociology 422, 431	6	Physical Ed. 321	3
Political Science Courses ³	6	Political Science 491 or 496	3
General Electives	15	General Electives	12
	30		30
		TOTAL	123
		TOTAL	124

¹ Biology 101-102; Chemistry 103, 105-104, 106; Chemistry 121, 125-122, 126; Physics 101-102; Physics 103-104; or any lab. science course developed for non-science majors.

² English 201-202; English 205-206; English 207-208; Fine Arts 201-202; Philosophy 201-202; Music 201-202, or Music 203-204.

³ Students should choose elective courses in political science that are suitable for achieving their career objectives. Counseling from adviser is strongly recommended.

⁴ Students desiring certification in history as well as in political science are required to complete 18 hours in history.

⁵ Transfer students working for a B.A. degree may not receive credit for more than 8 political science courses taken at a community college.

Sample Program For Psychology Majors (B.A.)

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
English 101-102	6	Psychology 301-302	8
Foreign Language	8	Psychology Electives ^a	6
Laboratory Science ¹	8	Electives ⁴	18-20
Math 110-120, 110-130, 230 ²	4-6		32-34
Physical Education	2		
	<u>28-30</u>		
<i>Sophomore Year</i>		<i>Senior Year</i>	
Foreign Language	6	Psychology 409, 410	4
Humanities	6	Psychology Electives ^a	9
Psychology 201-202	6	Electives ⁴	17
Psychology 231	3		<u>30</u>
Social Science ³	6		
Electives ⁴	3		
	<u>30</u>		

¹ Biology or Chemistry recommended.² Math 220 is not recommended since Psychology 231, *Statistics*, is required for major. Majors should prepare themselves in math, since some background is necessary for Psychology 231.³ Sociology recommended.⁴ Electives outside psychology should be chosen to augment the student's interest area in psychology.^a Psychology electives should reflect the student's interest area in psychology, however, if the student is considering graduate work in psychology, a solid general program should be worked out between student and adviser. At least 3 hours of psychology electives must be at the 400 level.

Sample Program For Psychology Majors (B.S.)

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
English 101-102	6	Psychology 301-302	8
Foreign Language	8	Psychology Electives ^a	6
Laboratory Science ¹	8	Electives ⁴	10-12
Math 110-120, 110-130, 230 ²	4-6	Laboratory Science ¹	8
Physical Education	2		<u>32-34</u>
	<u>28-30</u>		
<i>Sophomore Year</i>		<i>Senior Year</i>	
Foreign Language	6	Psychology 409, 410	4
Humanities	6	Psychology Electives ^a	9
Psychology 201-202	6	Electives ⁴	13
Psychology 231	3	Fifth Semester of Lab Science ⁴	4
Social Science ³	6		<u>30</u>
Electives ⁴	3		
	<u>30</u>		

¹ Biology or Chemistry recommended.² Math 220 is not recommended since Psychology 231, *Statistics*, is required for major. Majors should prepare themselves in math, since some background is necessary for Psychology 231.³ Sociology recommended.⁴ Electives outside psychology should be chosen to augment the student's interest area in psychology.^a Psychology electives should reflect the student's interest area in psychology, however, if the student is considering graduate work in psychology, a solid general program should be worked out between student and adviser. At least 3 hours of psychology electives must be at the 400 level.⁴ Psychology requires one additional semester of a Lab Science for the B.S. in Psychology. Psychology 301 and 302 cannot be used as a lab science; however, 400-level Psychology courses which have labs may be offered as fulfillment of this requirement.

Sample Program For Sociology Majors

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
English 101-102	6	Sociology 391, 392	6
Natural Science (Biology) ¹	8	Sociology (300 level)	
Sociology 200—Fall	3	electives	6
Sociology (200 level) ² —		Electives	18
Spring	3		30
Social Science Dist.	6		
Electives	4		
	30		
<i>Sophomore Year</i>		<i>Senior Year</i>	
Mathematics 120, 220	6	Sociology 421—Fall	3
Psychology 201-202 or		Sociology 480 or 492—Spring	3
Economics 201-202	6	Sociology (400 level)	
Sociology electives	6	electives	6
Humanities (Philosophy		Electives	18
201-202) ¹	6		30
Electives	6		
P.E.	2		
	32		

A student must complete a minimum of 33 hours in sociology but may offer up to 42 hours for the degree. Twenty-four of the hours in the major must be above the 200 level.

Recommended non-departmental electives: computer studies, political science, history, psychology, or economics.

Sample Program For Sociology Majors—Social Work Sequence

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
English 101-102	6	Sociology 367, 368	6
Natural Science (Biology		Psychology 307—Fall	3
101-102) ¹	8	Sociology 304—Spring	3
Sociology 200—Fall	3	Psychology ⁴	6
Sociology ² —Spring	3	Electives (Political Science	
Electives	10	221, 363) ¹	6
	30	Electives	6
			30
<i>Sophomore Year</i>		<i>Senior Year</i>	
Mathematics (120, 220) or		Sociology 467, 468	6
Philosophy 101-102	6	Sociology Electives (Sociol-	
Sociology ³	6	ogy 480) ¹	6
Psychology 201 and 202		Electives	18
or 203	6		30
Social Science Distribution			
(Economics 201-202) ¹	6		
Humanities	6		
P. E.	2		
	32		

The above program includes the minimum number (33) sociology hours. A student may present up to 42 hours in sociology for the degree.

¹ Courses in parentheses are recommendations.

² Choice of Sociology 220, 222, 225.

¹ Courses in parentheses are recommendations.

² Choice of Sociology 220, 222, 225.

³ Choice of Sociology 220, 222, 225, 319, 321.

⁴ Choice of Psychology 303, 304, 313, 403.

Sample Programs For Spanish Majors

A Spanish major may select one of the two plans listed below to satisfy a concentration in Spanish. Plan A is intended for those who wish to pursue a career other than secondary teaching after graduation, i.e., Library Science, graduate studies in Spanish, business, etc. Plan B is intended for those who wish to obtain a Collegiate Professional Certificate in secondary teaching in Spanish.

Plan A—B.A. in Spanish

Course	Hours
Freshman Year	
Electives	3
Social Science	6
English 101-102	6
Math 110-120	6
Physical Education	2
Spanish 101-102 ¹	8
	<hr/> 31
Sophomore Year	
Social Science	6
Humanities	6
Lab. Science	8
Spanish 201-202	6
Electives	6
	<hr/> 32
Junior Year	
Spanish 251-252, 301	9
Required Major Courses 351, 352, 463	9
Major electives	0-6
Electives	0-14
	<hr/> 31

Plan B—B.A. in Spanish with a Teaching Certificate

Course	Hours
Freshman Year	
Communications 201	3
History 201-202	6
English 101-102	6
Math 110-120	6
Physical Education	2
Spanish 101-102 ¹	4
	<hr/> 31
Sophomore Year	
Social Science	6
Humanities	6
Psychology 201 ²	3
Lab. Science	8
Spanish 201-202	6
Electives	3
	<hr/> 32
Junior Year	
Spanish 251-252, 301	9
Required Major Courses 351, 352, 463	9
Physical Education 321	3
Psychology 307, 312	6
Education 341	3
Major Electives	0-6
	<hr/> 31

Freshman Year

Communications 201	3
History 201-202	6
English 101-102	6
Math 110-120	6
Physical Education	2
Spanish 101-102 ¹	4
	<hr/> 31

Sophomore Year

Social Science	6
Humanities	6
Psychology 201 ²	3
Lab. Science	8
Spanish 201-202	6
Electives	3
	<hr/> 32

Junior Year

Spanish 251-252, 301	9
Required Major Courses 351, 352, 463	9
Physical Education 321	3
Psychology 307, 312	6
Education 341	3
Major Electives	0-6
	<hr/> 31

Course	Hours	Course	Hours
Senior Year			
Major Electives	0-15		
Electives	21	Education 303	3
	<hr/> 30	Major Electives	0-12
		Education 401, 403L, 414 ³	12
		Electives	3
			<hr/> 30

¹ Spanish 101-102, 201-202 may be bypassed by a placement test, and a Spanish major may begin the 251-252, 301 sequence in his freshman or sophomore year.

² Recommended by the State Board of Education for certification.

³ Psychology 201 is a prerequisite for Psychology 307 and 312.

⁴ Twelve credit block to be taken in one semester. (Student Teaching)

Bachelor of Science Degree in Business Administration

Distribution requirements should be completed within the first two years or first sixty hours unless the student is officially excused by the Dean of Academic Affairs. The range of courses which a student may take to satisfy the distribution requirements is listed below:

English 12 credits

Each student must complete English 101-102. For the remaining six credits, he may select any six-credit sequence of sophomore English or a combination of three credits of sophomore English and Communications 201.

Mathematics 110, 220 (or Psychology 231). 6 credits

At the discretion of the department chairman, a student may substitute an equivalent or higher course for Mathematics 110.

Business 108 (*Mathematics of Business Finance*) 3 credits

Computer Studies 220 3 credits

Natural Sciences Division 8-10 credits

Student may choose any one of any of the following sequences: Biology 101-102, Chemistry 103, 105-104, 106; Chemistry 121, 125-122, 126; Physics 101-102, or 103-104; or any science course for non-science majors. Freshman geology, astronomy, or other lab-

oratory science course that considers one area of science through the full academic year may be accepted as transfer credit.

Social Sciences Division

A student must choose one of the following 6 hour sequences: History 101-102, History 201-202, Sociology 200 and any other 200-level sociology course, Psychology 201-202 or 201-203, or any two-semester sequence of Political Science selected in consultation with the student's adviser. In addition he must then select 6 more hours in Social Science in accordance with his interest.

12 credits

Physical Education

The physical education requirement must be met within the first sixty hours unless an exemption or a postponement has been granted by the Committee on Degrees. (Note: Effective with the 1970-71 college catalogue, the former requirement of four semesters of physical education was reduced to two semesters, each semester course earning one credit and quality points. Students who entered Christopher Newport College prior to September, 1970, will be required to present only two semesters of required physical education for completion of the degree. Students enrolled prior to June, 1967, are not required to meet this distribution requirement, thus reducing the number of hours required for the degree to 120 semester credits).

2 credits

Business majors may not waive any distribution requirement. Special exceptions from any of the basic distribution requirements as outlined above may be requested in writing to the Committee on Degrees.

The major in business requires a minimum of thirty-nine credit hours including the following courses: Economics 201-202 (*Principles*), Business 201-202 (*Accounting*), Economics 301 (*Money and Banking*), Business 311 (*Principles of Marketing*), Business 323 (*Corporate Finance*), Business 324 (*Principles of Management*), and Business 408 (*Quantitative Analysis*).

The student may or may not elect to count the introductory courses (Economics 201-202, Business 201-202, Business 311, and Business 324) among the hours counted in his major requirement. Account-

ing majors must elect to not count at least fifteen hours of introductory courses among the hours counted in their major requirement in order to meet the minimum Accounting concentration requirements.

Business 408 (*Quantitative Analysis*) will be required of all business majors who will graduate in June, 1975, and thereafter, while Economics 301 (*Money and Banking*), Business 311 (*Principles of Marketing*), and Business 323 (*Corporate Finance*) will be required of all business majors entering Christopher Newport College under this catalogue regardless of their entering classification.

In addition business majors are encouraged to select Business 341-342 (*Business Law*) as an elective.

All students entering Christopher Newport College under this catalogue regardless of classification must elect an area of concentration within the field of Business and Economics. The six areas of concentration are: (1) Accounting, (2) Management, (3) Marketing, (4) Retailing, (5) Economics, and (6) Finance.

The area of concentration must be declared before beginning the last two semesters' work at Christopher Newport College. If the student elects the Accounting concentration, he must declare his intention before the beginning of his last four semesters' work at the College.

The specific requirements of each concentration are in addition to the general business requirements listed above. They are:

Accounting

(27 credits required)

Required

Business 301	<i>Intermediate Accounting</i>
Business 302	<i>Intermediate Accounting</i>
Business 303	<i>Cost Accounting</i>
Business 304	<i>Cost Accounting</i>
Business 305	<i>Auditing</i>
Business 341	<i>Business Law</i>
Business 342	<i>Business Law</i>
Business 400	<i>Advanced Accounting</i>

Three credits are required from the following courses:

Business 351	<i>Governmental Accounting</i>
Business 401	<i>Taxation</i>
Business 402	<i>Advanced Taxation</i>
Business 403	<i>Accounting Theory</i>
Business 495	<i>Topics</i>

Management

(12 credits required)

*Required*Business 418 *Business Policy and Management*

Nine credits are required from the following courses:

Economics 490	<i>Managerial Economics</i>
Economics 451	<i>The Economics of Labor and Collective Bargaining</i>
Psychology 303*	<i>Industrial Psychology</i>
Psychology 313*	<i>Human Relations in Organization</i>
Business 410	<i>Managerial Accounting</i>
Business 412*	<i>Personnel Management</i>
Business 431	<i>Production Management</i>
Business 461	<i>Public Policies Toward Business</i>
Business 495	<i>Topics</i>

* From Psychology 303, Psychology 313, and Business 412, only two courses may be elected. Psychology 303 and Psychology 313 count toward the thirty-nine hours required in Business if this concentration is elected.

Marketing

(12 credits required)

*Required*Business 450 *Advanced Marketing*
Business 452 *Marketing Research*

Six credits are required from the following courses:

Business 401	<i>Taxation</i>
Business 402	<i>Advanced Taxation</i>
Business 410	<i>Managerial Accounting</i>
Business 418	<i>Business Policy and Management</i>
Business 453	<i>Marketing Promotion</i>
Business 461	<i>Public Policies Toward Business</i>
Business 495	<i>Topics</i>
Economics 303	<i>Intermediate Economic Theory (Micro-analysis)</i>
Retailing 336	<i>Retail Store Organization and Operation</i>

Retailing

(12 credits required)

*Required*Retailing 336 *Retail Store Organization and Operation*
Retailing 337 *Retail Sales Promotion*
Retailing 338 *Retail Buying Procedures*
Business 452 *Marketing Research**Economics*

(12 credits required)

*Required*Economics 303 *Intermediate Economic Analysis (Micro-analysis)*
Economics 304 *Intermediate Economic Analysis (Macro-analysis)*

Six credits are required from the following courses:

Economics 302	<i>Public Finance</i>
Economics 351	<i>Urban Development Economics</i>
Economics 420	<i>Business Cycles, Forecasting, and Stabilization Policy</i>
Economics 451	<i>The Economics of Labor and Collective Bargaining</i>
Economics 470	<i>International Trade and Finance</i>
Economics 490	<i>Managerial Economics</i>
Economics 495	<i>Topics</i>

Finance

(15 credits required)

*Required*Business 410 *Managerial Accounting*
Business 418 *Business Policy and Management*
Business 421 *Investments*

Six credits are required from the following courses:

Business 422	<i>Principles of Real Estate</i>
Business 461	<i>Public Policies Toward Business</i>
Business 495	<i>Advanced Topics</i>
Economics 302	<i>Public Finance</i>
Economics 351	<i>Urban Development Economics</i>

94/Requirements for Degrees

Economics 420	<i>Business Cycles, Forecasting, and Stabilization Policy</i>
Economics 470	<i>International Trade and Finance</i>

Sample Program For A Bachelor of Science Degree in Business Administration

<i>Course</i>	<i>Hours</i>
<i>Freshman Year</i>	
English 101-102	6
Business 108	3
Math 110 ¹	3
Laboratory Science ²	8-10
Social Science	6
Electives	3
Physical Education	2

31-33

Sophomore Year

English ³ (Sophomore English and Communications 201)	6
Business 201-202	6
Economics 201-202	6
Business 324	3
Math 220	3
Elective ⁴ (Social Science)	6

30

Junior Year

Computer Studies 220	3
Economics 301	3
Business 311	3
Business 323	3
Business 341-342 ⁵ (Recommended Elective)	6
Electives ⁶	13

31

Requirements for Degrees/95

<i>Course</i>	<i>Hours</i>
<i>Senior Year</i>	
Business 408	3
Business and Economics Concentration ⁷	12
Electives ⁸	15
	<hr/> 30

¹ Math 110 should be taken before Business 108.

² History 101-102, 201-202, or any two-semester sequence of Political Science.

³ Any six credit sequence of sophomore English or a combination of three credits of sophomore English and Communications 201.

⁴ Psychology 201 and Sociology 200 are recommended.

⁵ Business 341-342, Business Law, is strongly recommended for all business majors.

⁶ These electives may be chosen from Business, Economics, or other disciplines as required. Students concentrating in accounting will begin in their junior year; these electives in their junior year will be reduced by the hours of concentration taken.

⁷ If your area of concentration requires more credits than twelve, the electives should be reduced by the number of credits required above the twelve indicated.

Bachelor of Science in Governmental Administration

Distribution requirements should be completed within the first two years or first sixty hours unless the student is officially excused by the Dean of Academic Affairs. The range of courses which a student may take to satisfy the distribution requirements is listed below:

English 101-102	6 credits
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Humanities	6 credits
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The student may select any one of the following sequences: English 201-202, 205-206, 207-208, Fine Arts 201-202, Music 201-202, Music 203-204, Philosophy 201-202, or any six-hour combination of French 251, 252, German 251, 252, Latin 251, 252, Spanish 251, 252.

Mathematics or Philosophy 101-102	4-6 credits
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A student may choose one of the following sequences: Philosophy 101-102 or

Any two of the following four courses in Mathematics: 110, 120, 130 and 220, or the student may choose Mathematics 230 only. A maximum of nine semester credits of 100-level mathematics courses

may be applied toward any degree. Lastly, at the discretion of the Mathematics and Philosophy Departments, the requirement may be satisfied for a student placing beyond Mathematics 230. (Note: Any student who began the sequence Philosophy 201-202 prior to June, 1969, may elect to count this course as fulfillment for the Mathematics/Philosophy requirement instead of the Humanities requirement.)

Computer Studies 220

3 credits

Natural Sciences Division

8-10 credits

A student may choose one of any of the following sequences: Biology 101-102; Chemistry 103, 105-104, 106; Chemistry 121, 125-122, 126; Physics 101-102, or 103-104; or any natural science course for non-science majors. In order to complete his science requirement, a student may transfer eight or ten hours of freshman geology or astronomy, or other laboratory science course that considers one area of science through the full academic year.

Social Sciences Division

12 credits

The student may choose any 12 hours of social science in consultation with his adviser.

Physical Education

2 credits

The physical education requirement must be met within the first sixty hours unless an exemption or postponement has been granted by the Committee on Degrees. (Note: Effective with the 1970-71 college catalogue, the former requirement of four semesters of physical education was reduced to two semesters, each semester course earning one credit and quality points. Students who entered Christopher Newport College prior to September, 1970, will be required to present only two semesters of required physical education for completion of the degree. Students enrolled prior to June, 1967, are not required to meet this distribution requirement, thus reducing the number of hours required for the degree to 120 semester credits).

Governmental Administration majors may not waive any distribution requirement. Special exceptions from any of the basic distribution requirements as outlined above may be requested in writing to the Committee on Degrees.

Core Curriculum Requirements

The student must choose from the following lists core curriculum courses in accordance with his interest and intended specialty. Courses selected for core curriculum requirements may not be applied toward the requirements for a specialty.

Urban Analysis (select a minimum of three courses): Biology 306, Economics 351, Geography 351, History 434, Political Science 451 and/or 461, Sociology 431.

Quantitative Analysis (select one in Computer Studies and one in statistics): Computer Studies 350, 360, 430, or 440; Mathematics 220, Psychology 231, Sociology 391, or Political Science 352.

Values, Organization and Human Behavior (select a minimum of three courses): Humanities 351, Philosophy 305, Political Science 221, 358, 359, or 363, Psychology 313.

Professional Specialties

The student must select one of the following specialties:

Urban Management (select a minimum of six courses):

Business: 351

Economics: 302

Political Science: 361, 363, 371, 381, 391, 401, 491, 496

Urban Development Planning (select a minimum of six courses, including those with an asterisk):

Political Science: 331*, 334*, 337*, 371, 391, 440*, 445, 461, 468, 491, 496

Law Enforcement (the student electing this specialty who has not completed an associate's degree in police science, or its equivalent, will be required to complete eight of the following police science courses offered in the community college system):

Introduction to Law Enforcement

Special Enforcement Problems

Prevention and Control of Juvenile Delinquency

Criminal Law I, II

Legal Evidence
Criminology
Traffic Administration and Control
Administration of Justice
Principles of Criminal Investigation
Industrial and Commercial Security
Advanced Criminal Investigation

(Note: Students enrolled in Christopher Newport College who wish to take these courses in the community college should follow the procedure for taking courses elsewhere.)

Besides the basic requirement as outlined above, a student in this specialty must take any four of the following courses offered at Christopher Newport College:

Political Science: 342, 346, 406, 468, 491, 496

Corrections (the student electing this specialty who has not had significant prior experience in police work will be required to complete two of the following police science courses offered in the community college system):

Police Organization and Administration I
Criminal Law I, II
Administration of Justice

In addition, the student electing this specialty is required to complete the following two courses which are offered in the community college:

Introduction to Corrections
Corrections and the Community

(Note: Students enrolled in Christopher Newport College who wish to take these courses in the community college should follow the procedure for taking a course elsewhere.)

Besides the basic requirements as outlined above, a student in this specialty must complete six of the following courses, with a minimum of two courses in psychology and two courses in sociology:

Political Science: 491 (required of pre-service students)
Psychology: 304, 305, 307, 308, 309, 313, 403, 405
Sociology: 220, 225, 319, 321, 367, 426

Sample Program: B.S. Degree In Governmental Administration With A Specialty In Urban Management

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
English 101-102	6	Urban Analysis ⁴	3
Math 110-120	6	Quantitative Analysis ⁵	3
Political Science 102	3	Values, Organization and Human Behavior ⁶	9
Lab. Science ¹	8	Urban Management Courses ⁷	9
Social Science ²	6	Electives	6
Elective	3		
	<hr/> 32		<hr/> 30
<i>Sophomore Year</i>		<i>Senior Year</i>	
Social Science ²	6	Urban Management Courses ⁷	9
Humanities ³	6	Practicum or Topics Course	3
Physical Education	2	Political Science Electives	9
Computer Studies 220	3	General Electives	9
Urban Analysis ⁴	6		
Quantitative Analysis ⁵	3		
Electives	6		
	<hr/> 32		<hr/> 30

¹ Biology 101-102; Chemistry 103, 105-104, 106, Chemistry 121, 125-122, 126; Physics 101-102, Physics 103-104; or any other natural science course for non-science majors.

² The student may choose any 12 hours of social science in consultation with his adviser.

³ The student may select any one of the following sequences: English 201-202, 205-206, 207-208; Fine Arts 201-202; Music 201-202; Music 203-204; Philosophy 201-202; or any six-hour combination of French 251, 252, German 251, 252, Latin 251, 252, Spanish 251, 252.

