

VOL. VII. No. 1.

JUNE, 1913.

Bulletin of the
College of
William and Mary

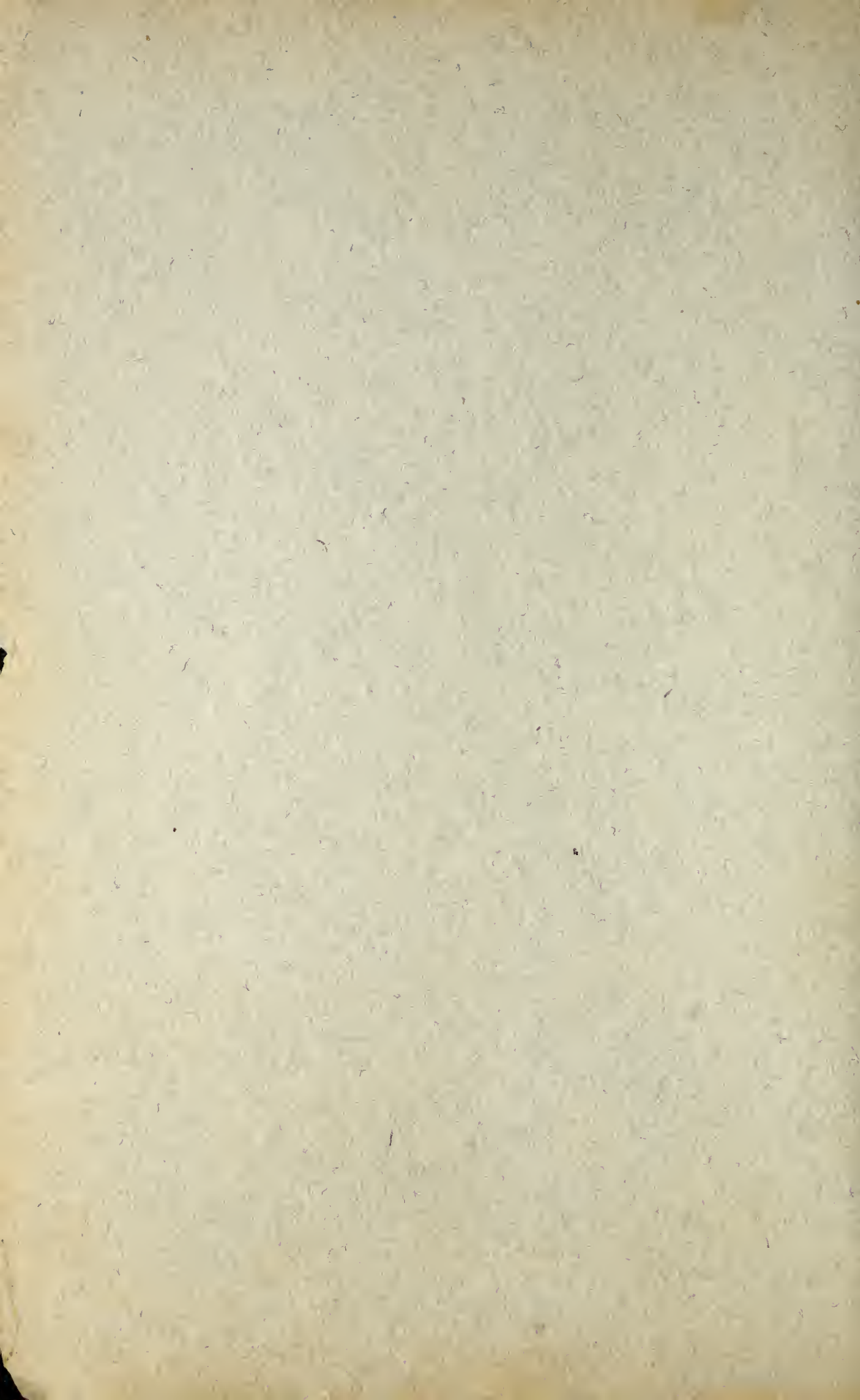
Catalogue 1912-1913




ANNOUNCEMENTS 1913 - 1914

Two Hundred and Twentieth Year

Williamsburg, Virginia.





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COLLEGE OF WILLIAM AND MARY.

VOL. VII. No. 1.