⁴ Urban Analysis (select a minimum of three courses): Biology 306, Economics 351, Geography 351, History 434, Political Science 451 and/or 461, Sociology 431.

⁵ Quantitative Analysis (select one in Computer Studies and one in statistics): Computer Studies 150, 360, 430, or 440; Mathematics 220, Psychology 231, Sociology 391, or Political Science 352.

⁶ Values, Organization and Human Behavior (select a minimum of three courses): Humanities 351, Philosophy 305, Political Science 221, 358, 359, or 363, Psychology 313.

⁷ Urban Management (select a minimum of six courses): Business 351, Economics 302, Political Science 361, 363, 371, 381, 391, 401, 491, 496.

Sample Program: B.S. Degree in Governmental Administration With A Specialty in Urban Planning

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
English 101-102	6	Urban Analysis ⁴	3
Math 110-120	6	Quantitative Analysis ⁵	3
Political Science 102	3	Values, Organization, and Human Behavior ⁶	9
Lab. Science ¹	8	Urban Planning Courses:	
Social Science ²	6	Introduction	3
Elective	3	Theory	3
	32	Techniques	3
		Electives	6
			30
<i>Sophomore Year</i>		<i>Senior Year</i>	
Social Science ²	6	Planning Courses:	
Humanities ³	6	Planning Administration	3
Physical Education	2	Planning and Design	3-6
Computer Studies 220	3	Politics of Urban Planning	3
Urban Analysis ⁴	6	Practicum or Topics Course	3
Quantitative Analysis ⁵	3	Public Administration	3
Electives	6	Governmental Budgeting	3
	32	Electives	12
			30-33

¹ A student may choose one of any of the following sequences: Biology 101-102, Chemistry 103, 105-104, 106; Chemistry 121, 125-122, 126; Physics 101-102, or 103-104; or any natural science course for non-science majors.

² The student may choose any 12 hours of social science in consultation with his adviser.

³ The student may select any one of the following sequences: English 201-202, 205-206, 207-208, Fine Arts 201-202, Music 201-202, Music 203-204, Philosophy 201-202, or any six-hour combination of French 251, 252, German 251, 252, Latin 251, 252, Spanish 251, 252.

⁴ Urban Analysis (select a minimum of three courses): Biology 306, Economics 351, Geography 351, History 414, Political Science 451 and/or 461, Sociology 431.

⁵ Quantitative Analysis (select one in Computer Studies and one in statistics): Computer Studies 350, 360, 430, or 440; Mathematics 220, Psychology 231, Sociology 391, or Political Science 352.

⁶ Values, Organization and Human Behavior (select a minimum of three courses): Humanities 351, Philosophy 305, Political Science 221, 358, 359, or 363, Psychology 313.

Sample Program: B.S. Degree in Governmental Administration With A Specialty in Law Enforcement

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
English 101-102	6	Elective	3
Math 110-120	6	Quantitative Analysis ⁵	3
Political Science 102	3	Urban Analysis ⁴	6
Lab. Science ¹	8	Values, Organization and Human Behavior	9
Elective	3	Criminal Justice ^{7 & 8}	3
Social Science ²	6		30
	32		
<i>Sophomore Year</i>		<i>Senior Year</i>	
Humanities ³	6	Criminal Justice ⁸	9
Physical Education	2	Political Science	6
Computer Studies 220	3	Police Science ⁶	
Social Science ²	6	Electives	9
Urban Analysis ⁴	3	General Electives	6
Quantitative Analysis ⁵	3		30
Police Science ⁶	4		
Elective ³	3		
	30		

¹ Biology 101-102; Chemistry 121, 125-122, 126; Physics 101-102; Physics 103-104; or any lab. science course for non-science majors.

² English 201-202; English 205-206; English 207-208; Fine Arts 201-202; Philosophy 201-202; Music 201-202, Music 203-204.

³ Selection of social science courses and elective courses during the first two years should consider carefully the prerequisites for the urban-analysis courses to be taken later. Choose in consultation with an adviser.

⁴ Urban Analysis (select a minimum of three courses): Biology 306, Economics 351, Geography 351, History 414, Political Science 451 and/or 461, Sociology 431.

⁵ Quantitative Analysis (select one in Computer Studies and one in statistics): Computer Studies 350, 360, 430, or 440; Mathematics 220, Psychology 231, Sociology 391, or Political Science 352.

⁶ A total of eight police science courses taken at one of Virginia's Community Colleges, or their equivalent, is required: Introduction to Law Enforcement, Special Enforcement Problems, Prevention and Control of Juvenile Delinquency, Criminal Law I, II; Legal Evidence, Criminology, Traffic Administration and Control, Administration of Justice, Principles of Criminal Investigation, Industrial and Commercial Security, Advanced Criminal Investigation.

^{7 & 8} Criminal Justice courses include the following Political Science courses: 342 (Crime Control and Community Relations); 346 (Politics of the Criminal Justice System); 406 (Trial Court Administration); 468 (Criminal Justice Planning); 491 (Practicum); 496 (Special Topics).

Sample Program: B.S. Degree In Governmental Administration With A Specialty In Corrections

<i>Course</i>	<i>Hours</i>	<i>Course</i>	<i>Hours</i>
<i>Freshman Year</i>		<i>Junior Year</i>	
English 101-102	6	Urban Analysis ⁶	6
Math 110-120	6	Values, Organization, and Human Behavior ⁷	6
Political Science 102	3	Quantitative Analysis ⁸	6
Lab. Science ¹	8	Corrections (Psy/Soc) ⁹	6
Social Science ²	6	Electives	6
Elective	3		
	<hr/> 32		<hr/> 30
<i>Sophomore Year</i>		<i>Senior Year</i>	
Humanities ³	6	Urban Analysis ⁶	6
Physical Education	2	Values, Organization, and Human Behavior ⁷	3
Computer Studies 220	3	Practicum or Topics	3
Social Science ³	6	Political Science Electives	6
Police Science ⁴	4	Corrections (Psy/Soc) ⁹	9
Corrections ⁵	4	General Electives	6
Electives	6		
	<hr/> 31		<hr/> 30

¹ A student may choose one of any of the following sequences: Biology 101-102, Chemistry 103, 105-104, 106; Chemistry 121, 125-122, 126; Physics 101-102, or 103-104, or any natural science course for non-science majors.

² The student may choose any 12 hours of social science in consultation with his adviser.

³ The student may select any one of the following sequences: English 201-202, 205-206, 207-208, Fine Arts 201-202, Music 201-202, Music 203-204, Philosophy 201-202, or any six-hour combination of French 251, 252, German 251, 252, Latin 251, 252, Spanish 251, 252.

⁴ Two courses in police science at a Virginia Community College, or their equivalent are required.

⁵ The following courses, or their equivalent, offered by a Virginia Community College are required: Introduction to Corrections, Corrections and the Community.

⁶ Urban Analysis (select a minimum of three courses): Biology 306, Economics 351, Geography 351, History 434, Political Science 451 and/or 461, Sociology 431.

⁷ Values, Organization and Human Behavior (select a minimum of three courses): Humanities 351, Philosophy 305, Political Science 221, 358, 359, or 363, Psychology 313.

⁸ Quantitative Analysis (select one in Computer Studies and one in statistics): Computer Studies 350, 360, 430, or 440; Mathematics 220, Psychology 231, Sociology 391, or Political Science 352.

⁹ Six of the following courses are required, with a minimum of two courses in psychology and two courses in sociology: Political Science 491 (required of pre-service students); Psychology 304, 305, 307, 308, 309, 313, 403, 405; Sociology 220, 225, 319, 321, 367, 426.

Bachelor of Science Degree in Management Information Science

Management Information Science is an undergraduate professional program leading to an interdisciplinary degree. The curriculum consists of courses chosen from the fields of business, computer studies, economics, mathematics, and psychology.

General Requirements for Graduation

One hundred and twenty-two semester credits are required for graduation. Of these one hundred and twenty-two semester credits, one hundred and twenty must be in academic subjects and two in required physical education. A minimum of two hundred and forty-four grade points is required.

Each student is expected to plan a curriculum including distribution, concentration, and elective offerings. Although the College offers every assistance to the student as he plans his program, it is the ultimate responsibility of the student to make certain that his program of studies properly reflects the requirements for the degree as set forth in the catalogue.

Certain other general requirements as listed below must be fulfilled for graduation.

1. The student must make a minimum grade point average of 2.0 in the fifty-five hours constituting the core curriculum with no more than three grades of D.
2. At least thirty of the last thirty-six hours, including at least the last fifteen hours of the core curriculum, must be taken in residence.
3. Of the 122 credits required for graduation, the student may present no more than 18 total hours of upper level work in any field other than those included in the core curriculum. A maximum of four credits in physical education activities courses may be presented toward the degree.
4. The student may present a maximum of six hours in elementary topics (395) and six hours in advanced topics (495) in any given field.

Courses Taken Elsewhere

Any student who transfers from another accredited institution will have his credits evaluated by the Dean of Academic Affairs and a written statement of acceptable credits will be sent to the student. Transfer credits, up to a maximum of 90 hours, will be given for courses which carry a grade of C or better and are comparable to

courses offered by colleges similar in aims and purposes to Christopher Newport College. (Exception: No more than sixty-six credits may be in courses in a junior or public community college.)

A student may not count any hours from one bachelor's degree toward a second bachelor's degree.

A student may transfer a maximum of 21 semester credits in courses representing the application of the arts and sciences, including the playing of an instrument, ceramics, arts and crafts, and the like.

No more than thirty semester credits may be applied toward the degree for work completed in extension, special institute or correspondence courses, or through the College Entrance Examination Board Advanced Placement Program, College-Level Examination Program, or departmental placement examinations. Students already at Christopher Newport College desiring to take such work elsewhere, or to take summer school work at another institution, to apply to degree credit, must first get written permission from the Dean of Academic Affairs.

Distribution Requirements

Distribution requirements should be completed within the first two years or first sixty hours unless the student is officially excused by the Dean of Academic Affairs. The range of courses which a student may take to satisfy the distribution requirements is listed below:

Humanities

12 credits

Each student must complete English 101-102. For the remaining requirement, he may select any six or eight credit humanities sequence or a combination of three credits of sophomore English or other humanities course and Communications 201.

Mathematics 130

3 credits

In the event of advanced placement, the student may offer Mathematics 230 to satisfy this requirement.

Natural Sciences Division

8-10 credits

Students may choose any one of any of the following sequences: Biology 101-102; Chemistry 103, 105-104, 106; Chemistry 121, 125-122, 126; Physics 101-102 or 103-104 or any science course for non-science majors. Freshman geology, astronomy, or other laboratory science course that considers one area of science

through the full academic year may be accepted as transfer credit.

Social Sciences

12 credits

The student must choose one of the following 6 credit sequences: Economics 201-202, History 101-102, History 201-202, Psychology 201-202 or 201-203, or any two-semester sequence of Political Science or Sociology selected in consultation with his adviser. In addition he must then select 6 more credits in social science in accordance with his interest.

Physical Education

2 credits

The physical education requirement must be met within the first sixty hours unless an exemption or postponement has been granted by the Committee on Degrees. (Note: Effective with the 1970-71 college catalogue, the former requirement of four semesters of physical education was reduced to two semesters, each semester course earning one credit and quality points. Students who entered Christopher Newport College prior to September, 1970, will be required to present only two semesters of required physical education for completion of the degree. Students enrolled prior to June, 1967, are not required to meet this distribution requirement, thus reducing the number of hours required for the degree to 120 semester credits).

Effective September, 1972, a student may waive one of the basic distribution requirements, with the exception of English 101-102. This exemption in no way affects prerequisites for courses, nor does it affect departmental requirements. The waiver does not alter the total number of credits required for the degree.

Any student exempted from a distribution requirement by the Degree Committee forfeits the above option.

Special exceptions, other than the waiver, from any of the basic distribution requirements as outlined above may be requested in writing to the Committee on Degrees.

Core Curriculum Requirements

The core curriculum requirements consist of fifty-five hours in the fields of business, computer studies, economics, mathematics, and psychology. The courses required are listed on page 106.

1. Business: 201-202, 324, 331, 410.
2. Computer Studies: 220, 240, 430, 440, and any two of the following: 330, 340, 350
3. Economics: 201-202
4. Mathematics: 220 (Same as Psychology 231), 230.
5. Psychology: 201, 303, 313

Electives

Recommended electives for the remainder of the 122 credit hours include the following:

1. Business: 303-304, 311, 418.
2. Computer Studies: 250, 360, 431
3. Economics: 490
4. Mathematics: 240, 310, 320
5. Sociology: 432

Sample Program For Management Information Science Majors

Course	Hours	Course	Hours
<i>Freshman Year</i>		<i>Junior Year</i>	
English 101-102	6	Business 324-331	6
Math. 130, 230	7	Comp. Studies 340-360	6
Laboratory Science	8-10	Psychology 303	3
Social Science	6	Electives ¹	15
Comp. Studies 220	3		30
Phys. Educ.	2		
	32-34		
<i>Sophomore Year</i>		<i>Senior Year</i>	
Humanities	6	Business 410	3
Econ. 201-202	6	Comp. Studies 430-440	6
Math. 220 (or Psychology 231)	3	Psychology 313	3
Business 201-202	6	Electives ¹	18
Comp. Studies 240-330	6		30
Psychology 201	3		
	30		

¹ All electives are selected through consultation with student's adviser.

Associate In Arts Degree

A student may choose to fulfill the general degree requirements set forth in the catalogue which is in effect at the date of his entrance to the College or the catalogue in effect at the time he graduates.

General Requirements for Graduation

A minimum of sixty-two semester credits is required for this degree. Of these sixty-two semester credits, sixty must be in academic subjects and two in required physical education. A minimum of one hundred and twenty-four grade points is required.

Each student is expected to plan a curriculum including distribution and elective offerings. Although the College offers every assistance to the student as he plans his program, it is the ultimate responsibility of the student to make certain that his program of studies properly reflects the requirements for the degree as set forth in the catalogue.

The Associate in Arts degree will not be granted until the applicant has been in residence at least one college year and earned a minimum of 30 semester credits at the College. This period must include the last year of the work required for the degree.

Courses Taken Elsewhere

Any student who transfers from another accredited institution will have his credits evaluated by the Dean of Academic Affairs and a written statement of acceptable credits will be sent to the student. Transfer credits, up to a maximum of 30 hours, will be given for courses which carry a grade of C or better and are comparable to courses offered by colleges similar in aims and purposes to Christopher Newport College.

A student may transfer a maximum of 21 semester credits in courses representing the application of the arts and sciences, including the playing of an instrument, ceramics, arts and crafts, and the like.

No more than thirty semester credits may be applied toward the degree for work completed in extension, special institute or correspondence courses, or through the College Entrance Examination Board Advanced Placement Program and College-Level Examination Program. Students already at Christopher Newport College desiring to take such work elsewhere, or to take summer school work at another institution, to apply to degree credit, must first get written permission from the Dean of Academic Affairs.

Distribution Requirements

To qualify for this degree, a student must complete a minimum of thirty-four semester credits according to the following plan:

English 101-102, unless exempted by the English Department, on the basis of tests, previous record, and other criteria. 6 credits

Humanities Division 6 credits

The student may choose one of any of the following sequences: English 201-202, English 205-206, English 207-208, Fine Arts 201-202, Music 201-202, Music 203-204, Philosophy 201-202, or any 6-hour combination of French 251, 252, German 251, 252, Latin 251, 252, or Spanish 251, 252.

Mathematics or Philosophy 101-102 4-6 credits

A student may choose one of the following sequences: Philosophy 101-102 or

Any two of the following four courses in Mathematics: 110, 120, 130 and 220, or the student may choose Mathematics 230 only. A maximum of nine semester credits of 100-level mathematics courses may be applied toward any degree. Lastly, at the discretion of the Mathematics and Philosophy Departments, the requirement may be satisfied for a student placing beyond Mathematics 230. (Note: Any student who began the sequence Philosophy 201-202 prior to June, 1969, may elect to count this course as fulfillment for the Mathematics/Philosophy requirement instead of the Humanities requirement.)

Natural Science Division 8-10 credits

A student may choose one of any of the following sequences: Biology 101-102, Chemistry 103, 105-104, 106, Chemistry 121, 125-122, 126, Physics 101-102 or 103-104, or any natural science course for non-science majors. In order to complete his science requirement, a student may transfer eight or ten hours of freshman geology or astronomy, or other laboratory science course that considers one area of science through the full academic year.

Social Sciences Division 6 credits

Students may choose one of any of the following sequences: Economics 201-202, History 101-102, History 201-202, Sociology 200 and any other 200-level sociology course, Psychology 201-202 or 201-203, or any two semester sequence of Political Science selected in consultation with the student's adviser.

Physical Education 2 credits

The physical education requirement must be met unless an exemption or postponement has been granted by the Committee on Degrees. (Note: Effective with the 1970-71 college catalogue, the former requirement of four semesters of physical education was reduced to two semesters, each semester course earning one credit and quality points. Students who entered Christopher Newport College prior to September, 1970, will be required to present only two semesters of required physical education for completion of the degree. Students enrolled prior to June, 1967, are not required to meet this distribution requirement, thus reducing the number of hours required for the degree to 60 semester credits.)

Special exceptions from any of the basic distribution requirements as outlined above may be requested in writing to the Committee on Degrees.

Electives

A student may choose for the remainder of his 62 credit hours any academic courses which are of special interest to him, provided he has the necessary prerequisites.

Retailing Program**Associate in Arts Degree**

This program is designed to prepare the student for middle-management, supervisory or specialized careers in large and small retail businesses. A wide variety of positions are open in sales management, advertising, display, personnel, buying, merchandising, and public

relations. The coordination of classroom instruction and directed occupational experiences in distributive businesses offers students an excellent opportunity to qualify for these and many other positions in business.

The student completes a planned program of study which includes an average of 450 hours of on-the-job training during the two-year sequence. For the student who has not completed a minimum of one year Distributive Education cooperative training in high school, additional directed occupational experience (250 hours, minimum) is required. The degree program is designed to strengthen basic academic understanding while giving the student an opportunity to take general and specialized courses related to marketing and distribution with special emphasis on retailing. The faculty adviser in Retailing assists the student in curriculum planning, job placement, and progress at school and on the job. This program is co-sponsored by the Distributive Education Service, State Department of Education.

After completing the two-year program, a student may go directly into the field of business or continue toward a four-year degree in Business Administration. The new four-year programs in Business Administration with a major in *Retailing* and a major in *Marketing* offer the two-year Retailing graduate excellent avenues for continuing his formal education at Christopher Newport College.

The request for admission as a student interested in the Retailing program should be clearly stated on the application. Refer to the Admissions section of the College catalogue.

Associate in Arts Degree Program—Retailing

First Year:	Credit Hours
Retailing Courses	11
English 101-102	6
Math Courses	6
Economics Courses	6
	29
Second Year:	
Retailing Courses	14
Sophomore English Courses	6
Natural Science Courses	8-10
Physical Education	2
Electives	3
	33-35

Course Offerings in the Evenings

The flexibility described in the College's Aims and Purposes is realized in the Evening Curriculum which opens the College's curriculum and degree programs (associate and baccalaureate) to those residents of the Lower Peninsula for whom the normal scheduling of classes would make attendance difficult or impossible. The evening curriculum begins at 4:00 P.M. with the bulk of the courses starting at 7:00 P.M. and operates Mondays through Thursdays.

Since a student may enroll in the Evening Curriculum as a Classified or an Unclassified Student, he must first determine which classification is the more suitable to his aims and purposes.

Course Offerings in the Summer

The Summer Session, which extends the College's academic resources to students who reside on the Peninsula but attend or plan to attend another college or university, is an integral part of the educational program of the College. The Summer Session consists of two terms of four and one-half weeks each and one term of nine weeks and offers courses in both day and evening.

Course Offerings in the Newspaper

Courses by Newspaper, a project originated and administered by University Extension, University of California, San Diego, will make college-level courses available to newspaper readers throughout the nation and abroad. The development of the initial course is being underwritten by a \$96,000 grant from the National Endowment for the Humanities. Academic Coordinator for the first course is Paul D. Saltman, Vice Chancellor for Academic Affairs and Professor of Biology at University of California, San Diego. Jane Scheiber is Academic Co-ordinator and Editorial Co-ordinator.

Courses by Newspaper are intended to serve three audiences; the casual newspaper reader, whose interest is caught by the information presented; the reader who wants to explore the subject further and will send for a \$10.00 kit of supplementary materials; and the reader seeking college credit for the course. The kit will include further readings, study guides and bibliographies. Instructions for obtaining the kits and for registering for credit will be carried in the participating newspapers.

The newspaper, previously neglected as a medium for presenting college-level courses, has several advantages over radio and television.

It comes to the home in permanent form; it can be kept indefinitely; and it can be read and re-read in the student's own leisure and at his own speed. The project's administrators believe that the newspaper is an ideal medium for reaching the thousands of people who cannot attend regular college programs and who are eager to continue learning throughout life.

The first Course by Newspaper will consist of twenty 1400-word lectures, each written by one of the nation's distinguished scholars and each dealing with some aspect of the topic, "America and the Future of Man." The Times Herald will publish the lectures as news articles, one to appear each week . . . September 29, 1973-March 9, 1974.

Students seeking credit will enroll at Christopher Newport College. The college will provide a faculty coordinator to meet with the students in evening contact sessions of three hours each to be held after the tenth lecture on December 8, 1973, and again at the end of the course, March 16, 1974. The kits will be required for credit students. Examinations will be administered at the contact sessions: Midterm-December 15, Final-March 23. The opportunity to meet with instructors is an important feature of Courses by Newspaper, distinguishing it from a correspondence course.

The first course will be offered as Humanities 100 at Christopher Newport College. The course description is given below.

Humanities 100. *America and the Future of Man.* A Course by Newspaper. 2 credits. Offered 1973-74.

This course will examine such topics as the impact of change on society and on value systems, biological and ethical implications of advances in medicine and genetics, and the future of technology and its effects on the quality of life.

Special Programs

The Director of Continuing Studies is charged with the responsibility of designing and implementing special courses to meet emerging local needs and demands.

During the last session, the Office administered a conference on the management of Virginia's wetlands, the *Pioneers of Modern Art* film series by Sir Kenneth Clark, the Film Classics Club cosponsored with the Jewish Community Center, courses in conversational French, Spanish and German, and in environmental law.

These special programs, which are open to the public, carry no academic credit and do not require admission to the College.

Theatre in Residence, 1973-74

The Norfolk Theatre Center is the only full-time, professional repertory company in the southeast. It was founded in 1968. Stan Fedyszyn has served as the Center company's artistic director since its founding.