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College of
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ANNOUNCEMENTS 1913 - 1914

Two Hundred and Twentieth Year

(Entered at the Post-Office in Williamsburg as second-class matter.)

JULY, 1912							AUGUST, 1912							SEPTEMBER, 1912											
Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S					
--	1	2	3	4	5	6	--	--	--	--	1	2	3	1	2	3	4	5	6	7					
7	8	9	10	11	12	13	4	5	6	7	8	9	10	8	9	10	11	12	13	14					
14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	18	19	20	21					
21	22	23	24	25	26	27	18	19	20	21	22	23	24	22	23	24	25	26	27	28					
28	29	30	31	--	--	--	25	26	27	28	29	30	31	29	30	--	--	--	--	--					
OCTOBER, 1912							NOVEMBER, 1912							DECEMBER, 1912											
Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S					
--	1	2	3	4	5	6	--	--	--	--	1	2	3	1	2	3	4	5	6	7					
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14					
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21					
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28					
27	28	29	30	31	--	--	24	25	26	27	28	29	30	29	30	31	--	--	--	--					
JANUARY, 1913							FEBRUARY, 1913							MARCH, 1913											
Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S					
--	5	6	7	1	2	3	4	--	2	3	4	5	6	7	1	8	--	2	3	4	5	6	7	1	
12	13	14	15	16	17	18	9	10	11	12	13	14	15	9	10	11	12	13	14	15					
19	20	21	22	23	24	25	16	17	18	19	20	21	22	16	17	18	19	20	21	22					
26	27	28	29	30	31	--	23	24	25	26	27	28	--	23	24	25	26	27	28	29					
26	27	28	29	30	31	--	23	24	25	26	27	28	--	30	31	--	--	--	--	--					
APRIL, 1913							MAY, 1913							JUNE, 1913											
Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S					
--	6	7	8	9	10	11	12	--	4	5	6	7	8	9	10	1	2	3	4	5	6	7			
13	14	15	16	17	18	19	11	12	13	14	15	16	17	8	9	10	11	12	13	14					
20	21	22	23	24	25	26	18	19	20	21	22	23	24	15	16	17	18	19	20	21					
27	28	29	30	--	--	--	25	26	27	28	29	30	31	22	23	24	25	26	27	28					
27	28	29	30	--	--	--	25	26	27	28	29	30	31	29	30	--	--	--	--	--					
JULY, 1913							AUGUST, 1913							SEPTEMBER, 1913											
Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S					
--	6	7	8	9	10	11	12	--	3	4	5	6	7	1	2	--	7	8	9	10	11	12	13		
13	14	15	16	17	18	19	10	11	12	13	14	15	16	14	15	16	17	18	19	20					
20	21	22	23	24	25	26	17	18	19	20	21	22	23	21	22	23	24	25	26	27					
27	28	29	30	31	--	--	24	25	26	27	28	29	30	28	29	30	--	--	--	--					
27	28	29	30	31	--	--	31	--	--	--	--	--	--	28	29	30	--	--	--	--					
OCTOBER, 1913							NOVEMBER, 1913							DECEMBER, 1913											
Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S					
--	5	6	7	1	2	3	4	--	2	3	4	5	6	7	1	8	--	1	2	3	4	5	6		
12	13	14	15	16	17	18	9	10	11	12	13	14	15	7	8	9	10	11	12	13					
19	20	21	22	23	24	25	16	17	18	19	20	21	22	14	15	16	17	18	19	20					
26	27	28	29	30	31	--	23	24	25	26	27	28	29	21	22	23	24	25	26	27					
26	27	28	29	30	31	--	30	--	--	--	--	--	--	28	29	30	31	--	--	--					
JANUARY, 1914							FEBRUARY, 1914							MARCH, 1914											
Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S					
--	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	5	6	7	1	2	3	4	5	6	7
11	12	13	14	15	16	17	18	8	9	10	11	12	13	14	8	9	10	11	12	13	14				
18	19	20	21	22	23	24	25	15	16	17	18	19	20	21	15	16	17	18	19	20	21				
25	26	27	28	29	30	31	--	22	23	24	25	26	27	28	22	23	24	25	26	27	28				
25	26	27	28	29	30	31	--	--	--	--	--	--	--	--	29	30	31	--	--	--	--				
APRIL, 1914							MAY, 1914							JUNE, 1914											
Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S	Su	M	Tu	W	Th	F	S					
--	5	6	7	1	2	3	4	--	3	4	5	6	7	1	2	--	7	8	9	10	11	12	13		
12	13	14	15	16	17	18	10	11	12	13	14	15	16	4	5	6	7	8	9	10					
19	20	21	22	23	24	25	17	18	19	20	21	22	23	11	12	13	14	15	16	17					
26	27	28	29	30	--	--	24	25	26	27	28	29	30	18	19	20	21	22	23	24					
26	27	28	29	30	--	--	31	--	--	--	--	--	--	25	26	27	28	29	30	31					