During the past five years the Center has assumed a leadership role in the development of programs through which the performing arts can serve a community. Numerous educationally oriented programs of the Center like EDUCATRE and FESTIVAL X have brought the company regional and national acclaim. The Norfolk Theatre Center has also pioneered in developing improvisational/participatory children's theatre programs in Tidewater.

The company annually produces a 40 week winter season, a 10 week summer Children's Theatre Festival and regularly tours throughout Virginia. Its active repertory at present features over 20 shows. The company is housed in the Old Public Library Building on Freemason Street in Norfolk.

During the 1973-74 season the Norfolk Theatre Center will assume residency at Christopher Newport College in conjunction with the activities of the newly organized curriculum in Theatre Arts.

Non-Credit Courses

Continuing Education Unit

The College offers certain courses which carry no semester credit. These courses instead carry Continuing Education Units (CEU). One Continuing Education Unit is equal to ten hours. The fee for each course will be \$18.00 per CEU except where indicated in the course description.

Courses which carry CEU will be announced in each semester schedule.

Pre-College Educational Development Services

The College, recognizing the changing nature of the modern world which causes one's educational goals to undergo constant redirection, offers a series of services designed to facilitate passage into college level studies for those whose academic backgrounds differ from that of the normal freshman. These services include instruction in reading, writing and mathematics. Each class will be limited to fifteen students to permit the instructor an opportunity to individualize instruction.

Diagnostic tests are required for these courses, and will be held just prior to registration. Dates for testing and registration will be announced in each semester schedule.

The fee for enrollment in these courses is \$36.00 per service program. The non-credit course in reading only will be offered as a free service to students enrolled in credit courses at the College. All other students will be charged \$36.00.

Listed below are the course descriptions for these service program courses:

Reading

Efficient Reading.

Instruction, discussion, and guided individual practice in major reading and study skills, including rate, organizing, visualization, interpretation, critical reading, textbook study, lecture note-taking. Individual guidance and practice in other reading skills as needed.

Mathematics

An intensive introduction to pre-College Mathematics.

The subjects to be considered will be the arithmetic of signed numbers, fractions, and decimals, grouping symbols, exponents, factoring, radicals, sets and set operations, rates and percentages, proportions. The use of variables in equations, solving equations, coordinate geometry, graphing equations, especially lines and conics, simultaneous linear equations.

English

Writing Workshop: Writing Effective English.

For those who need a thorough study of the basic problems and techniques in getting ideas down on paper. Students are encouraged to submit a composition every week for possible class discussion. All papers are returned with written critiques by the instructor.

Topics include deciding what to say; using rough and/or detailed outlines; deciding where to begin, how to develop, and how to conclude; shaping ideas into paragraphs; writing a first draft; making the most of deskbooks; revising and recasting; polishing the final draft, developing the talent to criticize one's own work, and to take and use criticism by others.

This course is especially designed for those who need to improve their written communication.

Courses of Instruction

The following descriptions are of courses which the College offers throughout the session. Courses numbered 100 are primarily for freshmen, 200 for sophomores, 300 for juniors, and 400 for seniors. Upper division courses may be offered in alternate years.

A "continuous course," indicated by a hyphen between the course numbers, covers a field of closely related materials, and the first semester must ordinarily precede the second, unless special permission is given by the chairman of the department concerned. If a course is made up of two closely related semesters, but the second may be taken first, the course numbers are separated by a comma.

Schedules detailing when these courses will be offered are published each semester. The schedule outlining classes is available from the Office of the Registrar.

Ancient Language (See Classical Studies)

Biology and Environmental Science

A minimum of 41 hours credit* is required for a concentration in Biology. These include Biology 101-102, 203, 204, 490 and one botany course exclusive of 303. Majors are expected to take both the lecture and the laboratory in those courses in which the lecture and laboratory are listed separately. The remaining biology hours may be selected from the list of elective courses with the aid of the student's adviser. Majors must also take Chemistry 121,125-122,126, Chemistry 321,325-322, 326; Mathematics 230; and Physics 101-102 or Physics 103-104. The program should include six to ten hours of non-biology electives as well as a foreign language.

Unless otherwise specified, the prerequisite for all courses above the 100-level is successful completion of Biology 101-102.

101-102. *Principles of Biology.* Continuous course; lectures three hours, laboratory three hours; four credits each semester.

Basic principles of biology as revealed by research and experimentation; the relation of these principles to the success of living organisms.

* The student may elect not to count the introductory courses (Biology 101-102) among the hours counted in his major requirement. If he so elects, he must declare his intention to the Registrar prior to the completion of ninety semester credits.

203. *Cell Biology*. Second semester; lectures three hours, laboratory four hours; four credits. Prerequisite: Chemistry 321, 325-322, 326, or consent of instructor.

Physiology at cellular levels of organization; cell structure and function; osmosis, membrane transport, enzymes, photosynthesis, respiration, and other metabolic processes.

204. *Genetics*. First semester; lectures three hours; three credits. Mechanisms of inheritance, mutation, recombination, genetic expression and regulation at all levels of biological organization.

204a. *Genetics Laboratory*. First semester; four hours; one credit. Prerequisite: Concurrent or preregistration in 204.

206. *Plant Taxonomy*. Second semester; lectures two hours, laboratory four hours; four credits.

Phyletic relationships of flowering plants and ferns; principles of classification of local flora. (Offered in even years.)

212. *Microbiology and Man*. Summer session; lectures three hours, laboratory two hours; four credits. Prerequisite: Biology 101-102 or 213, 214.

Elementary principles of bacteriology; emphasis on microorganisms as etiological agents in disease; practical methods of disinfection; factors of infection and immunity.

213, 214. *Human Anatomy and Physiology*. Continuous course; lectures three hours, laboratory two hours; four credits each semester. No prerequisite.

Comprehensive and systematic study of the living processes, structure and function of the human body.

215. *Biology Evolution*. Second semester; lectures three hours; three credits.

Principles of biological evolution; detailed discussion of natural selection, adaptation, population genetics, isolating mechanisms, and speciation.

216. *Invertebrate Zoology*. Second semester; lectures three hours, laboratory four hours; four credits.

Morphology and ecology of representative invertebrates studied in field and laboratory.

301. *Microbiology*. Second semester; lectures three hours, laboratory four hours; four credits.

Introduction to the morphology, physiology, and genetics of bacteria and the bacterial viruses.

302. *Introductory Marine Science*. First semester; lectures three hours; three credits. Prerequisite: Chemistry 121, 125-122, 126.

Physical and chemical properties of hydrosphere; application of basic ecological principles to marine environment; history of oceanography.

302a. *Introductory Marine Science Laboratory*. First semester; four hours; one credit. Prerequisite: Concurrent or preregistration in 302.

303. *Landscape Horticulture*. Second semester; lectures three hours, laboratory four hours; four credits. Prerequisite: Consent of the instructor.

Principles of good landscape design, use, choice, identification and cultural practices employed with ornamental plants. (Offered in odd years.)

305. *Plant Anatomy*. First semester; lectures three hours, laboratory six hours; four credits. Prerequisite: Biology 310.

Structures and arrangement of cells and tissues in higher plants; cytology, physiology, taxonomy, ecology, evolution and development included where related to anatomy. (Offered in even years.)

306. *Environmental Conservation*. First semester; lectures three hours; three credits. Prerequisite: Completion of distribution science requirement or consent of the instructor.

Study of soil, water, plant, air, wildlife, recreational, and mineral resources, their interrelationships and modifications by man, steps necessary to use them wisely for present and future generations.

306a. *Environmental Conservation Laboratory*. First semester; four hours; one credit. One overnight field trip will be required. Prerequisite: Concurrent or previous registration in 306.

308. *Plant Physiology*. First semester; lectures three hours; three credits. Prerequisite: Chemistry 121, 125-122, 126.

Processes of plant growth to include mineral nutrition, water relations, translocation, control of plant growth and development by hormones, light, temperature, metabolism, and photosynthesis. (Offered in even years.)

308a. *Plant Physiology Laboratory*. First semester; four hours; one credit. Prerequisite: Concurrent or preregistration in 308.

309. *Embryology of Vertebrates*. First semester; lectures three hours; three credits.

Comparative description and analysis of the principles and processes leading to establishment of the adult vertebrate body plan; gametogenesis.

309a. *Embryology of Vertebrates Laboratory*. First semester; four hours; one credit. Prerequisite: Concurrent or preregistration in 309.

310. *Morphology and Phylogeny of Plants*. First semester; lectures three hours, laboratory four hours; four credits.

Morphology of representative plants studied in laboratory and field, emphasis on reproductive processes and phylogenetic relationships. (Offered in odd years.)

403. *Advanced Marine Science*. Second semester; lectures three hours; three credits. Prerequisite: Biology 302.

Principles of marine ecology; biogeography; pollution ecology; application of statistical methods to analysis of marine data.

403a. *Advanced Marine Science Laboratory*. Second semester; four hours; one credit. Prerequisite: Concurrent or preregistration in 403.

404. *Animal Histology*. First semester; lectures two hours, laboratory four hours; four credits.

Comparative study of cells and tissues of invertebrate animals. (Offered in odd years.)

407. *General Ecology*. Second semester; lectures three hours, laboratory four hours; four credits. Prerequisite: Chemistry 121,125-122,126.

Survey of major biotic communities; factors controlling the relation of organisms in their environment. Structure, metabolism, communities, ecosystems, and population control emphasized. Several week-end trips will be required.

409. *Comparative Anatomy of Vertebrates*. Second semester; lectures three hours, laboratory four hours; four credits. Prerequisite: Biology 309 is recommended.

General chordate anatomy, emphasizing the vertebrates, considered on a comparative and phylogenetic basis. Laboratory work includes dissection and study of dogfish, necturus, cat, and other supplementary forms.

414. *Introductory Biochemistry*. First semester; lectures three hours; three credits. Prerequisite: Chemistry 321,325-322,326.

Molecular basis of life; physical and chemical properties of selected biochemical pathways. (Offered in odd years.)

414a. *Introductory Biochemistry Laboratory*. First semester; four hours; one credit. Prerequisite: Concurrent or preregistration in 414.

421. *Problems in Biology*. Both semesters. For junior and senior biology majors only. One to three credits. No more than three credits may be submitted for the degree.

An opportunity for independent research or literature review with guidance of a faculty adviser.

490. *Seminar*. Both semesters. Every two weeks, for biology majors only. One credit during either junior or senior year.

Discussion by faculty and students of contemporary problems in biology; presentation of seminar required of seniors.

495. *Topics in Biology*. Both semesters; lectures one to four hours; one to four credits. Prerequisites: Upper division standing and consent of the instructor. Biology majors may offer no more than nine credits in topics towards graduation.

A variety of biological and biologically related topics not included in the regular curriculum will be offered. These topics may fill a particular need or be an advanced treatment of a regular course.

Business

The major in business requires a minimum of thirty-nine credit hours* including the following courses: Economics 201-202 (*Principles*), Business 201-202 (*Accounting*), Economics 301 (*Money and Banking*), Business 311 (*Principles of Marketing*), Business 323 (*Corporate Finance*), Business 324 (*Principles of Management*), and Business 408 (*Quantitative Analysis*).

* The student may or may not elect to count the introductory courses (Economics 201-202, Business 201-202, Business 311, and Business 324) among the hours counted in his major requirement. Accounting majors must elect to not count at least fifteen hours of introductory courses among the hours counted in their major requirement in order to meet the minimum Accounting concentration requirements.

Business 201-202 (*Accounting*), Economics 301 (*Money and Banking*), Business 311 (*Principles of Marketing*), Business 323 (*Corporate Finance*), Business 324 (*Principles of Management*), and Business 408 (*Quantitative Analysis*).

Business 408 (*Quantitative Analysis*) will be required of all business majors who will graduate in June, 1975, and thereafter; while Economics 301 (*Money and Banking*), Business 311 (*Principles of Marketing*), and Business 323 (*Corporate Finance*) will be required of all business majors entering Christopher Newport College under this catalogue regardless of their entering classification.

Successful completion of Business 324 is the prerequisite for any 400-level course listed below.

102. *Introduction to Business*. Both semesters; lectures three hours; three credits.

This course explores and analyzes the broad area of business administration from the manager's perspective. Included will be a review of decision-making, business resources, and the current business environment. This course is not open to students majoring in business classified as junior or senior. Juniors and seniors in other majors may elect to take this course.

108. *Mathematics of Business Finance*. Both semesters; lectures three hours; three credits. Prerequisite: one semester of college mathematics.

Emphasizes such practical business problems as simple interest and discounts, averaging methods, inventory evaluation, compound interest, annuities, and perpetuities.

201-202. *Principles of Accounting*. Continuous course; lectures two hours, laboratory two hours; three credits each semester.

A study of the elementary principles and procedures of individual proprietorship, partnership, and corporation accounting.

301-302. *Intermediate Accounting*. Continuous course; lectures three hours; three credits each semester. Prerequisite: Business 201-202.

An analysis of balance sheets and profit and loss statements, together with the theory of valuation underlying the various accounts used in these statements.

303-304. *Cost Accounting*. Continuous course; lectures three hours; three credits each semester. Prerequisite: Business 201-202.

The fundamentals of job order, process, and standard cost accounting and cost and profit analysis for decision-making purposes. Use of problems is made.

305. *Auditing*. Both semesters; lectures three hours; three credits. Prerequisite: Business 301-302.

Designed to provide the student a working knowledge of auditing procedures through the application of auditing principles. Preparation of audit reports

and records is used to emphasize the necessary standards of ethics in the accounting profession.

311. Principles of Marketing. Both semesters; lecture and discussion three hours; three credits. Prerequisite: Economics 201-202.

Study of the activities which direct the flow of goods and services from producer to consumers in modern economic systems. Emphasis is placed on developing the student's ability to analyze and evaluate marketing problems and policies. (Same as Retailing 102.)

323. Corporate Finance. Both semesters; lecture and discussion three hours; three credits. Prerequisite: Business 201-202.

Topics covered include a brief history of corporate developments; types of securities issued, promotion, capitalization, ownership, and management; sales and regulation of securities; income, working capital requirements, corporate expansion, failure, and reorganizations. Attention given to the importance of taxation to corporate financing and to corporate responsibilities affecting the public interest.

324. Principles of Management. Both semesters; lecture and discussion three hours; three credits.

The fundamentals of management underlying the areas of organization and operation of business enterprises. Emphasis will be placed on the basic functions of management such as planning, organizing, directing, and controlling business activities.

331. Statistical Methods in Business and Economics. First semester; lecture and discussion three hours, laboratory one hour; three credits. Prerequisite: Mathematics 220.

The collection, presentation, analysis and interpretation of numerical and quantitative data in economics and business. Each student will complete a project during the term which will demonstrate his ability to properly use statistical techniques and his powers of interpretation.

341-342. Business Law. Continuous course; lecture and discussion three hours; three credits each semester.

A study of the primary legal principles and their applicability to ordinary commercial transactions, with emphasis on contracts, legal forms of business enterprise, agencies, negotiable instruments, and labor and antitrust legislation.

351. Governmental and Institutional Accounting. First semester; lectures three hours; three credits. Prerequisite: Business 201-202.

Budgetary accounting and finance control and their applications to various governmental units, more particularly cities, counties, and other political subdivisions, and public institutions.

400. Advanced Accounting. Second semester; lecture and discussion three hours; three credits. Prerequisite: Business 301-302.

The study of accounting for partnerships, consolidated statements, and fiduciaries.

401. Taxation. First semester; lecture and discussion three hours; three credits. Prerequisite: Business 201-202.

Federal income tax laws as applied to individuals.

402. Advanced Taxation. Second semester; lecture and discussion three hours; three credits. Prerequisite: Business 401.

Federal Tax laws as applied to partnerships, corporations, estates, trusts, and gifts.

403. Accounting Theory. Either semester as required; lecture and discussion three hours; three credits. Prerequisite: Business 301-302.

A review of current topics in accounting; a detailed study of articles in accounting journals and related publications.

408. Quantitative Analysis. Either semester as required; lecture and discussion three hours; three credits. Prerequisites: Mathematics 108, 110, and 220, or equivalent, and Business 201-202.

An analysis of the quantitative, operations-research, and management science approach to decision theory and the use of information systems by business management. Business simulation models and computer information systems will be considered insofar as their use is concerned.

410. Managerial Accounting. Either semester as required; lecture and discussion three hours; three credits. Prerequisite: Business 201-202.

The study of the use of accounting data by management in planning, budgeting, and forecasting business and economic variables.

412. Personnel Management. Second semester; lecture and discussion three hours; three credits. Prerequisite: Business 201-202.

A study of the principles and problems involved in personnel administration. Topics include job analysis, recruiting, selection and training of personnel. The course will also include a discussion of collective bargaining and an introduction to wage and salary administration.

418. Business Policy and Management. Either semester as required; lecture and discussion three hours; three credits. Prerequisite: Business 201-202.

An analysis of the principles and techniques to be observed in the formulation of management policies, hopefully to develop skills in the formulation of such policies regarding operations of production, marketing, and finance.

421. Investments and Insurance. Either semester as required; lecture and discussion three hours; three credits. Prerequisite: Business 201-202 and Economics 201-202.

An analysis of investment risks, portfolio management, and the securities markets. A study of insurance types, insurance contracts, policy conditions, reserves, surpluses and dividends, and investments. Analysis and solution of financial problems related to investment and insurance.

422. Principles of Real Estate. Either semester as required; lecture and discussion three hours; three credits. Prerequisite: Business 201-202 and Economics 201-202.

The role and importance of real estate in the economy; legalities, financing, and appraisal. Problems of obtaining, owning and transferring real estate. Problems and solutions of real estate as an investment.

431. Production Management. First semester; lecture and discussion three hours; three credits. Prerequisite: Business 201-202.

An analysis of the production phase of business activity. Concentration centered on the method and design and operation of major production systems.

450. *Advanced Marketing*. First semester; lecture and discussion three hours; three credits. Prerequisites: Business 201-202, 311, and Math 220.

Analyzes the allocation and performance of those activities occurring in the distribution channels. Analyzes various products and their movements through their distribution channels, from supplier to consumer.

452. *Market Research*. Second semester; lecture and discussion three hours; three credits; independent research. Prerequisites: Business 311, 201-202, and Math 220, or consent of instructor.

The application of analytical tools in the investigation of marketing problems in business. Emphasis is given to the development of sound policies in the systematic selection, gathering, and interpretation of marketing information.

453. *Marketing Promotion*. Either semester as required; lecture and discussion three hours; three credits. Prerequisites: Business 201-202, 311.

A study of sales management, advertising and sales promotion with emphasis on the blending of these functions in the most efficient manner.

461. *Public Policies Toward Business*. Either semester as required; lecture and discussion three hours; three credits. Prerequisites: Business 201-202, and Economics 201-202.

A study of the economic, legal, and political aspects of government regulation and taxation of, aid to, and competition with private business. Emphasis on the problems of industrial concentration, conglomerate mergers, and monopoly power.

495. *Business, Accounting, and Economics Topics*. Both semesters; one to three hours seminar or independent research; one to three credits. Prerequisite: Declared major in Business and permission of the instructor.

Topical seminars in Business, Accounting, and Economics to cover a variety of areas; taxation, income and demand analysis, comparative systems, financial analysis, management, accounting and economic thought and methodology. (Same as Economics 495.)

Chemistry

103-104. *Introductory Chemistry*. Continuous course; lecture three hours; three credits each semester. Co-requisite: Chemistry 105-106 or consent of department.

First semester, a survey of the fundamentals of general and inorganic chemistry. Second semester, a survey of organic and biochemistry. (This course should not be elected by persons planning to major in the natural sciences or engineering.)

105-106. *Introductory Chemistry Laboratory*. Continuous course; laboratory three hours; one credit each semester. Co-requisite: Chemistry 103-104.

An introduction to the experimental techniques and methods of chemistry.

121-122. *General Chemistry*. Continuous course; lecture three hours; three credits each semester. Co-requisite: Chemistry 125-126 or consent of department. Prerequisite: Math 110 or satisfactory scores on Chemistry Placement Examination.

The fundamental principles and laws of general chemistry.

125-126. *General Chemistry Laboratory*. Continuous course; laboratory five hours; two credits each semester. Co-requisite: Chemistry 121-122 or consent of department.

Application of experimental methods to the solution of chemical problems.

321-322. *Organic Chemistry*. Continuous course; lecture three hours; three credits each semester. Co-requisite: Chemistry 325 or 326 or consent of department. Prerequisite: Chemistry 122 and 126.

Chemistry of the organic compounds of carbon. Structure, reactivity and reaction mechanisms.

325-326. *Organic Chemistry Laboratory*. Continuous course; laboratory five hours; two credits each semester. Co-requisite: Chemistry 321 or 322. Prerequisite: Chemistry 122, 126.

Introduction to common techniques, synthesis, qualitative organic analysis.

341-342. *Physical Chemistry*. Continuous course; lecture three hours; three credits each semester. Co-requisite: Chemistry 345 or 346 or consent of department. Prerequisite: Chemistry 322, 326; Math 240; Physics 101.

A study of the interactions of matter and energy. Thermodynamics, atomic and molecular structure, solutions, kinetics, electrochemistry.

345-346. *Physical Chemistry Laboratory*. Laboratory five hours; two credits each semester. Co-requisite: Chemistry 341, 342. Prerequisite: Chemistry 322, 326.

Classical Studies

Latin

No recent graduate with 2 units of high school Latin may take 101-102 for credit. Students with 3 units of high school Latin are to consult the department for proper placement. Latin 101-102 will be taught every other year in alternation with 201, 202.

Students may be considered to have satisfied the foreign language requirement by completion of the 202 level of Latin, or satisfactory performance on the departmental placement examination. The student who satisfies the requirement by examination will receive 10 hours credit. The student who places in the 202 level course, upon satisfactory completion of that course will be granted 7 semester hours credit. The student who places in the 201 level course will be granted 4 semester credits for the 102 level course upon his satisfactory completion of the 201-202 sequence.

101-102. *Elementary Latin*. Continuous course; lectures four hours; four credits each semester. (Not offered in 1973-74 session.)

Programmed course utilizing self-teaching techniques to communicate the fundamentals of the language; multi-media approach; wide variety of cultural material; emphasis on building English vocabulary.

201. *Intermediate Latin*. First semester; lectures three hours; three credits. Prerequisite: 101-102 or 2 units of high school Latin.

A review of grammatical structure combined with readings from major Latin authors.

202. *Latin Readings*. Second semester; lectures three hours; three credits. Prerequisite: 101-102 or 2 units of high school Latin.

Readings in the works of a single major Latin author. Parallel discussion of literary, political, and cultural elements.

251, 252. *Literature of the Republic and Empire*. Lectures three hours; three credits each semester. Prerequisite: three or four units of high school Latin or Latin 201, 202. Offered on demand.

Reading of selections representative of the works of important authors of the Republic and Empire. The aim of the course is to help the student comprehend the total Roman achievement over a long span of time in the literary field.

Classical Civilization

The following courses do *not* require a knowledge of Greek or Latin.

100. *Word Origins and Meanings*. Both semesters; lectures three hours; three credits. Open to all students.

A systematic program designed to aid in the comprehension of words encountered in college level reading. Analysis of Latin and Greek components in English words; derivatives, loan words, Latin phrases used in English; word histories. Useful for the general student and for the student in natural and social sciences, medicine, law, business, the humanities, and other fields.

200. *Mythology*. Both semesters; lectures three hours; three credits. Open to all students.

A thorough study of the principal classical myths; their Eastern and Graeco-Roman origins; their connections with classical civilization and subsequent influence on Western culture (literary, artistic, anthropological, and psychological). Includes a unit on Norse mythology.

301, 302. *The Ancient World*. (Same as History 301, 302). Lectures three hours; three credits each semester. (Offered every other year in alternation with 303, 304.)

First semester: the origin and nature of the early civilizations between the Nile and Indus rivers; the rise of the Greek city-state; Minoan and Mycenaean civilizations; Greek democracy; Greek imperialism before and after Alexander.

Second semester: the early peoples of Italy, including the Etruscans; the political, social, and institutional evolution of the Roman Republic; the expansion, organization, and eventual decline of the Roman Empire.

303, 304. *Classical Drama*. Lectures two hours; two credits each semester. Classical Civilization 200 is recommended as a prerequisite,

but not required. (Offered every other year in alternation with 301, 302.)

Reading and discussion of major works of Aeschylus, Sophocles, Euripides, Aristophanes, Seneca, Plautus, Terence.

Exploration of the origin, nature, and function of Classical Drama and of its influence upon subsequent literature of the Western World.

Not a survey course; each semester will parallel the other with readings from different plays of the authors mentioned above.

Communications and Creative Arts

The Department of Communications and Creative Arts, established in 1972, has grown out of the conviction that at this time when society is in transition there is a special need to encourage the best expression of ideas, ideals, and experiences in order to disseminate knowledge and to remove misunderstandings among men. The printed word, the stage, screen, and microphone are the forums for accomplishing this.

Communications and creative arts course offerings enable the student to study the structures, functions, processes, and effects of mass and inter-personal communications in modern society. They are divided into these areas: communications, design, speech, theatre, writing, journalism, cinema, and reading.

The department will also develop courses and cross-list courses from other departments that explore problems—economic, legal, philosophical, psychological, social, semantic—common to communications activities and media.

Students from all disciplines are encouraged to choose communications electives.

Special topics courses listed as *Elementary Topics* (395) and *Advanced Topics* (495) vary from year to year. Subjects and contents of these courses are determined by the needs and special interests of students and by the expertise of faculty members. A student may take these courses with the permission of the instructor or the department chairman. A maximum of nine semester hours for 395 courses and a maximum of nine semester hours for 495 courses in any one department can be offered towards a degree.

Communications

291. *Mass Communication and Society*. Lectures three hours; three credits.

An introductory survey of the structures, functions, philosophy, processes, and effects of mass communication in modern society.

325. *Communications and Public Relations*. Second semester; lectures three hours; three credits.

History and practice of public relations in the modern business world. Emphasis on practical applications of communications in public relations.

395. *Elementary Topics: Semantic Applications*. Second semester; lectures three hours; three credits. Prerequisites: English 101-102.

Language as man's unique symbolic vehicle for informative, dynamic, emotive, and aesthetic communications. Types of definition and influence of context on word meanings. Characteristics of language which facilitate or impede communication in physical and social sciences, humanities, business, and professions. The course will include reading and discussion of newspapers, journals, and a book of current interest, to illustrate interaction of writer, language, and reader.

Creative Arts

218. *Basic Design*. Both semesters; lectures two hours, studio four hours; three credits.

A basic foundation course providing the elementary skills, concepts, and language of two- and three-dimensional design as related to communications and visual arts. (Same as Fine Arts 218.)

Speech

201. *Public Speaking*. Both semesters; lectures three hours; three credits.

Study of techniques of public speaking; analysis of typical effective speeches; construction and delivery of original speeches of varying types for various purposes, such as clear explanation, conviction, and persuasion. Recommended for English majors and future teachers.

203. *Oral Interpretation of Literature*. Second semester; lectures three hours; three credits.

Increased appreciation of literature and responsiveness to its intellectual and emotional content through training and practice in communicating it to others. Recommended for English majors.

395. *Elementary Topic: Persuasive Communication*. First semester; lectures three hours; three credits. Prerequisite: Communications 201.

Advanced public speaking concentrating on ways to change attitudes, beliefs, values, and actions of others. Analyses of communication sources, messages, and channels, and their influences on the behavior of audiences.

395. *Elementary Topic: Discussion Leadership*. Second semester; lectures three hours; three credits. Prerequisite: Communications 201.

Study of group processes and training in problem-solving discussion. Course undertakes to present those principles of intellection and behavior which the newcomer to systematic discussion must understand if he is to adjust constructively to the demands of this kind of inquiry. Emphasis is practical rather than theoretical.

Theatre

111. *Introduction to the Theatre*. First semester; lectures three hours; three credits.

A consideration of the materials of creative expression in drama, an appreciation of the playwright's work and how his script is brought to fruition in production. The focus will be on the principles of dramatic interpretation—direction, acting, and technical design.

112. *Introduction to Technical Production*. Second semester; lectures three hours; three credits. Prerequisite: Communications 111.

Study and practice of technical components of the theatre: costuming, lighting, sound, make-up, properties, stage rigging, and scene design, construction and painting.

113-114. *Acting*. Continuous course; lectures three hours; three credits each semester. Prerequisite: Communications 111 or consent of instructor.

Critical analysis and appreciation of acting developed by lectures, reading, and discussion, and the presentation of individual and group scenes. Development of the essentials of the actor's craft: concentration, observation, imagination, characterization.

323-324. *Direction*. Continuous course; lectures three hours; three credits each semester. Prerequisites: Communications 111 and 112.

Study and practice in the principles of choosing the play, casting, rehearsals and performance. Special emphasis on direction of one-act plays.

(This course will be introduced in Fall of 1974.)

395. *Elementary Topic: History of the American Theatre*. Second semester; lectures three hours; three credits.

History and development of the American theatre from Thomas Godfrey's *The Prince of Parthia* to the opening of the Lincoln Center.

Writing

351. *Fiction Writing*. First semester; lectures three hours; three credits.

Intensive exercises in the writing of fiction, with emphasis on the short story. Attention to selected examples of contemporary authors. Manuscripts read and discussed in class. Individual conferences. Open to sophomores with the approval of the instructor. (Same as English 351.)

352. *Poetry Writing*. Second semester; lectures three hours; three credits.

Intensive exercises in the writing of poetry. Analysis of contemporary techniques. Manuscripts read and discussed in class. Individual conferences. Open to sophomores with the approval of the instructor. (Same as English 352.)

433. *Advanced Rhetoric and Composition*. Second semester; lectures three hours; three credits.

Study of effective expository writing. Emphasis on contemporary styles. Individual conferences. Recommended for those who wish to write effectively and for those who wish to teach composition. Open to juniors and seniors. (Same as English 433.)

Journalism

260. *News Writing and Reporting*. First semester; lectures three hours; three credits. Prerequisite: English 101-102.

A writing course emphasizing the fundamentals of news gathering, news evaluation, and structure of news stories and features.

261. *Advanced News Writing and Reporting*. Second semester; lectures three hours; three credits. Prerequisite: Communications 260.

Detailed study of the techniques of securing news as well as the sources of news in the fields of public interest. Development of judgment in the style of news writing. Emphasis is placed on developing clarity and maturity in the student's writing. Work in editorials, columns, reviewing and criticism techniques. Practical exercises and assignments to cover actual news situations are a part of this course.

Cinema

336. *The Cinema Since 1945*. Second semester; lectures three hours, film viewing two hours; four credits. Prerequisite: completion of humanities distribution requirements or permission of instructor.

A study of the cinema as an art form and its development since the close of World War II.

395. *Elementary Topic: Bergman*. Summer session; lectures three hours; three credits.

Study of the development of Ingmar Bergman from *The Seventh Seal* to *Persona*.

Reading

180. *Advanced Reading Technique*. Second semester; lectures two hours, laboratory three hours; two credits. Prerequisite: sophomore standing or permission of the instructor.

Theory and practice of reading process and technique directed toward efficient and critical reading at advanced levels. Skills covered are rate, organizing, study techniques, concentration, recall, and concrete, inferential, and critical comprehension. Laboratory periods provide for individual practice and discussion with instructor in reading skills which are most significant to the individual, at a level appropriate for him.

Computer Studies

220. *Computer Structure and Programming*. Both semesters; lectures three hours; three credits. Recommended prerequisite: one semester of college level mathematics.

Introduction to basic digital computer concepts and structure including input-output devices, data storage and retrieval, and operating systems. Computer programming, with FORTRAN as the primary language, will be introduced.

240. *Business Data Management Techniques*. Both semesters; lec-

tures three hours; three credits. Prerequisite: C.S. 220 or equivalent experience.

Advanced programming techniques and file management designed for students majoring in the business field. Business systems are introduced. The primary programming language is COBOL.

250. *Computerized Mathematical Techniques*. Both semesters; lectures three hours; three credits. Prerequisite: Math 130 or equivalent, C.S. 220 or equivalent experience.

Mathematical data handling techniques for students interested in math or science. BASIC and FORTRAN are used as programming languages.

330. *Computer Organization*. First semester; lectures three hours; three credits. Prerequisite: C.S. 220, C.S. 240, or C.S. 250, or permission of the instructor.

An in-depth study of computer design and structure. Boolean algebra will be applied in the study of computer functional organization. Special emphasis will be placed on the logic elements used in implementing computer functions.

340. *Systems Programming*. Second semester; lectures three hours; three credits. Prerequisite: C.S. 330, or consent of the instructor.

A study of the techniques used by systems programmers. The PDP-8 and IBM S/360 assembler languages, data types, integer and floating point arithmetic, indexing, interrupts, subroutines, macros, and parameters.

350. *Systems Analysis*. First semester; lectures three hours; three credits. Prerequisite: C.S. 220, C.S. 240, or permission of the instructor.

Introduction to the problems of systems analysis and design. The organization of human resources to determine system needs and facilities for data collection and selection. The impact of computer introduction on existing organizational patterns. Feasible business problem applications. Evaluation of system effectiveness on a cost vs. performance basis.

360. *Modeling and Simulation*. Second semester; lectures three hours; three credits. Prerequisite: C.S. 220, one year of college mathematics.

Introduction to simulation and model building using the digital computer. Study of discrete and continuous systems using specialized languages such as GPSS and DYNAMO. Consideration of experimental design, statistical analysis of results, and optimization techniques.

395. *Elementary Topics*. Any semester; lecture three hours; three credits. Prerequisites: C.S. 220, and C.S. 240 or C.S. 250, or consent of the instructor. A maximum of 6 credits may be offered toward satisfying a degree requirement.

Topics in computer science of particular interest such as Advanced Programming Languages, and Communication Systems.

430. *Operations Research I*. First semester; lectures three hours; three credits. Prerequisite: C.S. 220, one year of college mathematics.

Introduction to Operations Research. The history and development of OR. Topics include linear programming, duality theory, network flow theory including an introduction to PERT, dynamic programming, game theory, Markov analysis, and simulation.

431. *Operations Research II*. Second semester; lectures three hours; three credits. Prerequisite: C.S. 430, minimum of one semester of calculus.

Advanced techniques in Operations Research. Topics include probability, statistical inference, decision theory, queuing theory and its applications, inventory theory, Markov chains, duality theory, non-linear programming, and classical optimization.

440. *Information Systems Design*. Second semester; lectures three hours; three credits. Prerequisite: C.S. 220, C.S. 240, or permission of the instructor.

Introduction to the concepts and techniques of designing information systems. Data base organization and processing techniques, on-line systems, hardware and software requirements relating to information retrieval and data display. Student teams will design information systems for a hypothetical company.

495. *Advanced Topics*. Any semester; lectures three hours; three credits. Prerequisites: C.S. 330 and C.S. 340, or consent of the instructor. A maximum of 6 credits may be offered toward satisfying a degree requirement.

Advanced computer science topics such as Operating Systems Principles and Design, and Compiler Construction Techniques.

Cooperative Distribution—see Retailing

Economics

Unless otherwise specified, the prerequisite for all 300 and 400 level courses listed below is successful completion of Economics 201-202.

201-202. *Principles of Economics*. Continuous course; lectures three hours; three credits each semester.

Students will analyze principles underlying economic organization and functioning. Analysis will include introduction to classical, neo-classical, and modern economic theory with added exposure to distribution and value theory. The economics of the firm will also be considered. First semester macro economics; second semester micro economics.

203. *Economic Geography and World Resources*. Both semesters; lectures three hours; three credits. No prerequisite.

Study of the nature, distribution, use, and conservation of the world's agricultural, forest, marine, and mineral resources. Stress is placed upon the inter-relatedness of physical, cultural, and political factors, with man as user and manager. (Same as Geography 203.)

301. *Money and Banking*. First semester; lecture and discussion three hours; three credits. Prerequisite: Economics 201 or consent of instructor.

This course examines the nature and functions of money and credit, the commercial banking system, the Federal Reserve System, the quantity theory of money, the theory of income determination, the balance of payments and exchange rates, and the history of monetary policy in the United States.

302. *Public Finance*. Second semester; lecture and discussion three hours; three credits.

The nature and application of the fundamental principles which apply to the obtaining, managing, and disbursing of the funds necessary for the performance of governmental functions at the local, state, and federal levels. The American tax system is given detailed consideration. (Same as Political Science 302.)

303-304. *Intermediate Economics Analysis*. Continuous course; lecture and discussion three hours; three credits each semester.

The first semester deals with microeconomic theory as related to consumer behavior and demand, production and cost, market organization, distribution theory, and welfare economics. The second semester concentrates on the macroeconomic theory of income distribution, national income analysis, and current problems.

351. *Urban Development Economics*. Second semester; lectures three hours; three credits. Prerequisite: Economics 201-202.

The theories, problems and policies of urban and regional economic development, with emphasis on metropolitan finance, local government organization, economic base, location theory, and manpower utilization. The application of economic theory toward a solution of the urban problems of unemployment, education and training, welfare, housing, health, and transportation.

420. *Business Cycles, Forecasting, and Stabilization Policy*. Second semester; lecture and discussion three hours; three credits.

A study of the cyclical fluctuations in the U.S. economy, with particular stress upon their history, causes, techniques for forecasting, and proposed methods of stabilization. An analysis of the uses of monetary and fiscal devices and their impact on income, employment, and prices.

432, 433. *Economic History*. Lectures three hours; three credits each semester. Prerequisites: History 201-202, or consent of instructor.

A study of America's economic growth and development up to present day. Second semester begins with the late nineteenth century. (Same as History 432, 433.)

451. *The Economics of Labor and Collective Bargaining*. First semester; lecture and discussion three hours; three credits.

A study of the labor force, the demand for and supply of labor, wage determination, the procedures, agencies, legal framework, and major issues involved in labor-management relations. Attention is also given to the problems of negotiating and implementing a collective bargaining agreement.

470. *International Trade and Finance*. Second semester; lecture and discussion three hours; three credits.

An analysis of the development of international trade theory from the thirteenth century to the present. A study of balance of payments equilibrium, foreign exchange, and international finance and especially international economic developments since World War II.

490. *Managerial Economics*. Both semesters; lecture and discussion three hours; three credits. Prerequisite: Business 201-202.

Economic analysis of economic problems of particular importance for business firms. Emphasis on discovering policy criteria, identifying alternatives, and the selection and use of economic, financial, and management information in decision theory.

495. *Business, Accounting, and Economics Topics*. Both semesters; one to three hours seminar or independent research, one to three credits. Prerequisite: Declared major in Business and permission of the instructor.

Topical seminars in Business, Accounting, and Economics to cover a variety of areas; taxation, income and demand analysis, comparative systems, financial analysis, management accounting and economic thought, and methodology. (Same as Business 495.)

Education

Christopher Newport College offers courses which will fulfill the requirements for the Collegiate Professional Certificate in secondary education.

Currently students at Christopher Newport College may be endorsed to teach in the following subject areas:

Biology; English; English and (Speech, Journalism, or Dramatics); French; General Science; Government; History; History and Social Science (In addition to history courses, this endorsement requires twelve credits of political science, six of economics, and six of geography); Mathematics; Physical Education; Psychology (Because of the lack of student-teaching opportunities in this field, students majoring in psychology should also meet certification requirements in another teaching field); Sociology (Because of the lack of student-teaching opportunities in this field, students majoring in sociology should also meet certification requirements in another teaching field); Spanish. As the College expands its offerings, other areas will be added.

State Certification Regulations for Teachers in Virginia

General Requirements

An applicant must possess a baccalaureate degree with a background of 48 hours in general education, including a minimum of

- A. Humanities—12 semester hours
English composition (required) and the balance from any of the following fields: foreign language, literature, speech, fine arts, music, and philosophy.

- B. Social Science—12 semester hours
American history (required) and the balance from any of the following fields: history, anthropology, sociology, economics, political science, geography, and psychology.
- C. Laboratory Science and Mathematics—12 semester hours (at least one course in each area)
- D. Health and Physical Education—4 semester hours or equivalent (at least one course in each area, including P.E. 321).

It is recommended that all teachers take a course in speech and one in basic economics to satisfy in part the general education requirements.

Professional Requirements for Secondary Education

This program meets the professional education requirements for certification in secondary education.

	Semester Credits
Psychology 307, <i>Developmental Psychology</i> or Psychology 309, <i>Psychology of Adolescence</i>	3
Education (Psychology) 312, <i>Educational Psychology</i> ...	3
Education 303, <i>Instructional Materials and Methods</i>	3
(Should be taken the semester prior to student teaching)	
Education 341, <i>Cultural Foundations of Education</i>	3
(Should be taken the second semester of the sophomore year or the first semester of the junior year)	
During one semester of the senior year, the student will complete:	
Education 401, <i>Supervised Teaching</i>	6
Education 403, <i>Methods of Teaching in the Secondary School</i> (Subject area)	3
Education 414, <i>Educational Measurements and Evaluation</i>	3

Admission and Preregistration Procedures for Student Teaching

The student teaching block of twelve semester hours (Education 401, 403 and 414) is offered in the senior year. Students must register for the entire student teaching block and are permitted to carry one additional course which is scheduled to meet in the evening.

Students who wish to student teach must meet the following criteria for admission to the program:

1. a quality-point average of at least 2.0 (4.0 scale) earned in courses completed prior to the semester of student teaching.

2. a grade of not less than C in each prerequisite course: Education 303, Education 341, Psychology 312, and Psychology 307 or 309,
3. a planned program of courses designed to earn the Collegiate Professional Certificate to teach in the subject field in which student teaching is to be completed, and
4. personal qualities which are necessary for successful teaching as indicated by a personal interview.

Students must preregister for student teaching to allow sufficient time for making necessary arrangements with the cooperating school divisions: Hampton, Newport News, and York County. Preregistration should be completed individually with the Director of Student Teaching prior to March 1 for the subsequent year.

303. *Instructional Materials and Methods*. Both semesters; lectures three hours, three credits. Prerequisite: Communications 201, Education 341, Education 312 (Psychology 312) or Psychology 307 or 309, and fifteen semester credits in the subject of teaching choice, or consent of the instructor.

An introductory course in the organization of instruction, focusing on the application of basic concepts, skills, materials, and media. Special emphasis will be placed on teaching aids production techniques.

312. *Educational Psychology*. Both semesters; lectures three hours; three credits. Prerequisite: Psychology 201. (Same as Psychology 312.)

341. *Cultural Foundations of Education*. Both semesters; lectures two hours; laboratory three hours; three credits.

A course designed to aid the prospective teacher in attaining depth of perspective in the theory of education. The course deals with the development of educational traditions; philosophical constructs underlying American practices of education; and the analysis of contemporary problems in light of historical, sociological, and philosophical backgrounds. Directed observation in schools is required.

395. *Elementary Topics*. Both semesters; lectures one to three hours; one to three credits. Prerequisite: Consent of the instructor. A maximum of 6 credits may be offered toward satisfying degree requirements.

A variety of topical courses in education not included in the regular curriculum will be offered to satisfy changing needs and special interests of students. Offerings will vary from year to year.

401. *Supervised Teaching*: (S) *Secondary*; (N) *NK-3*; (E) *4-7*; (P) *Health and Physical Education*. Both semesters; six credits. Prerequisite: Education 303.

403. *Methods of Teaching in the Secondary School*: (E) *English*. First semester; (M) *Mathematics*. First Semester; (S) *Science*. First

Semester; (L) *Modern Language*. Second Semester; (H) *History and Social Sciences*. Second Semester. Lectures three hours; three credits. Prerequisite: Education 303.

A study of the objectives, content, methods of instruction and research data in the respective teaching fields. The course deals with the problems of selecting and organizing content. Curriculum projects in each teaching field will be analyzed.

414. *Educational Measurements and Evaluation*: (S) *Secondary*; (N) *NK-3*; (E) *4-7*; (P) *Health and Physical Education*. Both semesters; lectures three hours; three credits. Prerequisite: Education 303.

A course dealing with the identification and definition of instructional objectives in behavioral terms, constructing and selecting measuring and evaluative instruments to appraise these objectives and interpreting the results obtained in a meaningful way. Emphasis is placed on the construction of teacher-made tests and the interpretation of standardized tests.

495. *Advanced Topics*. Both semesters; lectures one to three hours; one to three credits. Prerequisite: Consent of the instructor. A maximum of 6 credits may be offered toward satisfying degree requirements.

A variety of topical courses in education not included in the regular curriculum will be offered to satisfy changing needs and special interests of students. Offerings will vary from year to year.

Elementary Education

320. *Developmental Reading*. Lectures three hours; three credits. Prerequisite: Psychology 308.

A basic course in the teaching of reading in the elementary school. Emphasis is placed on pre-reading readiness, reading readiness, word recognition and analysis, vocabulary development, comprehension, critical reading, interpretive oral reading, adaptive rates of reading, study skills, and skills needed for reading in content fields.

325. *Children's Literature*. Lectures three hours, three credits. Prerequisite: English 101-102.

A course dealing with the study of reading interests of children from the pre-school years through the elementary grades, criteria for evaluation, analysis and selection of children's books, the history of and the trends in publication of literature for children, the literature for children, and the use of children's literature in the classroom.

330. *Mathematics in the Elementary School*. Lectures three hours; three credits. Prerequisite: Math 110-120 or equivalent.

A course designed to emphasize appropriate content, methods, and instructional materials for teaching mathematics in the elementary school. Current trends in the teaching of mathematics and a critical analysis of recent curriculum projects will be included.