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Calendar of Exercises and Holidays, 1913-1914

First Term Begins.....	Thursday, September 18th
Thanksgiving Day.....	Thursday, November 27th
Christmas Vacation.....	Begins 4 P. M. Tuesday, December 23d
Exercises Resumed.....	Monday 8:45 A. M., January 5th
Birthday of General Lee.....	Monday, January 19th
Intermediate Examinations.....	Close Saturday, January 31st
Beginning of Second Term.....	Monday, February 2nd
Birthday of General Washington.....	Sunday, February 22nd
Easter Recess.....	Begins 4 P. M., Thursday, April 9th
Exercises Resumed.....	8:45 A. M., Tuesday, April 14th
Jamestown Day.....	Wednesday, May 13th
Final Examinations.....	Close Saturday, June 6th
Baccalaureate Sermon.....	Sunday, June 7th
Final Celebrations of the Literary Societies.....	June 8th-9th
Alumni Day.....	Wednesday, June 10th
Closing Exercises of the Session.....	Thursday, June 11th

PART I.

OFFICERS AND STUDENTS

HOLDERS OF SCHOLARSHIPS

DEGREES CONFERRED, 1911-1912

HISTORY

GROUNDS AND BUILDINGS

Board of Visitors

**The Rector of the College,
ROBERT MORTON HUGHES.**

The Visitors of the College

HON. JAMES NEW STUBBS, Vice-Rector,
Woods X Roads, Gloucester County, Virginia.

HON. WILLIAM MUNFORD ELLIS,
Shawsville, Montgomery County, Virginia.

HON. JOSEPH HOWARD CHITWOOD,
Roanoke, Virginia.

HON. JAMES ROBERT JORDAN,
Smithfield, Virginia.

WILLIAM CHURCHILL LYONS TALIAFERRO, Esq.,
Hampton, Virginia.

ROBERT MORTON HUGHES, Esq.,
Norfolk, Virginia.

HON. THOMAS H. BARNES,
Suffolk, Virginia.

ISAAC PATRICK KANE,
Gate City, Virginia.

HON. MANLY HOWELL BARNES,

New Kent, Virginia.

JOSEPH METTAUER HURT, Esq.,

Blackstone, Virginia.

The State Superintendent of Public Instruction,

HON. R. C. STEARNES, ex-officio,

Richmond, Virginia.

The Secretary of the Visitors,

LEVIN WINDER LANE, Jr.,

Williamsburg, Virginia.

Officers of Instruction and Administration

PRESIDENT AND MASTERS, OR PROFESSORS,
1912-1913.

LYON GARDINER TYLER, M. A., LL. D.,
President.

JOHN LESSLIE HALL, Ph. D.,
Dean of the Faculty.

LYON GARDINER TYLER, M. A., LL. D.,
Professor of Politics and Economics.

JOHN LESSLIE HALL, Ph. D.,
Professor of the English Language and Literature.

THOMAS JEFFERSON STUBBS, A. M., Ph. D.,
Professor of Mathematics.

VAN FRANKLIN GARRETT, A. M., M. D.,
Professor of Chemistry.

JOHN WOODSIDE RITCHIE, A. B.,
Professor of Biology.

RICHARD McLEOD CRAWFORD, A. M.,
Professor of Drawing and Manual Arts.

HENRY EASTMAN BENNETT, A. B.,
Professor of Education and Associate Professor of Philosophy and Supervisor
of the Observation and Training School.

WILLIAM HOUSTON KEEBLE, B. S.,

Professor of Physics.