332. *Science in the Elementary School*. Lectures three hours; three credits. Prerequisite: Satisfactory completion of a two semester laboratory science course.

A course on the approach to science instruction for elementary children focused upon the methods, materials, and literature of biological and physical science. Emphasis will be placed on the development of teaching skills using inquiry techniques and the processes of science.

334. *Art in the Elementary School*. Lectures three hours; three credits. Prerequisite: Junior standing or consent of instructor.

A survey of the aims and philosophy of art education in the elementary school with emphasis on child growth and development through art. Direct experience with the techniques, materials, and processes of art adapted to the needs of children from nursery school through grade seven with emphasis on appropriate motivational and teaching methods.

336. *Music in the Elementary School*. Lectures three hours; three credits. Prerequisite: Junior standing or consent of instructor.

A study of the principles, techniques, materials and methods used in music programs in the elementary grades with emphasis on an integrated approach to the elements of music including singing, use of instruments, listening, reading music, and rhythmic activities.

405. *Curriculum Organization and Instructional Procedures*: (N) NK-3; (E) 4-7. Lectures three hours; three credits. Prerequisite: Psychology 308.

A study of the curriculum, appropriate methods and activities through which children may learn, media, and materials as tools for the implementation of learning experiences, and teaching aids production techniques as they apply respectively to the NK-3 pattern or to the 4-7 pattern.

406. *Curriculum Organization and Instructional Procedures*: (N) NK-3; (E) 4-7; (1) *Language Arts*; (2) *Social Studies*. Lectures three hours; three credits. Prerequisite: Psychology 308.

This course focuses on the basic concepts, skills, teaching techniques, and instructional materials as they apply respectively to the NK-3 pattern or to the 4-7 pattern with emphasis on the planning of appropriate learning experiences in the areas of (1) language arts and (2) social studies.

420. *Diagnostic Reading*. Lectures three hours; three credits. Prerequisite: Education 320.

A study of techniques for evaluation of reading progress, difficulties experienced by children in learning to read, diagnostic techniques for the classroom teacher, methods of differentiation of instruction, and corrective classroom methods.

English Language and Literature

Students who have had an unusually excellent background in literature and writing either in school or in life experiences may be able to arrange for advanced placement in English so as to be excused from English 101-102 or at least from English 101.

The Department of English provides three different methods by which individual students may seek advanced placement: (1) through the CLEP testing program, details of which can be learned through

the Christopher Newport College Counseling Office; (2) through the successful completion of Advanced Placement English in senior high school and the earning of an adequate score on the Advanced Placement Examination of the College Entrance Examination Board; or (3) through the earning of an outstanding record of A's and B's in a college-bound English section all the way through senior high school and of a College Board Verbal Score of approximately 600 or above. In the third case, students voluntarily submit to an advanced placement test given by the department of English at Christopher Newport College, and the Chairman's Advisory Committee scores the test and decides upon advanced placement.

Through these programs students who are really interested in literature and who write on the college level may move immediately into the exciting options provided in the humanities programs on the sophomore level at Christopher Newport College.

A concentration in English requires satisfactory completion of English 101-102¹ and continued competence thereafter in written and oral expression, one six-hour sequence of the sophomore-level courses (201, 202, or 205, 206, the latter recommended to those who have not had a world literature course in high school); and at least 30 but not more than 42 further credits in courses above the 200-level in this department, with not more than 6 credits in writing courses above the sophomore level. The student majoring in English is required to take six semester hours of *Shakespeare* (421, 422) or three semester hours of *Shakespeare* and three semester hours of either *Chaucer* (401) or *Milton* (426). English 496, *Senior Seminar*, is required of all majors; either 430 or 433 is required for those who plan to teach English in the Virginia secondary schools. *Shakespeare* and the *Senior Seminar* will be offered every year; all other upper-level courses will be offered every other year except when emergency situations prevent such repetition.

A balanced program that takes into account the student's abilities and career objectives will be worked out with the department adviser, assigned when the student declares his intention to major in English, usually towards the end of the sophomore year. Supporting courses, including history, fine arts, modern and ancient languages, philosophy, and speech, will be recommended by the adviser.

¹ Superior students, upon application to the chairman of the English Department and at the discretion of the department, may be allowed advanced placement and, in some cases, credit for 101-102. A student who gets B or better in 101 may be allowed with the permission of the instructors and the Dean of Academic Affairs to take 102 and 201 (or 205 or 207) simultaneously. English majors may take English 205, 206 as Humanities 205, 206 and count both it and English 201, 202 as part of the 120 academic hours required for graduation.

The prerequisite for sophomore literature courses (201, 202, 205, 206, 207, 208) is the successful completion of English 101-102.

Unless otherwise stated, the prerequisite for all three-hundred and four-hundred-level English courses is at least one semester of sophomore literature (201, 202, 205, 206, 207, or 208) or junior standing and the consent of the instructor teaching the advanced English course.

101-102. *Composition, Rhetoric, and Literature*. Continuous course; lectures three hours; three credits each semester.

A study of the basic principles of composition and rhetoric on the college level and an introduction to the major literary forms, with frequent themes arising from this study. Required of all students unless exempted by the English Department. No student may take English 102 unless he has passed or earned credit for English 101.

201, 202. *English Literature*. Lectures three hours; three credits each semester.

A survey of English literature, emphasizing the major writers and the dominant literary trends; first semester from Beowulf through Boswell and Johnson; second semester from Burns to the present.

205, 206. *Genres in Western World Literature*. Lectures three hours; three credits each semester.

A study of literary masterpieces of the Western world from classical to modern times with special emphasis on literary perspectives: epic, romantic, satiric, tragic, comic, and ironic. All study will be based on English translations. (Equivalent to Humanities 205, 206.)

207, 208. *Literature and Ideas*. Lectures three hours; three credits each semester.

A study of literature as it interprets man's understanding of himself and society. Focuses on ideas of recurring interest, such as love, justice, and nature.

Especially recommended for non-English majors as their humanities distribution requirement.

301. *English Literature of the Sixteenth Century*. First semester; lectures three hours; three credits.

A critical and historical study of the major prose, poetry, and drama of the sixteenth century, exclusive of Shakespeare.

302. *English Literature of the Earlier Seventeenth Century*. Second semester; lectures three hours; three credits.

A critical and historical study of the major prose, poetry, and drama produced in England between 1600 and 1660, exclusive of Shakespeare and Milton.

303. *English Literature of the Restoration and Earlier Eighteenth Century*. First semester; lectures three hours; three credits.

A critical and historical study of the major works of the Age of Dryden (exclusive of Milton) and the Age of Pope.

304. *English Literature of the Later Eighteenth Century*. Second semester; lectures three hours; three credits.

A critical and historical study of the prose, poetry, and drama created in England between 1740 and 1798, with some emphasis on the novel.

309. *English Literature of the Romantic Movement, I*. First semester; lectures three hours; three credits.

A critical and historical study of the major early Romantics (Blake, Burns, Wordsworth, and Coleridge) with attention also to the early Romantic novel, drama, and essay.

310. *English Literature of the Romantic Movement, II*. Second semester; lectures three hours; three credits.

A critical and historical study of the major later Romantics (Byron, Shelley, and Keats) with attention also to the later Romantic novel and essay.

321. *English Literature of the Victorian Age, I*. First semester; lectures three hours; three credits.

A critical and historical study of the drama, poetry, and prose (including the novel) produced in England from 1832-1858.

322. *English Literature of the Victorian Age, II*. Second semester; lectures three hours; three credits.

A critical and historical study of the drama, poetry, and prose (including the novel) produced in England between 1858 and 1901.

325. *English and American Poetry of the Twentieth Century*. First semester; lectures three hours; three credits.

A critical study of the major poetry produced in England and the United States from the beginning of the century till the recent past.

326. *Major World Fiction of the Twentieth Century*. Second semester; lectures three hours; three credits.

A critical study of the great fiction produced in countries of the Western World (including England and America) since the beginning of the century, with emphasis on the novel.

327. *Major Dramas of the Modern World*. First semester; lectures three hours; three credits.

A critical study of the great dramas produced in countries of the Western World (including England and America) from 1880 to the present.

341. *American Literature, I*. First semester; lectures three hours; three credits.

A critical and historical analysis of American writers from the beginning to Herman Melville.

342. *American Literature, II*. Second semester; lectures three hours; three credits.

A critical and historical analysis of American writers from Herman Melville to Edwin Arlington Robinson.

343. *Modern American Literature*. Either semester; lectures three hours; three credits.

A critical and historical analysis of American writers from Edwin Arlington Robinson to the recent past.

351. *Fiction Writing*. First semester; lectures three hours; three credits.

Intensive exercises in the writing of fiction, with emphasis on the short story. Attention to selected examples by contemporary authors. Manuscripts read and discussed in class. Individual conferences. Open to sophomores with the approval of the instructor. (Same as Communications 351.)

352. *Poetry Writing*. Second semester; lectures three hours; three credits.

Intensive exercises in the writing of poetry. Analysis of contemporary techniques. Manuscripts read and discussed in class. Individual conferences. Open to sophomores with the approval of the instructor. (Same as Communications 352.)

401. *Chaucer*. First semester; lectures three hours; three credits. A critical study of the works of Chaucer in the original Middle English with special emphasis on *The Canterbury Tales*.

421, 422. *Shakespeare*. Lectures three hours; three credits each semester. Either semester may be taken first.

A critical study of the major works of Shakespeare. Required of all English majors. (See introductory remarks to this section for totality of required courses.)

426. *Milton*. Second semester; lectures three hours; three credits. A critical study of the major works of Milton with special emphasis on *Paradise Lost*.

430. *Advanced English Grammar*. Second semester; lectures three hours; three credits.

A concentrated review of descriptive English grammar, with some emphasis on new trends in the subject.

431. *Structural History of the English Language*. First semester; lectures three hours; three credits.

An historical study of the development of the English Language.

433. *Advanced Rhetoric and Composition*. Second semester; lectures three hours; three credits.

Study of effective expository writing. Emphasis on contemporary styles. Individual conferences. Recommended for those who wish to write efficiently and for those who wish to teach composition. Open to juniors and seniors. (Same as Communications 433.)

495. *Special Topics in British and American Literature*. Both semesters; lectures three hours; three credits. Prerequisite: senior standing or consent of the instructor.

A seminar in major authors, literary concepts, or topics related to historical periods, with subject matter and instructor changing each semester. The seminar topic will represent both student interest and the specialty (or research in progress) of an individual member of the department. No student may enroll more than twice for credit.

496. *Senior Seminar*. Second semester; lectures three hours; three credits.

A seminar course concentrating on the in-depth study of British and American authors and requiring a major research paper on one author by each student. An oral examination in language and literature is given in connection with the Senior Seminar, and students must pass the examination in order to earn grades of A or B on the course. Required of all English majors.

Open only to English majors with senior standing.

Fine Arts

201-202. *Introduction to the Arts*. Continuous course; lectures three hours; three credits each semester.

The development of architecture, sculpture, and painting from the earliest times to the present day. Open to freshmen with the permission of the instructor.

218. *Basic Design*. Both semesters; lectures two hours, studio four hours; three credits.

A basic foundation course providing the elementary skills, concepts, and language of two- and three-dimensional design as related to communications and visual arts.

(Same as Communications 218.)

351. *Applied Aesthetics: Beauty in Urban Design*. Both semesters; lectures three hours; three credits.

Theories regarding the essential character of beauty in urban planning, tests by which it may be judged, and its relation to the human mind. Specific consideration of urban components from street lights to civic centers; urban landscaping, renewal, and the preservation of buildings; legislation designed to effect aesthetically pleasing environments. (Same as Humanities 351.)

Geography

101. *Introduction to Geography*. Both semesters; lectures three hours; three credits.

An introductory course to acquaint the student with geography as a discipline. The interrelatedness of physical and cultural aspects familiarizes the student with the earth as the home of man. Extensive use of maps and other geographic tools provides skill not only for advanced studies, but also for everyday use.

203. *Economic Geography and World Resources*. Both semesters; lectures three hours; three credits.

Study of the nature, distribution, use and conservation of the world's agricultural, forest, marine, and mineral resources. Stress is placed upon the interrelatedness of physical, cultural and political factors, with man as user and manager. (Same as Economics 203.)

351. *Urban Geography*. Second semester; lectures three hours; three credits.

An analysis and evaluation of urban settlement and development, from cradle area to modern metropolitan region. City locations, their size and shape, are investigated in relation to man, economic, political, and strategic factors.

395. *Topics in Geography*. Both semesters; three hours lecture and seminar; three credits.

Topical seminar in political geography, Virginia geography, other regional geographies, and development of geographic thought and methods.

History

For a Bachelor of Arts Degree with a major in History a minimum of twenty-four hours in history above the 200-level including three hours of a senior seminar is required. In addition, six hours in a related social science or psychology are required.

History 101, 102 (*History of Western Civilization*), History 201, 202 (*American History*), History 395 (*Topics*), and History 490 (*Senior Seminar*) are offered every year. All other history courses are normally offered every other year. Please consult the class schedules for the sequence of courses to be offered each year.

A maximum of 9 semester hours in History 395 (*Topics*) may be offered toward completion of major requirements.

European History

The prerequisite for all 300-400-level European History courses is successful completion of History 101, 102, or junior standing, or the consent of the instructor.

101. *History of Western Civilization to 1715*. Lectures three hours; three credits.

A survey of the heritage of Western man. Beginning with the traditions of the ancient Near East, Greece, and Rome, the course focuses on the major political, social, cultural, and intellectual development of Western civilization to 1715.

102. *History of Western Civilization, 1715 to the Present*. Lectures three hours; three credits.

A survey of the major political, social, cultural, and intellectual developments of Western civilization from 1715 to the present.

301, 302. *The Ancient World*. Lectures three hours; three credits each semester.

First semester begins with the origin and nature of the great civilizations of the Near East and closes with the empire of Alexander the Great. Second semester begins with the early history of Italy and ends with the fall of the Roman Empire. (Same as Classical Civilization 301, 302.)

307, 308. *Medieval History*. Lectures three hours; three credits each semester.

A study of the history and civilization of the medieval world from the fall of Rome to the dawn of the Renaissance.

313. *The Renaissance*. Lectures three hours; three credits.

A study of the Renaissance in Italy and in northern Europe mainly as an intellectual development with emphasis on the culture as well as the politics of the period.

314. *The Reformation*. Lectures three hours; three credits.

A study of the background, history, and ideas of the Protestant Reformation, the Catholic Reformation, and the politico-religious wars to 1648.

315, 316. *Early Modern Europe, 1648-1815*. Lectures three hours; three credits each semester.

First semester focuses upon the development of absolutism and constitutionalism, the scientific revolution, and the impact of political and scientific development on social and cultural patterns of 17th and 18th century European society.

Second semester focuses on the 18th century enlightenment, and on the era of the French Revolution and Napoleon.

317. *Nineteenth Century Europe*. Lectures three hours; three credits.

A history of Europe from the Congress of Vienna to 1870.

318. *The Era of World War I*. Lectures three hours; three credits.

A history of Europe from 1870 through the peace conferences of 1919.

319. *History of Europe from 1919 to the Present*. Lectures three hours; three credits.

Europe between the wars, the background of World War II, the war and its aftermath, and the crises of the contemporary world.

395. *Topics in History*. Lectures three hours; three credits.

An in-depth analysis of a particular phase, movement, or subject area of history with emphasis on its impact upon the larger historical scene. Topics and instructors vary each semester according to departmental assignment.

410, 411. *Russian History*. Lectures three hours; three credits each semester.

First semester begins with the formation of the Russian State in the city of Kiev and ends with the unification of Russia under the leadership of Moscow through Peter the Great.

Second semester deals with Catherine, the 19th century, the Russian Revolution, and the Soviet Union under the Communists.

412, 413. *England Under the Tudors and Stuarts*. Lectures three hours; three credits each semester.

A study of the War of the Roses, emergence of the Tudor Monarchy, Elizabethan Age, Stuart Monarchs, Puritan Revolution, Cromwell, Restoration, and the Glorious Revolution of 1688, and the last of the Stuarts.

Second semester begins with the Stuarts.

415, 416. *History of Modern Britain, 1714 to the Present*. Lectures three hours; three credits each semester.

A study of British history, politics, culture, and empire from the Hanoverians to the present.

Second semester begins with the accession of Queen Victoria.

421, 422. *Intellectual History of Europe*. Lectures three hours; three credits each semester.

An in depth historical analysis of European political, social, religious, and scientific thought from 1600 to the present. The course will focus primarily on the interactions of ideas and the social reality from which they emerged.

United States History

The prerequisite for all 300-400-level United States History courses is successful completion of History 201, 202, or junior standing, or the consent of the instructor.

201. *American History*. First semester; lectures three hours; three credits. Prerequisite: Sophomore standing or consent of the instructor.

The Colonial Period through the Civil War. Emphasis on period since 1776.

202. *American History*. Second semester; lectures three hours; three credits. Prerequisite: Sophomore standing or consent of the instructor.

Development of United States since 1865.

320. *Colonial America*. Lectures three hours; three credits.

A study of the origins and development of the American colonies, some analysis of Puritanism, the introduction of slavery, and provincial developments.

321. *The Revolutionary, Constitutional, and Federalist Eras, 1763-1800*. Lectures three hours; three credits.

A study of the backgrounds of the American Revolution, the Revolution, the Confederation, the Constitution, and an analysis of the new government as administered by the Federalists.

322. *The Early National Period, 1800-1840*. Lectures three hours; three credits.

An analysis of the Jeffersonian and Jacksonian eras.

323. *Civil War and Reconstruction, 1837-1877*. Lectures three hours; three credits.

An intensive study of slavery and expansion, social and intellectual developments of the era, the Civil War and Reconstruction.

324. *Industrial America, 1877-1919*. Lectures three hours; three credits.

A study of the impact of industrialization, urbanization, and immigration on American society, the thrust of the United States beyond its border, and the political, intellectual, and social response to these forces.

325. *Recent America, 1919 to the Present*. Lectures three hours; three credits.

The United States since World War I with emphasis on internal problems (e.g., economic and racial) and an analysis of the role of the United States as a world leader.

395. *Topics in History*. Lectures three hours; three credits.

An in-depth analysis of a particular phase, movement, or subject area of history with emphasis on its impact upon the larger historical scene. Topics and instructors vary each semester according to departmental assignment.

430, 431. *Diplomatic History of the United States*. Lectures three hours; three credits each semester.

An examination of United States relations with the rest of the world since independence. Second semester begins with the early 20th century and continues down to the present.

432, 433. *Economic History of the United States*. Lectures three hours; three credits each semester.

A study of America's economic growth and development up to the present day. Second semester begins with the late 19th century. (Same as Economics 432, 433.)

434. *Urban History of the United States*. Lectures three hours; three credits.

A study of the political, economic, social, and intellectual impact of the city upon American history from the seventeenth to the twentieth century. (Formerly numbered History 335.)

435. *Maritime and Naval History*. Lectures three hours; three credits.

A survey of the maritime development of the United States and its relationship to the Western world from the founding of the colonies to the present time. Emphasis will be placed upon the growth of American merchant shipping and naval power and their relationships to American political, military, economic, and cultural history.

436, 437. *American Social-Intellectual History*. Lectures three hours; three credits.

The course will cover the transition from the agricultural, deferential, aristocratic, colonial American society to the industrial, urban, democratic, modern American society through an historical development of the American social structure relying also on changes in social attitudes and intellectual comment on those societal changes.

Latin American History

450, 451. *Introduction to Latin American History and Culture*. Lectures three hours; three credits each semester. Prerequisite: History 101, 102 or consent of instructor.

The first semester begins with a study of conquest and colonization of Latin America by Spain and Portugal. The second semester stresses the establishment of these nations as political entities and their relationship to Europe and the United States up to the present.

452, 453. *Latin American Independence Movements*. Lectures three hours; three credits each semester. Prerequisite: Junior standing or consent of instructor.

Causes, progress, and results of independence movements which created Latin American Republics, and the problems which are related to the experiences of the colonial and independence periods.

Asian History

460, 461. *History of Asia*. Lectures three hours; three credits each semester. Prerequisite: History 101, 102 or consent of instructor.

First semester focuses on role of Chinese civilization in Asia. Second semester begins with the opening of Asia to Western influences in the nineteenth century, and concludes with the modernization of Asia and birth of Asian Communism.

Contemporary World

341. *The Contemporary World*. Lectures three hours; three credits. Prerequisites: History 101, 102, or History 201, 202, or consent of the instructor.

An historical analysis of world developments since World War II, with particular emphasis on the development of ideological and racial tensions; intended to place the major concerns of the present in their proper historical perspective.

Seminar

490. *Senior Seminar*. Three credits. Prerequisite: Six hours of history above the 200 level, or consent of the instructor. Required of all students who declare as history majors after February 1, 1971.

A seminar dealing with selected problems in history and an examination of historiography, methodology, and philosophy of history. The focus, form, and content of each seminar will be determined by the instructor. The nature of the seminar will be announced well in advance after consideration of student interest and staff availability.

Humanities

205, 206. *Genres in Western World Literature*. Lectures three hours; three credits each semester.

A study of literary masterpieces of the Western world from classical to modern times with special emphasis on literary perspectives: epic, romantic, satiric, tragic, comic, and ironic. All study will be based on English translations. (Same as English 205, 206.)

351. *Applied Aesthetics: Beauty in Urban Design*. Both semesters; lectures three hours; three credits.

Theories regarding the essential character of beauty in urban planning, tests by which it may be judged, and its relation to the human mind. Specific considerations of urban components from street lights to civic centers; urban landscaping, renewal, and the preservation of buildings; legislation designed to effect aesthetically pleasing environments. (Same as Fine Arts 351.)

Mathematics

The prospective mathematics student must have a mathematics placement test, conducted by the College, upon entrance.

To satisfy the distribution requirement of six hours of mathematics, a student must complete satisfactorily two of the following courses: 110, 120, 130, 220, or just 230.

A concentration in mathematics requires satisfactory completion of Mathematics 310, 340, and 410 and at least fifteen additional credits

in courses above the 200 level in this department.* Moreover, a mathematics major must satisfy one of the three Plans listed below. The Plans are:

- Three 300 or 400 level courses in mathematics in addition to the basic 24 credits stated above.
- A Collegiate Professional Certificate in secondary teaching of mathematics.
- Three 300 or 400 level courses in another discipline chosen by the student in consultation with his adviser.

001. *College Preparatory Mathematics*. Lectures three hours; three continuing education units; no degree credit. No prerequisite.

Covers basic rules of arithmetic as applied to algebra, signed numbers, grouping symbols, factoring, linear equations, systems of equations, elementary fractional equations, exponents and radicals, introduction to progressions, sets and set operations, ratio, proportion, and percent.

110. *College Algebra*. Both semesters. Lectures three hours; three credits. Prerequisite: one unit of high school algebra or the equivalent.

Covers a brief treatment of real numbers, algebraic operations, linear equations, polynomials and their graphs, logarithmic and exponential functions, matrices, and determinants.

120. *Finite Mathematics*. Both semesters. Lectures three hours; three credits. Prerequisite: one unit of high school algebra, acceptable score on placement test, or Math 110. A mathematics course for the non-science student; suitable for social scientists and business students.

Topics include logic, sets, trees, combinatorics, permutations, partitions, elementary probability, finite sample spaces, Markov chains, matrix games, graphs, and digraphs.

130. *Elementary Functions and Analytic Geometry*. Both semesters. Lectures three hours; three credits. Prerequisite: two and a half years of high school mathematics; acceptable score on placement test or Math 110.

A one semester course designed for the student planning to take calculus, but who has little or no knowledge of analytic geometry, trigonometry, and functions. Real numbers, inequalities, analytic geometry, linear and quadratic functions, polynomials and rational functions, trigonometric functions, trigonometric identities, and exponential and logarithmic functions.

220. *Elementary Statistics*. Both semesters; lectures three hours; three credits. Prerequisite: one semester of college mathematics. For social scientists and business students.

* Courses at the 100 and 200 level do not count among the hours counted in the major requirement. Hence, a student may present up to 42 hours in 300 and 400 level courses for a mathematics major. Note that only 24 are generally required.

Basic methods of statistics with emphasis on applications, computational methods, and probability. Includes instruction in the use of desk calculators. (Same as Psychology 231.)

230. Calculus and Analytic Geometry. Both semesters. Lectures four hours; four credits. Prerequisite: three and a half years of high school mathematics; Math 130; or acceptable score on placement test.

An intuitive introduction to the calculus of elementary functions. Analytic geometry, functions, continuity, derivatives, methods of differentiation, the Mean Value Theorem, curve sketching, applications of the derivative, the definite integral, the Fundamental Theorems of Calculus, indefinite integrals, logarithmic and exponential functions, some techniques of integration, applications of the integral.

240. Intermediate Calculus. Both semesters. Lectures three hours; three credits. Prerequisite: Math 230 or acceptable score on placement test.

A rigorous treatment of limits, derivatives, and integrals. Sequences, series, and the differential geometry of curves.

245-246. Mathematics for Teachers. See Education 330.

310. Linear Algebra. Both semesters. Lectures three hours; three credits. Prerequisite: Math 230 or consent of the instructor.

Vector spaces over the real or complex field, linear independence, linear equations, bases and dimension, inner product spaces, linear transformations and matrices, determinants.

320. Ordinary Differential Equations. Fall semester. Lectures three hours; three credits. Prerequisite: Math 240 (although Math 310 and Math 330 are not required, they are highly recommended).

An exposition of the theory and methods of solution of elementary differential equations along with applications. Topics include: series solutions of second order linear equations, Laplace transforms, systems of first order equations, numerical methods, an introduction to Sturm-Liouville theory.

330. Multivariable Calculus. Lectures three hours; three credits. Prerequisite: Math 240 or 230 with the consent of the instructor; co-requisite: Math 310.

An introductory, intuitive approach to the geometry of 3-space, partial derivatives, multiple integrals, applications of both, and differential equations.

340. Advanced Calculus. Lectures three hours; three credits. Prerequisite: Math 240 and 310; Math 330 is highly recommended.

Vectors, vector differential calculus, vector integral calculus in two and three dimensions, Green's, Stokes', and the Divergence Theorems, line and surface integrals.

360. Topics in Advanced Calculus. Lectures three hours; three credits. Prerequisite: Math 340.

A one semester course covering various topics in Advanced Calculus and Elementary Analysis. While the content of the course may vary from year to year, it is expected that it consist of some of the following topics: The real

numbers, functions of bounded variation, Riemann-Stieltjes integration, sequences of functions, series of functions, Taylor series, Fourier series, uniform convergence, improper integrals, and differential geometry.

395. Elementary Topics. Both semesters. Lectures three hours; three credits. Prerequisite: permission of the instructor and/or the chairman of the department, unless otherwise listed.

This course will usually consist of one of these topics: geometry, graph theory, lattice theory, logic, number theory, numerical analysis, partial differential equations, probability, set theory, or statistics. The exact course to be offered in any one semester and a description of the course will be found in the preregistration schedule for that semester.

410. Abstract Algebra. Lectures three hours; three credits. Prerequisite: Math 310.

An introduction to algebraic structures; elementary number theory, groups, rings, homomorphism theorems, quotient structures, polynomial rings, fields.

495. Advanced Topics. Both semesters. Lectures three hours; three credits. Prerequisite: permission of the instructor and/or the chairman of the department, unless otherwise listed.

This course will usually consist of one of these topics: advanced differential equations, complex analysis, Galois theory, group representation theory, partial differential equations and potential theory, real analysis, ring theory, or topology. The exact course to be offered in any one semester and a description of the course will be found in the preregistration schedule for that semester.

Military Science Army

Available by arrangement with the Department of Military Science of the College of William and Mary, and offered on the Williamsburg campus.

Draft Deferments (1D) are available for ROTC students who have completed one semester of college.

Students may refer to the current catalogue from the College of William and Mary for more detailed information about the Reserve Officers' Training Corps.

101-102. Military Science I. Both semesters; lectures one hour, two hours leadership and management laboratory; one credit each semester.

Introduction and orientation to military terminology, concepts, leadership and management principles.

200. American Military Development. Second semester; lectures three hours, two hours leadership and management laboratory; three credits.

An analysis of American Military History. The course begins with the Seven-Years War and traces American military history to the present. Emphasis is given to the principles of war and to the development of tactics.

201-202. *Military Science II*. Both semesters; lectures two hours, two hours leadership and management laboratory; two credits each semester. Prerequisite: MS 101-102.

A study of map and aerial photograph interpretation with primary attention given to the principles of military terrain evaluation and land navigation; the basic concepts of military operations and tactics.

300. *American Civil-Military Relations*. Second semester; lectures three hours, two hours leadership and management laboratory; three credits.

Theory of civil-military relations and their impact on the contemporary world scene. Emphasis is placed on the extent to which these relations tend to affect the military security of society. Case studies of historical and contemporary military leadership and management are examined.

*301-302. *Military Science III*. Both semesters. First semester, lectures one hour, two hours leadership and management laboratory; one credit. Second semester, lectures three hours, two hours leadership and management laboratory; three credits.

A study of management and control of small unit operations under field conditions with special emphasis given to offensive/defensive tactics, communications, and internal defense and development. Fundamentals of military instruction are taught with emphasis on practical application. Physical fitness and review of previous subjects are stressed in preparation for summer camp.

401-402. *Military Science IV*. Both semesters. First semester, lectures three hours, two hours leadership and management laboratory; three credits. Second semester, lectures one hour, two hours leadership and management laboratory; one credit.

Analysis of selected leadership and management problems involved in administration, military justice, and tactics; leadership and management problems in the military services.

Modern Languages

Students who enter Christopher Newport College with two or more units of a modern language and who wish to continue in the same language must take a placement examination in that language

* Credit for MS 101, 102, 201 and 202 (Basic Course) is prerequisite—along with other requirements. In addition to MS 101, 302, 401 and 402 advanced ROTC students are required to take six semester credits which are not part of the normal requirement of their major field. These credits are to be selected in coordination with the Professor of Military Science and will be within the following general areas: Science comprehension, general psychology, effective communication, and political institutions.

For those students desiring to participate, there is a 2-year program available beginning with the summer prior to the junior year and extending through completion of the senior year. Details available at the office of the Department of Military Science.

and shall enter the level of the language determined by the department. Any recent high school graduate who has had two or more units of a language in high school will not be allowed to take for credit the 101 level of that language. He may, however, elect to begin a different modern language or Latin.

Students may be considered to have satisfied the foreign language requirement by (1) completion of the 202 level of any given language, (2) a score of 560 or above on the Achievement Test in the respective foreign language administered by the College Entrance Examination Board, or (3) satisfactory performance on the departmental placement examination. The student who satisfies the requirement by examination will receive 10 hours credit. The student who places in the 202 level modern language course, upon satisfactory completion of that course, will be granted 7 semester hours credit. The student who places in the 201 level course will be granted 4 semester credits for the 102 level course upon his satisfactory completion of the 201-202 sequence.

Students whose native language is not English will not be accepted for credit in the elementary course (101-102) of their native language. Placement in a higher level course will be determined after a conference with the instructor and also after the results of a placement test have been evaluated.

French

The major in French requires a minimum of thirty semester hours, including the following courses: French 251, 252, 301, 361 and either 381 or 382 plus fifteen hours of electives in the department. A student preparing to earn a Collegiate Professional Certificate is required to include French 310. During practice teaching, the student will take the Materials and Methods course, 403L, which does not apply towards the major.

The department recommends that cognate courses in English, history, philosophy, music, and art be studied to support the major. The study of a second language is strongly recommended.

Unless otherwise specified, the prerequisite for all three-hundred and four-hundred level French courses is successful completion of French 251 or 252 or the consent of the instructor.

101-102. *Elementary French*. Continuous course; lectures four hours; four credits each semester.

An introduction to the French language, with emphasis on reading, writing, speaking, and listening comprehension.

103. *Accelerated Elementary French*. Both semesters; lectures three hours; three credits. Prerequisite: placement examination.

An accelerated review of French grammar. Structure and vocabulary-building exercises.

201. *Intermediate French*. Both semesters; lectures three hours; three credits. Prerequisite: French 101-102, or 103, or by placement examination.

A review of grammatical structure, with further development of reading, writing, speaking, and listening comprehension skills.

202. *Intermediate French*. Both semesters; lectures three hours; three credits. Prerequisite: French 201 or by placement examination.

Selected readings from the literature of the nineteenth and the twentieth centuries. Lectures, discussions, and reports. Conducted chiefly in French.

251, 252. *Introduction to French Literature*. Both semesters; lectures three hours; three credits each semester. Prerequisite: French 201-202 or the equivalent.

A survey of French literature, emphasizing the major writers and the dominant literary trends: first semester, from *La Chanson de Roland* to the end of the seventeenth century; second semester, from the eighteenth century to the present. Conducted chiefly in French.

301. *Grammar and Composition*. First semester; lectures three hours; three credits. Prerequisite: French 202 or the equivalent.

Review of main principles of syntax. Composition, translation. Conducted chiefly in French. (Offered alternate years, beginning Fall 1974.)

302. *Conversation*. Second semester; lectures three hours; three credits. Prerequisite: French 202 or the equivalent.

The aim of this course is to develop greater fluency in speaking and writing idiomatic French. Phonetics; intensive oral-aural training. Conducted chiefly in French.

303. *Advanced Grammar and Composition*. First semester; lectures three hours; three credits. Prerequisite: French 202 or its equivalent.

Study of syntax and style through composition and translation. Conducted chiefly in French. (Offered alternate years beginning Fall 1973.)

310. *Practical French Phonetics*. First semester; lectures three hours; three credits. Prerequisite: French 202 or its equivalent.

An intensive study of pronunciation, rhythm, intonation, and the international phonetic alphabet designed to increase oral proficiency. (Offered alternate years, beginning Fall 1973.)

311. *French Civilization*. Second semester; lectures three hours; three credits. Prerequisite: French 201 or the equivalent.

A study of contemporary society and culture of France encompassing geography, history, art, music, and social customs.

361. *Seventeenth-Century French Drama*. First semester; lectures three hours; three credits.

Analysis of selected plays of Corneille, Molière and Racine. Lectures will be in French. (Offered alternate years, beginning Fall 1973.)

362. *Seventeenth-Century French Prose and Poetry*. Second semester; lectures three hours; three credits.

A critical study of representative prose writers and poets. Special emphasis on the baroque poets, Malherbe, Pascal, Descartes, La Fontaine, Boileau and other major writers of the period. Lectures will be in French. (Offered alternate years, beginning Spring 1975.)

371. *Eighteenth-Century French Literature*. First semester; lectures three hours; three credits.

Reading and analysis of the major works of the French Enlightenment. Developments in the novel and the theater of the period. (Offered alternate years, beginning Fall 1974.)

381. *Nineteenth-Century French Novel*. First semester; lectures three hours; three credits.

A critical and historical study of prose fiction in the nineteenth century emphasizing major literary movements as seen in the novels of Chateaubriand, Hugo, Balzac, Flaubert, Stendhal, and Zola. (Offered alternate years, beginning Fall 1974.)

382. *Nineteenth-Century French Poetry and Drama*. First semester; lectures three hours; three credits.

Major emphasis on the primary movements in nineteenth century poetry from Romanticism to Symbolism. Accompanying study of the same movements in the drama of the period, as seen in the works of Hugo, Lamartine, Vigny, Musset, Baudelaire, Verlaine, Mallarmé. (Offered alternate years, beginning Fall 1973.)

395. *Elementary Topics*. Both semesters; lectures three hours; three credits. Prerequisite: junior standing or consent of the instructor.

A seminar in major literary periods, or topics related to historical and cultural developments. Emphasis on research methods. No student may enroll more than twice for credit. (To be offered for the first time during the second semester of the 1974-1975 session.)

403L. *Materials and Methods of Teaching Modern Language in the Secondary School*. Second semester; lectures three hours; three credits. Prerequisite: Education 312 (Psychology), or Psychology 307, and 15 credits in French or Spanish above the 202 level.

A study of established methods of instruction, involving aural, oral, and audio-visual approaches, uses of instrumentation, test construction and evaluation and applied linguistics in the language teaching situation. (Same as Education 403L.)

451. *Medieval and Renaissance French Literature*. Second semester; lectures three hours; three credits.

A critical and historical study of the major literary works and trends from the *Chanson de Roland* to the *Essais* of Montaigne. (Offered alternate years, beginning Spring 1974.)

491. *Twentieth-Century French Novel*. Second semester; lectures three hours; three credits.

A critical and historical study of prose fiction in the twentieth century emphasizing the development of the genre as seen in the novels of Proust, Gide, Malraux, Mauriac, Sartre, Camus. (Offered alternate years, beginning Spring 1974.)

492. *Twentieth-Century French Poetry and Drama*. Second semester; lectures three hours; three credits.

A critical and historical study of the major poetic trends of the twentieth century as seen in the works of Apollinaire, Péguy, Claudel, Valéry, the Surrealists, and Prévert. Accompanying study of the drama of the period through the works of Apollinaire, Claudel, Giraudoux, Anouilh, Cocteau, Sartre, Ionesco, and Beckett. (Offered alternate years, beginning Spring 1975).

495. *Advanced Topics in French*. Both semesters; lectures three hours; three credits. Prerequisite: senior standing or consent of the instructor.

A seminar in major authors or topics related to historical and cultural periods, with subject matter and instructor changing each semester. The seminar topic will represent both student interest and the specialty (or research in progress) of an individual member of the department. No student may enroll more than twice for credit. (To be offered for the first time during the first semester of the 1974-1975 session.)

499. *Independent Study*. One to three hours credit.

A course for upperclassmen in French studies. The area of study and number of hours credit may vary each time the course is offered. (To be offered upon request and at the discretion of the department.)

German

In cooperation with the Modern Language Department of the College of William and Mary, the College offers a major in German.

A major in German consists of 30 semester hours in the field above the 202-level, including the satisfactory completion of German 251, 252, 301, 311 and six hours of 400-level courses, plus 12 hours of electives in the Modern Languages Departments of Christopher Newport College and the College of William and Mary. The study of a second language is strongly recommended.

101-102. *Elementary German*. Continuous course; lectures four hours; four credits each semester.

An introduction to the German language, with emphasis on reading, writing, speaking, and listening comprehension.

103. *Accelerated Elementary German*. Both semesters; lectures three hours; three credits. Prerequisite: placement examination.

An accelerated review of German grammar. Structure and vocabulary-building exercises.

201. *Intermediate German*. First semester; lectures three hours; three credits. Prerequisite: German 101-102, or 103, or by placement examination.

A review of grammatical structures with further development of reading, writing, speaking, and listening comprehension skills.

202. *Intermediate German*. Second semester; lectures three hours; three credits. Prerequisite: German 201 or by placement examination.

Selected readings in German literature of the nineteenth and twentieth centuries. Lectures, discussions and reports. Conducted chiefly in German.

251, 252. *Introduction to German Literature*. Both semesters; lectures three hours; three credits each semester. Prerequisite: German 201-202 or the equivalent.

A survey of German literature, emphasizing the major writers and the dominant literary trends, first semester from the sixteenth century through the Age of Goethe; second semester from 1800 to present. Conducted chiefly in German.

301. *Grammar and Composition*. First semester; lectures three hours; three credits. Prerequisite: German 202 or the equivalent.

Review of main principles of syntax. Composition, translation. Conducted chiefly in German.

302. *Conversation*. Second semester; lectures three hours; three credits. Prerequisite: German 202 or the equivalent.

The aim of this course is to develop greater fluency in speaking and writing idiomatic German. Phonetics; intensive oral-aural training. Conducted chiefly in German.

303. *Advanced Grammar and Composition*. Second semester; lectures three hours; three credits. Prerequisite: German 202 or its equivalent.

Study of syntax and style through composition and translation. Conducted chiefly in German.

311. *German Civilization*. First semester; lectures three hours; three credits. Prerequisite: German 201 or equivalent.

A study of the society and culture of the German-speaking peoples, encompassing geography, history, art, music, and social customs. Conducted chiefly in German.

395. *Elementary Topics*. Both semesters; lectures three hours; three credits. Prerequisite: junior standing or consent of the instructor.

A seminar in major literary periods or topics related to historical and cultural developments. Emphasis on research methods. No student may enroll more than twice for credit. (To be offered for the first time during the second semester of the 1974-1975 session.)

495. *Advanced Topics in German*. Both semesters; lectures three hours; three credits. Prerequisite: senior standing or consent of the instructor.

A seminar in major authors, or topics related to historical and cultural periods, with subject matter and instructor changing each semester. The seminar topic will represent both student interest and the specialty (or research in progress) of an individual member of the department. No student may enroll more than twice for credit. (To be offered for the first time during the first semester of the 1974-1975 session.)

499. *Independent Study*. One to three hours credit.

A course for upperclassmen in German studies. The area of study and number of hours credit may vary each time the course is offered. (To be offered upon request and at the discretion of the department.)

Spanish

The major in Spanish requires a minimum of thirty semester hours, including the following courses: Spanish 251, 252, 301, 351, 352 and 463 plus twelve hours of electives in the department. A student preparing to earn a Collegiate Professional Certificate is advised to include 302 and 311 or 312 in his electives. During practice teaching, the student will take the Materials and Methods course, 403L, which does not apply towards the major.

The department recommends that cognate courses in English, history, philosophy, music and art be studied to support the major. The study of a second language is strongly recommended.

Unless otherwise specified, the prerequisite for all three-hundred and four-hundred level courses is successful completion of Spanish 251 or 252 or the consent of the instructor.

101-102. *Elementary Spanish*. Continuous course; lectures four hours; four credits each semester.

An introduction to the Spanish language, with emphasis on reading, writing, speaking, and listening comprehension.

103. *Accelerated Elementary Spanish*. Both semesters; lectures three hours; three credits. Prerequisite: placement examination.

An accelerated review of Spanish grammar. Structure and vocabulary-building exercises.

201. *Intermediate Spanish*. Both semesters; lectures three hours; three credits. Prerequisite: Spanish 101-102, or 103, or by placement examination.

A review of grammatical structure, with further development of reading, writing, speaking, and listening comprehension skills.

202. *Intermediate Spanish*. Both semesters; lectures three hours; three credits. Prerequisite: Spanish 201 or by placement examination.

Selected readings from the literature of the nineteenth and twentieth centuries. Lectures, discussions, and reports. Conducted chiefly in Spanish.

251, 252. *Introduction to Spanish Literature*. Both semesters; lectures three hours; three credits each semester. Prerequisite: Spanish 201-202 or the equivalent.

A survey of Spanish literature, emphasizing the major writers and the dominant literary trends; first semester from *El Cid* through the Golden Age; second semester from 1700 to the present. (Offered alternate years, beginning Fall 1974.)

301. *Grammar and Composition*. First semester; lectures three hours; three credits. Prerequisite: Spanish 202 or the equivalent.

Review of main principles of syntax. Composition, translation. Conducted chiefly in Spanish. (Offered alternate years, beginning Fall 1973.)

302. *Conversation*. Second semester; lectures three hours; three credits. Prerequisite: Spanish 202 or the equivalent.

The aim of this course is to develop greater fluency in speaking and writing idiomatic Spanish. Phonetics; intensive oral-aural training. Conducted chiefly in Spanish.

303. *Advanced Grammar and Composition*. First semester; lectures three hours; three credits. Prerequisite: Spanish 202 or its equivalent.

Study of syntax and style through composition and translation. Conducted chiefly in Spanish. (Offered alternate years, beginning Fall 1974.)

311. *Spanish Civilization*. First semester; lectures three hours; three credits. Prerequisite: Spanish 201 or the equivalent.

A study of contemporary society and culture of Spain encompassing geography, history, art, music, and social customs. (Offered alternate years, beginning Fall 1973.)

312. *Spanish-American Civilization*. Second semester; lectures three hours; three credits. Prerequisite: Spanish 201 or the equivalent.

A study of contemporary society and culture of the Spanish-American countries encompassing geography, history, art, music, and social customs. (Offered alternate years, beginning Spring 1974.)

351, 352. *Introduction to Spanish-American Literature*. Both semesters; lectures three hours; three credits each semester.

A survey of Spanish-American literature, emphasizing the major writers and the dominant literary trends; first semester from the colonial period to Modernism; second semester from Modernism to the present. Lectures will be in Spanish. (Offered alternate years, beginning Fall 1973.)

363. *Drama of the Golden Age*. First semester; lectures three hours; three credits.

Detailed study of the drama of the Golden Age; Lope de Vega, Cervantes, Tirso de Molina, Ruiz de Alarcón and Calderón de la Barca. Lectures will be in Spanish. (Offered alternate years, beginning Fall 1974.)

364. *The Novel and Poetry of the Golden Age*. Second semester; lectures three hours; three credits.

Major emphasis on the picaresque novel and the development of poetic expression from Garcilaso to Góngora. (Offered alternate years, beginning Spring 1975.)

391. *The Generation of '98*. First semester; lectures three hours; three credits.

Representative figures include Unamuno, Azorín and Baroja. (Offered alternate years, beginning Fall 1973.)

392. *Twentieth-Century Spanish Literature*. Second semester; lectures three hours; three credits.

Contemporary studies in the genres of poetry, drama, and the novel. (Offered alternate years, beginning Spring 1974.)

393. *Modernismo*. First semester; lectures three hours; three credits. Prerequisite: Spanish 351 or 352 or the equivalent.

A critical and historical study of the poetry and prose of the Modernists. (Offered alternate years, beginning Fall 1974.)