JAMES SOUTHALL WILSON, M. A., Ph. D.,

Professor of History and Associate Professor of the English Language and
Literature.

JOHN CALDWELL CALHOUN, M. A., D. Lit., LL. D.,

Professor of Modern Languages.

GEORGE OSCAR FERGUSON, Jr., M. A.,

Professor of Philosophy and Associate Professor of Education.

WESTLEY PLUMMER CLARK, M. A.,

Professor of Latin and Greek.

WILLIAM JAMES YOUNG, M. D.,

Director of Athletics and College Physician.

JOHN TYLER, A. M.

Adjunct Professor of Mathematics.

AMOS RALPH KOONTZ, A. M.

Assistant in Biology.

CHARLES CHAPMAN SNOW, B. S.,

Assistant in Chemistry.

DOUGLAS MERIWETHER GRIGGS,

Laboratory Assistant in Physics.

ABRAHAM ALEXANDER BRODOWSKY,

Laboratory Assistant in Chemistry.

OFFICERS OF ADMINISTRATION.

LYON GARDINER TYLER, M. A., LL. D.,

President of the College.

JOHN LESSLIE HALL, Ph. D.,

Dean of the College.

HERBERT LEE BRIDGES, A. B.,

Registrar of the College and Secretary to the Faculty.

EMILY PRYOR CHRISTIAN.

Librarian and Secretary of the College.

LEVIN WINDER LANE, Jr.,

Treasurer of the College and Secretary to the Board of Visitors.

MARY ANNE MORECOCK,

Secretary to the President.

Administrative Committees of the Faculty

The President is "Ex-officio" Chairman of all Committees.

I. Entrance Examinations and Student Supervision,
PROFESSORS RITCHIE, WILSON, KEEBLE, STUBBS, CLARK.

II. Student Activities.
PROFESSORS KEEBLE, WILSON, CRAWFORD.

III. Public Activities and Publicity,
PROFESSORS CALHOUN, GARRETT, FERGUSON.

IV. Schedule, Curriculum and Degrees,
PROFESSORS HALL, KEEBLE, CLARK.

V. Library,
PROFESSORS BENNETT, CALHOUN, WILSON.

VI. Recommendations and Self-Help.
PROFESSORS GARRETT, BENNETT, RITCHIE.

VII. Normal Academy.
PROFESSORS WILSON, BENNETT, FERGUSON.

VIII. Catalogue,
PROFESSORS KEEBLE, WILSON, HALL.

Holders of Scholarships

1912-1913.

- The Graves Scholarship*—ABRAHAM BRODOWSKY.
The Corcoran Scholarship—CHARLES HARMON SCHEPMOES.
The Chancellor Scholarship—HERMAN LEE HARRIS.
The Bennett Scholarship—VICTOR E. G. EMERY.
The Soutter Scholarship—PERCY LEWIS WITCHLEY.
-

Degrees Conferred

June, 1912.

Master of Arts.

FREDERICK DEANE GOODWIN

Bachelors of Arts.

- GEORGE PRINCE ARNOLD.....Waverly, Va.
 WADE THOMAS BROWN.....Culpeper, Va.
 WILLIAM HANSEN DEIERHOI.....Highland Springs, Va.
 WILLIAM KAVANAUGH DOTY.....Richmond, Va.
 ALAN FRED. ENGLISH.....Shamokin, Pa.
 THOMAS HENLEY GEDDY.....Williamsburg, Va.
 FREDERICK DEANE GOODWIN.....Ashland,¹Va.
 JOSEPH FARLAND HALL.....Williamsburg, Va.
 ROBERT BRUCE JACKSON.....Keswick, Va.
 WILLIAM HANEY NEBLETT.....Kinderwood,²Va.
 JAMES HERMAN SUMMERS.....Round Hill, Va.
 EDWARD ROANE WILLCOX.....Norfolk, Va.

Bachelors of Science.

HERBERT ROGERS ETHERIDGE.....	Norfolk, Va.
EDWIN LE BARON GOODWIN.....	Ashland, Va.
JOHN YOUNG MASON.....	Masons, Va.
CHARLES CHAPMAN SNOW.....	Wicomico Church, Va.

Teacher's Diploma.