394. *Twentieth-Century Spanish-American Literature*. Second semester; lectures three hours; three credits. Prerequisite: Spanish 351 or 352 or the equivalent.

Critical and historical study of representative works of the twentieth century. (Offered alternate years, beginning Spring 1973.)

395. *Elementary Topics*. Both semesters; lectures three hours; three credits. Prerequisite: junior standing or consent of the instructor.

A seminar in major literary periods, or topics related to historical and cultural developments. Emphasis on research methods. No student may enroll more than twice for credit. (To be offered for the first time during the second semester of the 1974-1975 session.)

403L. *Materials and Methods of Teaching Modern Language in the Secondary School*. Second semester; lectures three hours; three credits. Prerequisites: Education 312 (Psychology) or Psychology 307 or 309, and fifteen credits in French or Spanish above the 202 level.

A study of established methods of instruction, involving aural, oral, and audio-visual approaches, uses of instrumentation, test construction and evaluation and applied linguistics in the language teaching situation. (Same as Education 403L.)

463. *Cervantes*. Second semester; lectures three hours; three credits.

Cervantes, his life and work. Major emphasis on *Don Quixote*. (Offered alternate years, beginning Spring 1973.)

495. *Advanced Topics in Spanish*. Both semesters; lectures three hours; three credits. Prerequisite: senior standing or consent of the instructor.

A seminar in major authors or topics related to historical and cultural periods, with subject matter and instructor changing each semester. The seminar topic will represent both student interest and the specialty (or research in progress) of an individual member of the department. No student may enroll more than twice for credit. (To be offered for the first time during the first semester of the 1974-1975 session.)

499. *Independent Study*. One to three hours credit.

A course for upperclassmen in Hispanic studies. The area of study and number of hours credit may vary each time the course is offered. (To be offered upon request and at the discretion of the department.)

Music

101. *Mixed Chorus*. Both semesters; three hours rehearsal; one credit. No more than 4 credits may be offered toward graduation. Prerequisite: audition.

The study and performance of works by great composers of choral literature. Diction, phrasing, breath control, dynamic expression, and tone production will be emphasized.

111-112. *Elementary Theory of Music*. Continuous course. Lectures three hours; laboratory two hours; four credits each semester. Prerequisite: consent of the instructor.

A review of the basic rudiments of music. Simple chords, seventh chords, non-harmonic tones, analysis of chords, analysis of chorales, sight reading, and dictation will be studied.

201, 202. *Introduction to Music* (History and Appreciation). Lectures two hours, listening and quiz one hour; three credits each semester.

This course traces the development of the art of music through the various historical periods, and familiarizes the student with the more important composers and their works. A synopsis of style, form, and theory is included. First semester surveys the eighteenth and nineteenth centuries; second semester covers ancient Greece through the Baroque, and briefly surveys the twentieth century.

203-204. *History of Western Music*. Continuous course. Lectures three hours; three credits each semester. Prerequisites: Music 111-112 or consent of the instructor.

Survey of music styles, composers, and music literature from ancient civilizations through the twentieth century.

Philosophy

A major in philosophy is offered in cooperation with the Philosophy Department of the College of William & Mary. The minimum concentration is *thirty hours* in philosophy. No set sequence of courses is prescribed. The student is advised to become acquainted with the history of thought, various alternative methods of thinking, modern philosophers, and contemporary philosophical issues. The student may take courses in philosophy offered at Williamsburg with the approval of both department chairmen and the instructor concerned.

101. *Elementary Logic*. First semester; lectures three hours; three credits.

An introduction to the logical aspects of reasoning, argument, fallacies, deduction, induction, and problems of meaning.

102. *Introduction to Philosophic Inquiry*. Second semester; lectures three hours; three credits.

An introduction to the main problems of philosophy, and its methods of inquiry, analysis, and criticism.

201. *The History of Philosophy*. First semester; lectures three hours; three credits.

An historical introduction to philosophy with special readings in the pre-Socratics, Plato, Aristotle, the Stoics and Epicureans, St. Thomas Aquinas, and others. The nature of philosophy and basic philosophic problems will be discussed through these writers.

202. *The History of Philosophy*. Second semester; lectures three hours; three credits. Prerequisite: Philosophy 201 or consent of instructor.

An historical introduction to modern philosophy with readings in Descartes, Spinoza, Locke, Berkeley, Hume and others. The philosophical writings of these men will be studied not only for their own worth, but as a means of acquainting the student with the nature of philosophy and the basic philosophical quest. Some time will be given to the political and cultural milieu out of which these philosophies came.

301. *Intermediate Logic*. First semester; lectures three hours; three credits. (Offered in alternate years.) Prerequisites: Philosophy 101, 102.

A study of the principles of valid reasoning with special emphasis on modern symbolic techniques.

302. *Advanced Logic*. Second semester; lectures three hours; three credits. (Offered in alternate years.) Prerequisite: Philosophy 301.

A continuation of Philosophy 301.

304. *Theory of Knowledge*. Second semester; lectures three hours; three credits. (Offered in alternate years.)

An examination of philosophical theories about such topics as the nature and criteria of truth, perception and cognition, meaning, knowledge, and the validation of belief.

305. *Ethics*. First semester; lectures three hours; three credits.

The critical analysis of ethical theories, from the pleasure-philosophies of the ancient Greeks to the happiness-ethic of Aristotle and the recommendation of duty by Kant.

306. *Aesthetics*. Lectures three hours; three credits. Prerequisite: three hours of philosophy or consent of instructor. (Offered in alternate years.)

The theory of beauty illumined by the great thinkers in the tradition of thought.

307. *Contemporary Philosophy*. First semester; lectures three hours; three credits. (Offered in alternate years.)

An examination of philosophical thought during the twentieth century with selected readings from the works of existentialists, analytic philosophers, and others. Jean-Paul Sartre and Bertrand Russell will be among those studied.

308. *Philosophy of Religion*. Second semester; lectures three hours; three credits.

The philosophical study of religion, with reference to the critical analysis of religious experience, various features in world religions, and theological doctrines.

310. *Social and Political Philosophy*. Lectures three hours; three credits. Prerequisite: three hours of philosophy or consent of instructor. (Offered in alternate years.)

A study of the social and political writers of philosophy such as Plato, Aristotle, St. Augustine, St. Thomas Aquinas, Machiavelli, Hobbes, Locke, Kant, Marx, Mill, and Marcuse.

395. *Elementary Topics in Philosophy*. Lectures three hours; three credits. Prerequisite: Philosophy 201-202 or consent of instructor.

Topics of particular interest in philosophy studied in consultation with the needs and interest of students. For juniors.

No more than three such courses (nine hours total) may be taken for credit.

Some possible topics might be: Metaphysics, Philosophy of Language, Philosophy of Change, the History of Ideas (such as freedom and fate, reason, authority, war and peace, Utopia), Marxism, Thomism, Philosophy of Law or Philosophy of Science.

421. *Eastern Philosophy*. Lectures three hours; three credits. Prerequisite: Philosophy 201-202 or consent of instructor.

A study of oriental philosophies using source materials from China, India, Japan, Tibet, Korea, and Persia. Both ancient and modern Asian authors will be studied, including the *I-Ching*, *Bhagavad-Gita*, Zen Buddhism, and the *Tibetan Book of the Dead*.

440. *American Philosophy*. Lectures three hours; three credits. Prerequisite: Philosophy 201-202 or consent of instructor.

A history of American philosophical thought from colonial times to the present day, from Ames to Hodder, concentrating on those traits distinctive in American philosophers. Included will be such figures from the Golden Age of American philosophers as William James and George Santayana.

490. *Senior Seminar*. Lectures three hours; three credits.

A seminar course concentrating on one philosopher or concept. A major research paper is required from each student. Required of all philosophy majors. Open only to philosophy majors with Senior Standing.

495. *Advanced Topics in Philosophy*. Lectures three hours; three credits. Prerequisite: Philosophy 201-202 or consent of instructor.

Topics of particular interest in philosophy studied in consultation with the needs and interest of students. For Seniors.

No more than three (3) such courses (nine hours total) may be taken for credit.

Some possible topics might be: Metaphysics, Philosophy of Language, Philosophy of Change, the History of Ideas (such as freedom and fate, reason, authority, war and peace, Utopia), Marxism, Philosophy of Law, or Philosophy of Science.



Physical Education

Men's Athletics

The Department of Athletics for Men is sanctioned by the National Association of Intercollegiate Athletics. Representative teams of the College include basketball, golf, tennis, and track which are members of the Dixie Intercollegiate Conference and Virginia College Athletic Association.

All decisions relative to athletics are the responsibility of the President of the College. His final action on athletic matters shall be based upon his personal knowledge and experience, the recommendations of the Athletic Advisory Committee, and the advice of the Director of Athletics.

Women's Athletics

Sports for women are sanctioned by the Virginia Federation for Intercollegiate Sports for Women and include basketball and hockey which will be played on a club basis during the 1973-74 seasons.

The responsibility and supervision of the program follows the same pattern as the Men's Athletics.

Intramurals

An intramural program is offered for both men and women under the sponsorship and supervision of the Physical Education Department and Women's Recreation Association. Recreational activities are offered for those skilled and unskilled, but mainly for those who cannot compete on the varsity level, and wish to pursue development of those skills acquired in the physical education program.

Men's Activities—Flag Football, Basketball, Tennis, Golf, Softball, Free Throw Basketball, and Three Man Basketball

Women's Activities—Gymnastics, Tennis, Softball, Basketball, Field Hockey, Free Throw Basketball

Coeducational Activities—Badminton, Volleyball, Table Tennis, Horseshoes, Archery, and Tennis

Health, Physical Education, and Recreation

Basic Requirements in Physical Education

Two semesters of activities courses are required for the Associate or Bachelor degree. No more than four semester credits earned in

activities courses may be counted toward a degree, and course credit may not be duplicated.

Each one credit activities course (with quality point credit) meets three hours weekly for one semester. A medical form is required of all incoming students. Uniform regulations are dependent upon the nature of the activity.

Men's Activity Courses

Students who lack motor fitness are advised to complete the course in Physical Conditioning. Any student whose physical activities must be restricted is placed in a physical conditioning class which has the proper motor activities designed to improve fitness and movement skills in accordance with individual needs. A student may repeat P. E. 101; however, no other course may be repeated without the permission of the Chairman of the Department of Health, Physical Education, and Recreation.

Virginia Teaching Certification

Presently, a student may take enough hours to be certified to teach in the following areas: Elementary and Secondary Physical Education, Health Education, Driver Training, Coaching, and to obtain recreation jobs in schools, cities, camps, etc. At this time, a student can complete degree requirements, and receive certification but will not receive the degree itself until 1975 or 1976.

Activities (1 Credit)

Men's

Adapted

101. Physical Conditioning

Team Sports

102. Soccer and Weight Training
103. Basketball and Volleyball

Individual and Dual Sports

105. Bowling and Golf
106. Gymnastics
107. Track and Weight Training
108. Wrestling
109. Badminton and Tennis
110. Handball, Racquet Ball and Volleyball
111. Lacrosse

Women's*Dance*

- 150. Beginning Modern Dance
- 151. Intermediate Modern Dance

Team Sports

- 155. Hockey and Basketball
- 156. Softball and Volleyball
- 157. Soccer and Volleyball
- 158. Basketball and Volleyball

Individual and Dual Sports

- 160. Bowling and Golf
- 161. Beginning Gymnastics
- 162. Intermediate Gymnastics

Adapted Activities

- 165. Adapted Activities
- 166. Conditioning and Activities

Co-educational Activities Courses*Dance*

- 170. Folk and Square Dancing

Individual Sports

- 175. Archery and Badminton
- 176. Bowling and Archery
- 177. Badminton and Tennis
- 178. Golf and Bowling
- 179. Swimming
- 180. Fencing

Adapted Activities

- 181. Physical Conditioning/Individual Activities

Elective Courses

The following courses may be used as elective credits toward a degree at Christopher Newport College or presented for transfer to colleges offering a degree in Physical Education. These courses may certify a person to teach Health and Physical Education on the secondary or elementary level and Driver Training or Coaching.

The prerequisite for all 300 and 400 level courses is Junior standing or consent of the Chairman of the Department.

190. *Introduction to Health, Physical Education and Recreation*. First semester; lectures two hours; two credits.

Review of the professional aspects of Physical Education. History, principles, aims, literature, professional organizations, trends, career responsibilities, and qualifications.

191. *Personal and Community Health*. Second semester; lectures two hours; two credits.

Designed to develop knowledge, understanding, and desirable health attitudes related to personal and community health.

209. *Theory and Fundamentals of Bowling, Archery, and Badminton*. First semester; lectures and lab four hours; three credits. (Offered on alternate years beginning in fall of 1973.)

Theory, practice, coaching methods, and officiating techniques.

211. *Theory and Fundamentals of Soccer and Wrestling (M) or Rhythmic (F)*. First semester; lectures and lab four hours; three credits. (Offered on alternate years beginning in fall of 1973.)

Theory, practice, coaching methods, and officiating techniques.

212. *Theory and Fundamentals of Swimming and Gymnastics*. First semester; lectures and lab four hours; three credits. (Offered on alternate years beginning in fall of 1972.)

Theory, practice, coaching methods, and officiating.

213. *Theory and Fundamentals of Field Hockey (F) or Football (M) and Basketball (M and F)*. First semester; lectures and lab four hours; three credits. (Offered on alternate years beginning in fall of 1972.)

Theory, practice, coaching methods, and officiating.

214. *Theory and Fundamentals of Golf and Tennis*. Second semester; lectures and lab four hours; three credits. (Offered on alternate years beginning in spring of 1974.)

Theory, practice, coaching methods, and officiating techniques.

216. *Theory and Fundamentals of Conditioning and Track*. Second semester; lectures and lab four hours; three credits. (Offered on alternate years beginning in spring of 1974.)

Theory, practice, coaching methods, and officiating techniques.

218. *Theory and Fundamentals of Baseball (M) or Softball (F) and Volleyball (M and F)*. First semester; lectures and lab four hours; three credits. (Offered on alternate years beginning in fall of 1973.)

Theory, practice, coaching methods, and officiating techniques.

305. *Camping and Recreation*. Second semester; lectures and lab four hours; two credits. (Offered on alternate years beginning in spring of 1974.)

Development of skills and leadership in camping and recreational activities. Field trips and overnight camping will be a course requirement.

308. *Safety Education and First Aid*. First semester; lectures three hours; three credits.

This course is designed to develop a knowledge of and attitudes concerning the safety aspects of all areas of activity in the home, school, and community. This course should be taken along with P.E. 317 for Driver Training certification in the State of Virginia. Standard Red Cross First Aid requirements are incorporated into this course.

309. *History and Principles of Health, Physical Education and Recreation*. First semester; lectures three hours; three credits.

A study of the basic biological, psychological, and sociological contributions of physical education in various societies. Past and present surveys of the origin and nature of these areas will be studied.

311. *Methods and Materials in Elementary School Health and Physical Education*. Second semester; lectures three hours; three credits. (Offered on alternate years beginning in spring of 1974.)

Application and study of teaching methods and materials applicable to elementary school and early childhood. Organization of classes, selection of content, use of resources, and evaluation will be studied.

315. *Sports Officiating*. First semester; lectures and lab four hours; two credits. (Offered on alternate years beginning in fall of 1972.)

Study and analysis of rules and officiating techniques. A minimum number of contact hours of practical experience in supervised officiating in the intramural, city recreation, and Y.M.C.A. league is required.

317. *Driver Education and Traffic Safety*. Second semester; lectures three hours; three credits. Prerequisite: Virginia Driver's License and Ed. 303 or a similar methods course.

Classroom instruction combined with road training, observation, traffic safety, and teaching of driving to beginners on a multiple car range. Knowledge and experience in the use of a simulator and other audio-visual aids will be required.

318. *Rhythms, Movement Education and Activities on the Elementary Level*. Second semester; lectures and lab four hours; three credits.

Practice in the skills and physical education activities for the elementary school classroom teacher and physical education specialist. Included are analysis of movement, games, and activities suitable for the elementary school child.

321. *Foundations of Health*. Both semesters; lectures three hours; three credits.

The role of the classroom teacher in the school health program. A survey of State Department publications and other resource material will be used. This course is suggested for those who seek Virginia State Certification as a teacher.

395. *Topics in Health, Physical Education and Recreation*. Second semester; three hours; three credits. Prerequisite: upper level standing or consent of instructor. May offer no more than 9 credits toward graduation.

Topics not included in the regular curriculum will be selected for advanced treatment or to fit special needs.

Ed. 401P. *Supervised Teaching in Physical Education*. First semester; six credits. Prerequisite: Ed. 303, Ed. 312, and Psychology 307.

A student teaching experience offered as professional experience for prospective school teachers. Those desiring to be certified for elementary school will spend 50% of their clock hours in an elementary school.

409. *Kinesiology*. Second semester; lectures three hours; three credits. Prerequisite: Biology 101-102 and 213. (Offered on alternate years beginning in spring of 1973.)

A study of the principles of human motion, anatomical and mechanical analysis of individual skills in physical education activities.

410. *Methods and Materials in Health, Physical Education on the Secondary Level*. Second semester; lectures three hours; three credits. (Offered on alternate years beginning in spring of 1973.)

Class procedures, review of methods and materials used in the health and physical education programs on the secondary level.

Physics

101-102. *General Physics*. Continuous course; lectures four hours, laboratory two and one-half hours; four credits each semester. Prerequisite: Mathematics 230 (may be taken concurrently with permission of the instructor).

Survey course in physics for science, mathematics or engineering students. First semester: mechanics, heat, and sound. Second semester: electricity, light, and modern physics.

103-104. *Elementary Physics*. Continuous course; lectures four hours, laboratory two and one-half hours; four credits each semester.

Survey course in physics recommended for non-science majors. Satisfies distribution requirements in field of science.

395. *Topics*. Both semesters; lectures one to four hours; one to four credits.

Topical seminar in classical physics, contemporary physics, physical theories and sailing, physics for children, urban dynamics, and global dynamics.

Political Science

The Department of Political Science offers the Bachelor of Arts Degree to students who are seeking a broad background for understanding public affairs in several fields: comparative government, international relations, political theory, public law, and public administration. The Bachelor of Arts Degree requires a minimum of thirty

credit hours,¹ including the following courses: Political Science 102 and Political Science 491 or Political Science 496. The remaining courses should be selected in consultation with the student's adviser.

The Department of Political Science in cooperation with other departments of the College offers the Bachelor of Science Degree in Governmental Administration. This degree is interdisciplinary in its core requirements and offers specialties, at the option of the student, in urban management, law enforcement, corrections, and urban development planning.* This degree is designed to serve the need for college graduates who possess broad understanding and specialized skills in the administration of urban environments. Urban specialists are employed by local, state, and national governments as well as private foundations and institutions.

102. *The American Political Process.* Both semesters; lectures and discussions three hours; three credits.

An introduction to the study of the processes and problems of policy-making in American democracy. Consideration is given to the role of executive, legislative, judicial, and administrative institutions as well as parties and interest groups as dynamic components in the policy-making system.

201. *Comparative Politics.* Lectures and discussions three hours; three credits.

A comparative study of selected Western and non-Western countries in terms of structural and functional characteristics, the interaction of political systems in their environment, and the responses to the pressures of change in the process of development.

221. *State and Local Government.* Lectures and discussion three hours; three credits.

A survey of the structure, functions, and issues of state and local governments in the United States, including problems of distribution of power within the federal system.

231. *Constitutional Interpretation and the Political Process.* Lectures and discussions three hours; three credits.

An examination of Supreme Court cases and other materials in considering the interaction between the judiciary and other instrumentalities, such as the federal system, political parties, the Presidency, legislature, bureaucracy, church-state relations, and interest group activities.

¹ The student may elect not to count the introductory courses (Political Science 102 and 201, or 221 or 231) among the hours counted in his major requirement. If he so elects, he must declare his intention to the Registrar prior to the completion of ninety semester credits.

* The specific requirements for distribution courses, core courses, and specialty courses are listed with other sample programs. See index.

302. *Public Finance.* Second semester; lectures and discussions three hours; three credits. Prerequisite: Economics 201-202.

The nature and application of the fundamental principles which apply to the obtaining, managing, and disbursing of the funds necessary for the performance of governmental functions at the local, state, and federal levels. The American tax system is given detailed consideration. (Same as Economics 302.)

321. *International Relations.* Lectures and discussions three hours; three credits.

Fundamental ingredients of international politics and an examination of the structure of the international system. Includes the role of the state as a political actor, the inter-relationship to one another and the major problems of the contemporary period.

331. *Introduction to Urban Planning.* Lectures and discussions three hours; three credits.

Examines the general nature of urban planning and its development in the United States, including a survey of the problems with which planning seeks to cope.

334. *Techniques of Urban Planning.* Lectures and discussions three hours; three credits.

In-depth survey of several planning techniques for specific urban planning tasks, including techniques for population analysis, land use planning, public facilities, and commercial activities planning.

337. *Techniques of Planning.* Lectures and discussions three hours; three credits.

In-depth survey of several planning techniques for specific urban planning problems. The use of computer systems in planning.

342. *Crime Control and Community Relations.* Lectures and discussions three hours; three credits.

Examines the factors which bear on community support of public agencies responsible for crime control and the corrections of offenders. The roles of the police administrator, prosecutor, judge and corrections administrator are treated, as are the effects of the civil rights and anti-war movements and instances of civil disobedience.

346. *Politics of Criminal Justice Administration.* Lectures and discussions three hours; three credits.

Deals with major issues related to all phases of the criminal justice process including: Law enforcement versus order maintenance; local versus state control of law enforcement; limits of the criminal sanction; control of organized crime; the legitimacy of public protest; administrative efficiency versus the rule of law; selective enforcement and prosecution; plea bargaining; the symbolic nature of the criminal trial; capital punishment; community-based corrections; and public employment of ex-offenders.

352. *Modern Political Behavior.* Lectures and discussions three hours; three credits.

The uses of science in political analysis; fundamentals of quantitative approaches to political behavior; and introduction to the construction, delivery, and analysis of surveys.

358. *Political Thought and Criticism*. Lectures and discussions three hours; three credits.

A critical analysis of the central and pervasive issues of normative political theory with the view of clarifying such concepts as natural law, the state, freedom, social contract, equality, and the nature of history in the political philosophy of representative thinkers of the pre-contemporary period.

359. *Recent Political Ideas and Values*. Lectures and discussions three hours; three credits.

An analysis of ideas and political action in Capitalism, Liberalism, Democratic Socialism, Black Liberation, the New Left, Marxism, and Conservatism as they relate to domestic and foreign policy making.

361. *Functions and Policies of American Government*. Lectures and discussions three hours; three credits.

An investigation of the processes of policy-making and interpretation of various factors which affect the formation and execution of American public policy such as fiscal, regulation of business, health, welfare.

363. *Law and Public Policy*. Lectures and discussions three hours; three credits.

A treatment of civil, political, and environmental legal rights as they relate to such policy areas as the security of persons, education, administration of criminal justice, employment, housing, public accommodations, health and welfare services, and pollution problems.

371. *Public Administration*. Lectures and discussions three hours; three credits.

Survey of administrative organization; organization theory; administrative behavior; politics and administration; personnel and budgetary processes; administrative responsibility.

381. *Public Personnel Administration*. Lectures and discussions three hours; three credits.

Principles and functions of personnel administration in the public service: recruitment, placement, wage and salary administration, training, retirement benefits.

391. *Governmental Budgeting*. Lectures and discussions three hours; three credits.

Basic concepts, principles, and practices in governmental budgeting, the interrelation of planning, programming, and budgeting.

395. *Elementary Topics in Political Science*. Seminar. Three credits for each course; a maximum of nine credits toward a degree.

Individual study on an approved reading list and project. Group discussion and critique.

401. *Public Management*. Lectures and discussions three hours; three credits.

An examination of perspectives, problems, and processes of the executive function of directing managerial-administrative organization; structural design; human factors in organizing; elements of decision-making; leadership and communication; the main lines of organizational theory.

406. *Trial Court Administration*. Lectures and discussions three hours; three credits.

Focus is on judicial responsibility for management and the duties of the trained court executive, including budget execution, management of physical court facilities, information service, intergovernmental relations assistance, jury administrative services, statistical management.

440. *Planning Administration*. Lectures and discussions three hours; three credits.

Investigation of the legal tools of planning (zoning, sub-division regulations, etc.), theories of coordination and levels of planning. Examination of types of planning administration and levels of administration.

445. *Planning and Design*. Lectures and discussions three hours each semester, six hours; six credits.

Laboratory exercises in sub-division, commercial and landscaping design. Development of an individualized planning project, including analysis of a specific planning problem and provision for its solution.

451. *Urban Government and Politics*. Lectures and discussions three hours; three credits.

Survey of modern urban political ecology, forms, and styles of urban government, reform movements, metropolitics, urban riots, cities versus the states, politics of urban development and decay, survivability of urban systems.

461. *The Politics of Urban Planning*. Lectures and discussions three hours; three credits.

The emergence of urban planning; its theoretical base; analysis of the planning process as a part of the urban political process; the range and form of urban planning, including pollution control, new towns, comprehensive planning and advocacy planning; the problems and potential of planning in democratic political systems.

468. *Criminal Justice Planning*. Lectures and discussions three hours; three credits.

Examines the impact of federal financial aid to state and local law enforcement agencies and the responses of the American states and localities to this aid. Treats the influence of interstate variances in social, economic, and political areas on law enforcement planning. Focus is on the systems approach to planning in accordance with procedures and guidelines established by the U.S. Department of Justice (LEAA), and on procedures of state planning agencies related to the administration of discretionary and action grants and projects.

491. *Practicum in Governmental Administration*. Three credits. Senior standing required.

Internship with a governmental agency in law enforcement, corrections, planning, or general administration. Periodic conferences, written evaluations, and research project.

495. *Advanced Topics in Political Science*. Seminar. Three credits for each course; a maximum of nine credits toward a degree.

Individual study on an approved reading list and project. Group discussion and critique.

496. *Independent Studies in Political Science*. Seminar; three credits. Senior standing required.

Individual study on an approved project; discussion and critique on methods of research.

Psychology

The aims of the psychology program are to acquaint students with the body of knowledge in psychology and to teach them how to apply this knowledge usefully and responsibly. The department is organized to enable the major student to survey the entire field of psychology and to learn how to use the tools of psychological research.

Some students majoring in psychology will go on to graduate study; others will find opportunities to work in other areas such as personnel, as case workers in welfare departments, as probation officers, as teachers in the areas of early childhood education, or in special education.

General requirements for the B.S. and B.A. degrees: All psychology majors will be asked to complete thirty credits in psychology.* Three of these credits must be Psychology 201: *Principles of Psychology*. Fifteen hours must be Psychology 301, 302: *Experimental Psychology* (8 hours), Psychology 231: *Statistical Applications in Social Science Research* (3 hours), and Psychology 490: *Senior Seminar* (4 hours, 2 enrollments). Of the remaining twelve credits, nine hours must be in junior and senior level courses and at least three of these in a senior level course.

Special requirement for B.S. degree: One additional semester course in a laboratory science in the student's field of interest beyond the requirements already listed for the B.S. degree in the section on Distribution Requirements. Psychology 404, *Physiological Psychology* will fulfill this special requirement.

Normal program for concentration: Sophomore year 201, 202, 231; Junior year 301, 302, electives; Senior year at least five hours each semester (one course and one seminar).

Psychology majors may elect to earn certification in Social Welfare. Refer to description of program in Sociology Department. The

*The student may elect not to count the introductory courses (Psychology 201, 202, 203) among the hours counted in his major requirement. If he so elects, he must declare his intention to the Registrar prior to the completion of ninety semester credits.

student must coordinate his or her program with the Social Welfare adviser in that department as well as the major adviser.

A major who wishes to develop a specialty in Criminal Justice (corrections) should coordinate his or her program with the Criminal Justice program director in the Political Science Department as well as the major adviser. Refer to description of program in Political Science Department listings.

Psychology 201 is the prerequisite for all courses listed below. Prerequisite for all 400-level courses is completion of required 300-level courses or evidence of maturity in psychology as judged by the instructor.

201. *Principles of Psychology*. Both semesters; lectures three hours; three credits.

Basic principles of behavior according to the categories of general psychology; motivation, learning, maturation, emotion, thinking, perception, intelligence, and the organization of personality.

202. *Contemporary Psychology*. Both semesters; seminars three hours; three credits.

A continuation of the introduction to psychology through the study of original literature in various fields.

203. *Psychology of Adjustment*. Second semester; lectures three hours; three credits.

An examination of research and literature concerning the interaction between the individual and persons and events in his bio-social environment. The problems of daily living will be emphasized.

231. *Statistical Applications in Social Science Research*. Both semesters; lectures two hours, laboratory three hours; three credits. Prerequisites: a minimum of three hours of college mathematics and Psychology 201 (its equivalent or demonstrated proficiency in psychology).

Descriptive and inferential statistics including a brief introduction to probability theory, parametric tests, correlation, analysis of variance and the use of distribution free measures.

301. *Experimental Psychology*. First semester; lectures three hours, laboratory four hours; four credits. Prerequisite: Psychology 231. Psychology 231 may, with the consent of the instructor, be taken concurrently.

A comprehensive study of the scientific method and different approaches to behavioral research. Collateral readings and experiments, emphasizing experimental analysis of behavior principles, will be assigned to further explicate the scientific method.

302. *Experimental Psychology*. Second semester; hours to be arranged; four credits. Prerequisite: Psychology 231 and 301.

Each student is responsible for designing and conducting research, either original or replicated, under the direction of the instructor. He may be requested to make an oral defense of his work.

303. *Industrial Psychology*. Both semesters; lectures three hours; three credits.

A survey of how the psychologist functions in areas of recruitment, selection, training, placement, evaluation, management, supervision, human relations, and human engineering as well as the knowledge and methods currently available about human behavior in such situations.

304. *Social Psychology*. First semester; lectures three hours; three credits.

A study of the individual in group situations and the interaction of the individual and his environment in a great variety of circumstances. Emphasis on psychology of prejudice, attitudes, and groups.

305. *Psychology of Learning*. First semester; lectures three hours; three credits.

A study of the principles of human and animal learning, retention, and problem-solving with consideration also given to methods of investigation and recent theories of learning.

306. *Introduction to Tests and Measurements*. Second semester; lectures three hours, laboratory three hours; four credits.

Theory and history of the most widely used tests of achievement, of personality, and of intelligence.

Students may take only two of the following three courses for credit: 307, 308, 309.

307. *Developmental Psychology*. Both semesters; lectures three hours; three credits.

A study of data and theory concerning the development of the individual from infancy to maturity, including cognitive, physiological, and affective processes.

308. *Child Psychology*. First semester; lectures three hours; three credits.

The biological, social, and emotional factors influencing the normal growth and development of the child from birth to adolescence.

309. *Psychology of Adolescence*. Second semester; lectures three hours; three credits.

The development of the child from pre-adolescence through senescence, presenting theories of adolescence in light of experimental data.

312. *Educational Psychology*. Both semesters; lectures three hours; three credits. (Same as Education 312.)

The application of psychological facts, principles, and methods to learning in the classroom, including skill development in evaluation of student performance as an aid to learning and teaching.

313. *Human Relations in Organizations*. Both semesters; lectures three hours; three credits.

A survey of the basic facts, principles, theories, techniques and methods currently available about the behavior of people in organizations. Motivation and communications are particularly emphasized. Opportunities are provided to apply

these facts, principles and theories, to develop skills in current techniques and their applications to reaching organizational objectives, and to develop more awareness of the effects of our behavior on others, and the effects of the behavior of others on us.

314. *Introduction to Personality*. First semester; lectures three hours; three credits.

Individual differences in personality dynamics and various interpretations of personality development.

395. *Elementary Topics*. Both semesters; lectures three hours; three credits.

This course will present from time to time topics of special interest to the students and faculty of the department. Students who are interested in having a topics course in a certain area should make their suggestion to the Department Chairman. Students should also check the current list of courses taught to determine what topics will be offered in any given semester.

Only one Elementary Topics course may be offered toward a degree in psychology.

401. *History of Psychology*. Second semester; lectures three hours; three credits.

From Aristotle to the present with special emphasis on the nineteenth and twentieth centuries.

403. *Abnormal Psychology*. Second semester; lectures three hours; three credits.

A survey of behavior pathology emphasizing the neuroses and the functional psychoses and their relationship to current conceptions of normal personality functioning.

404. *Physiological Psychology*. First semester; lectures three hours; laboratory four hours; four credits.

A critical analysis of the physiological mechanisms controlling behavior. Lecture topics include neuroanatomy, the biochemical bases of behavior, homeostatic control mechanisms, emotion, and the neurophysiology of learning. The laboratory work centers around the techniques of brain stimulation, ablation, and electrical recording.

405. *Psychology of Motivation*. Second semester; lectures three hours; three credits.

A study of the energizing factors in behavior including such concepts as instincts, drive, homeostatically regulated systems, the emotions, stress, anxiety, and aggression. Both theoretical and experimental arguments are considered.

406. *Psychology of Perception*. First semester; lectures three hours; three credits.

Sensory and perceptual processes presented in the framework of both theoretical and experimental issues.

407, 408. *Psychology of the Exceptional Child*. Lectures three hours, laboratory to be arranged; four credits each semester. Prerequisite: Psychology 307 or 308.

The psychological development of children with physical, emotional, educational, social, and intellectual deviations as well as intellectual and personality development, evaluation, and communication problems. During the first semester

emphasis will be on psychological aspects of physical disability. During the second semester intellectual deviations, learning disabilities, and the problem of the brain-damaged child will be stressed.

411. *Research*. Both semesters; hours to be arranged; credit according to work undertaken. Prerequisite: Senior psychology major. Independent study which may consist of bibliographic or experimental research.

490. *Senior Seminar*. Both semesters; seminars two hours; two credits each semester. Prerequisite: Completion of required junior-level courses.

Topical seminars to cover a variety of areas. Senior concentrators are required to take two seminars. These seminars are limited to senior concentrators.

495. *Advanced Topics*. Both semesters; lectures three hours; three credits.

This course will present from time to time topics of special interest to the students and faculty of the department. These topics will be at the advanced level. Interdepartmental topics courses will be offered under this course number. Students should suggest possible topics to the Departmental Chairman, and should check the current list of courses offered to determine what topics will be offered in any given semester. This course does not count as the one required 400 level course, and a student may not receive credit for more than two Advanced Topics courses toward graduation in Psychology.

Retailing

100. *Distribution Seminar*. Second semester; lectures two hours, laboratory one hour; three credits.

A study of distributive institutions, career opportunities, and individual self-appraisal/career planning.

101. *Principles of Salesmanship*. Both semesters; lectures three hours; three credits.

Effective selling techniques, careers in selling, selling and the economy, and selling ethics are discussed and related to the student's directed occupational experience. The student is required to give a number of sales demonstrations in class in order to show his ability to conduct a sales interview.

102. *Principles of Marketing*. Both semesters; lectures and discussion three hours; three credits.

Study of the activities which direct the flow of goods and services from producers to consumers in modern economic systems. Emphasis is placed on developing the student's ability to analyze and evaluate marketing problems and policies. (Same as Business 311.)

103, 104. *Directed Occupational Training*. Two credits each semester.

Minimum of 225 hours occupational training for each course is required. The directed occupational training is conducted in selected retail, wholesale, or service businesses. Written assignments related to one's occupation objectives are included. Open to Retailing majors and unclassified students.

Freshman students may choose between the following plans for the first year:

1. The student works a minimum of 225 hours each semester from September to May.
2. The student works a minimum of 225 hours each semester beginning with the second semester in January and ending in August.

202. *Personnel Techniques in Distribution*. Second semester; lectures three hours; three credits.

A study of personnel techniques used in supervisory and mid-management positions which include how to supervise, how to train, how to interview, employer motivation, and a basic understanding of the personnel management function. Classroom instruction is related to the student's job experience.

204. *Directed Occupational Training*. Second semester; two credits—refer to Retailing 103, 104 for course description.

205. *Product Knowledge*. First semester; lectures three hours; three credits.

A study of materials used, construction, care and government regulations of various types of merchandise such as textiles, chinaware, glassware, silverware, leather, jewelry, furniture, and other types of home furnishings. Values and quality standards for the consumer are stressed.

336. *Retail Store Organization and Operation*. First semester; lectures three hours; three credits.

The importance, problems and requirements of retail stores are explored: the financing, organizing, selecting location, building, layout, establishing policies of personnel, pricing, promotion, credit, control, and recordkeeping. Students work on all stages in the planning and operation of a retail store.

337. *Retail Sales Promotion*. Second semester; lectures three hours; three credits.

The scope and activities of sales promotion in retail stores with emphasis on coordination of advertising, display, special events, and publicity. External and internal methods of promoting business, budgeting, planning, and implementing the plan.

338. *Buying Procedures and Problems*. First semester; lectures three hours; three credits.

A study of problems involving initial markup, maintained markup, retail method of inventory, turnover, profit, stock to sales ratios and their application to the buyer's job. Dollar and unit planning, unit control, model stocks, merchandise selection, pricing, and market procedures are emphasized and practiced with projects.

395. *Elementary Topics in Retailing*. Both semesters; lectures three hours; three credits. Prerequisite: Declared major in Retailing or permission of the instructor.

Presentation and discussion of recent trends and current problems of the retail industry. The seminar topics will represent student interest.

No student may enroll more than twice for credit.

Sociology

The student majoring in sociology may choose one of two plans to follow. Either plan requires a minimum of thirty-three credit hours.

These are:

1. For those interested in studying sociology to broaden their understanding of the nature of human society, as a part of a liberal education. Courses should include Sociology 391, *Social Statistics*; Sociology 392, *Methods of Social Research*; and either Sociology 490, *Senior Seminar in Sociology* or Sociology 492, *Independent Research*. Twenty-four credit hours above the 200 level must be presented for the major.

2. For those planning careers in community service, such as social welfare, probation, community action programs or graduate work in social work. For the requirements of this plan, refer to section SOCIAL WORK SEQUENCE.

Sociology 200 is prerequisite for any further course in sociology except 203, 204, and 361. Students choosing to elect sociology to satisfy the social science distribution requirement should take Sociology 200 plus any additional 200-level sociology course.

200. *Introduction to Sociology*. Each semester; lectures three hours; three credits.

An introduction to the study of human society including concepts of culture, socialization, role and status, stratification, social organization, institutions, social change.

203. *Introduction to Anthropology*. First semester; lectures three hours; three credits. No prerequisite.

An introduction to the field of anthropology. Particular attention will be given to the problems of human origins and development, both physical and cultural.

204. *Cultural Anthropology*. Second semester; lectures three hours; three credits. No prerequisite.

The application of the concept of culture to the study of contemporary societies, both pre-industrial and modern. Such institutional areas as magic and ritual; crime, custom, and law; economy; courtship, marriage and family patterns will be analyzed cross-culturally.

220. *Social Problems*. Lectures three hours; three credits.

A survey of social problems such as race, crime, urban conditions, poverty; social consequences of rapid technological change. The analytical perspective is sociological, stressing concepts and theories such as social pathology, value conflict, social disorganization, deviant behavior.

222. *Marriage and the Family*. Lectures three hours; three credits.

Study of the American family structure in comparison with other selected cultures. Interrelation of the family institution to other parts of the social structure. Analysis of American courtship, marriage, and family relationships.

225. *Racial and Cultural Minorities*. Lectures three hours; three credits.

A study of minority problems and race issues in the modern world; problems of integration; trends of change.

304. *Socialization and Society*. Second semester; lectures three hours; three credits.

Emphasis will be on the generic process by which individuals become members of society. Consideration of the impact of family, sex, race, socio-economic class on socialization and personality. Will include cross-cultural comparisons.

319. *Deviant Behavior*. First semester; lectures three hours; three credits.

An analysis of deviant behavior, including such areas as mental illness, suicide, alcohol and drug addiction, and sexual deviancy.

321. *Crime and Delinquency*. First semester; lectures three hours; three credits.

The nature and extent of crime and delinquency; emphasis upon contemporary theories of causation.

322. *Sociology of Corrections*. Second semester; lectures three hours; three credits.

Examines the social structure of agencies of control of crime, such as the police, the courts, prisons and other correctional institutions, and the probation and parole systems. Emphasis will be placed upon the interrelationship of the differential power of the various social classes and the differential application of criminal definitions and disposition of cases. Includes field trips to appropriate agencies and institutions.

361. *Population Analysis*. First semester; lectures three hours; three credits. No prerequisite.

Analysis of population growth, distribution, rates of birth, death, and migration; the bio-social and sociocultural composition of the population. Sources of data, techniques, and methods of analysis.

367. *The Social Welfare Institution*. First semester; lectures three hours; three credits.

History, philosophy and issues of the social welfare system. Study of the relationship of welfare to industrialization, urbanization, and to the other institutions of the society.

391. *Social Statistics*. First semester; lectures three hours; three credits.

The use of sociological data to demonstrate and calculate measures of central tendency and variation; parametric and non-parametric measures of association; problems of statistical inference and estimation. Will include use of the computer.

392. *Methods of Social Research*. Second semester; lectures three hours; three credits. Prerequisite: Sociology 391.

Topics covered include differentiation between values and hypotheses, the logic of causal analysis, and the descriptions of, and practice in using current sociological techniques.

395. *Elementary Topics in Sociology*. Lectures three hours; three credits. A maximum of six credits may be offered for credit in the major.

Topics will vary and may be interdisciplinary.

421. *Social Theory*. First semester; lectures three hours; three credits. (Offered alternate years. Not offered 1973-74.)

The development of sociological thought during the nineteenth and twentieth centuries. Current writings in sociological theory.

422. *Social Stratification*. Second semester; lectures three hours; three credits.

Analysis of social structure and stratification in terms of class, status, rank, and function.

426. *Black-White Relations*. Second semester; lectures three hours; three credits.

Institutional and demographic variations among black and white Americans examined in a context of ideological as well as structural change; consequences of racial prejudice and discrimination for black personality and social structure. Special attention will be devoted to the patterns of urbanization among black Americans.

431. *Urban Sociology*. First semester; lectures three hours; three credits.

Consideration of urban structures from both the ecological and social perspectives. Analysis of urban trends and problems.

432. *Industrial Sociology*. Second semester; lectures three hours; three credits.

The sociological study of industrialization with emphasis on industrial bureaucracy, major industrial work roles, the work group, and union-management relations.

490. *Senior Seminar in Sociology*. Three credits. Open to majors of senior standing and to seniors in related majors by permission of instructor.

491. *Readings in Sociology*. Each semester; three credits.

In-depth reading in a chosen subject under the direction of a staff member. Subject must be decided upon and permission of instructor secured before registration, as number will be limited.

492. *Independent Research*. Second semester; three credits. Prerequisites: completion of Sociology 391, 392, and senior standing. Students who intend to take 492 are advised to enroll in 491 the first semester to read in the area of proposed research.

495. *Advanced Topics in Sociology*. Lectures three hours; three credits. A maximum of six credits may be offered in the major.

Topics will vary and may be interdisciplinary.

Social Work Sequence

An independent degree in undergraduate social work is not offered. Students who fulfill degree requirements in sociology, psychology, or

political science may, by completing the sequence requirements, meet the standards for a B.A. level social worker in the state of Virginia. Students meeting these conditions will also satisfy the criteria set forth by the National Council on Social Work Education. All students who wish to work toward certification in social work must register intent and have program approval from sequence adviser.

Sequence Requirements:

Sociology.

Sociology 200 is a prerequisite for all of the following sociology courses:

Nine hours chosen from 220, 222, 225, 319, 321 (Special topics, readings or seminars may be substituted as appropriate.)

Psychology.

Psychology 201, 203

Three hours chosen from 307, 308, 309 (Sociology majors may elect 307 followed by Sociology 304.)

Six hours chosen from 303, 304, 313, 403 (Special topics, readings, or seminars may be substituted as appropriate.)

Social Work.

Sociology 367. *The Social Welfare Institution*.

Sociology 368. *Community Analysis*.

Sociology 467. *Introduction to Social Work*.

Sociology 468. *Field Placement in Social Work*.

Sociology 480. *Topical Seminar in Social Work*. (recommended but not required)

Courses Recommended for Sequence Students:

Political Science 221, 363

Economics 201, 202

367. *The Social Welfare Institution*. First semester; lectures three hours; three credits.

History, philosophy, and issues of the social welfare system. Study of the relationship of welfare to industrialization, urbanization, and to the other institutions of society. Students working toward sequence completion must participate in 25 field hours as a portion of the course.

368. *Community Analysis*. Second semester; lectures three hours; lab two hours; three credits. Prerequisite: Sociology 367.

Methods and techniques for the study of the urban community for the social worker.

467. *Introduction to Social Work*. First semester; lectures three hours; three credits. Prerequisites: Sociology 367 and 368.

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Social work in urbanized society. Emphasis on evolving philosophy and techniques of casework, group work, and community organization.

468. *Field Placement in Social Work*. Each semester; three credits. Prerequisites: Sociology 367, 368, and 467 (or concurrently with 467).

Field experience with directed engagement in social service activities and evaluation of same. A minimum of 100 field hours is required. A student must announce his intent to enroll in the practicum at least one month before the semester begins.

480. *Topical Seminar in Social Work*. Second semester; three credits. Prerequisites: Sociology 367, 368, and 467.

Seminar in selected topics pertinent to social work.



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