WADE THOMAS BROWN.....	Culpeper, Va.
JAMES DAVID CLEMENTS.....	Ordinary, Va.
CHARLES HUNTER HAMLIN.....	Burkeville, Va.
WILLIAM BYRD LEE.....	Gloucester, Va.
JOHN YOUNG MASON.....	Masons, Va.
WAYNE CARR METCALF.....	Williamsburg, Va.
CHALES CHAPMAN SNOW.....	Wicomico Church, Va.
ISAAC JONES STANLEY.....	Mayberry, Va.
JAMES HERMAN SUMMERS.....	Round Hill, Va.
JOHN LEWIS TUCKER.....	Merry Mount, N. C.

Register of College Students

1912-1913.

Addington, Ray Rufus.....	Ridgeville, Ind.
Addison, William Strange.....	Eastville, Northampton Co., Va.
Agee, Kenneth Arnold.....	Hilton's, Scott Co., Va.
Allender, Charles Webster.....	Ridgeville, Ind.
Armistead, Meriweather Irving.....	Williamsburg, Va.
Bane, Edward.....	R. F. D., Roanoke, Va.
Barnes, Franklin Mason.....	Williamsburg, Va.
Barnes, James Foster.....	Amelia, Va.
Beale, Alvin Francis.....	Portsmouth, Va.
Bennett, Burke Douglass.....	Chatham, Pittsylvania Co., Va.
Bennett, Louis Amos.....	Stormont, Middlesex Co., Va.
Bennington, Seth.....	Camp, Smyth Co., Va.
Blitzer, Max.....	Brooklyn, N. Y.
Brodowsky, Abraham Alexander.....	Brooklyn, N. Y.
Brooks, Gardiner Tyler.....	Williamsburg, Va.
Caldwell, George Thornhill.....	Concord Depot, Campbell Co., Va.
Campbell, Hugh Alexander, Jr.,.....	Mulberry Island, Warwick Co., Va.
Carter, Harry Lee.....	R. F. D. 1, Danville, Va.
Cato, John Henry, Jr.....	Emporia, Greensville Co., Va.
Charles, Benton Crooks.....	Dare, York Co., Va.
Combs, Robert Lincoln.....	Jonesville, Lee Co., Va.
Cooke, Francis West.....	Gloucester, Va.
Cooper, Alvin Carle.....	Washington, D. C.
Cox, Reginald Francis.....	Alexandria, Va.
Dameron, Wilbur Robbins.....	Kinsale, Westmoreland Co., Va.
Davis, Sylvan Theron.....	Rose Hill, Lee Co., Va.
Deacon, Elmer Hanger.....	R. F. D., 2, Lexington, Va.
Deal, Roy Chetwood.....	Norfolk, Va.
Deel, William Oscar.....	Dante, Dickinson Co., Va.
Deierhoi, William Hansen.....	Highland Springs, Henrico Co., Va.
Drewry, Walter Leslie.....	Wakefield, Sussex Co., Va.
Duke, William James.....	Tappahannock, Essex Co., Va.
Echols, Floyd Leslie.....	Seven Mile Ford, Smyth Co., Va.
Emery, Victor E. G.....	Kinsman, Ohio
Ferguson, William Cross.....	Leesburg, Loudoun Co., Va.
Frey, Oliver Walter.....	Allentown, Pa.
Gale, Joseph Bronson.....	Bobs, Isle of Wight Co., Va.
Games, Lemuel Francis.....	Norfolk, Va.

Garland, Andrew Leckie.....	Warsaw, Richmond Co., Va.
Garnett, Frank McCall.....	Buckingham, Va.
Garth, Bernard Allen.....	Ivy Depot, Albemarle Co., Va.
Givens, Emmett Edmonson.....	Newport, Giles Co., Va.
Goode, Gordon Murray.....	Boydton, Mecklenburg Co., Va.
Graefe, Arthur Marshall.....	Harpersville, Warwick Co., Va.
Griggs, Douglas Meriwether.....	Big Island, Bedford Co., Va.
Guy, Vernon Lawrence.....	Portsmouth, Va.
Hamilton, Henry Rufus.....	Nickelsville, Scott Co., Va.
Harris, Herman Lee.....	Coeburn, Wise Co., Va.
Harris, William Durham.....	Virgilina, Halifax Co., Va.
Hedrick, John Wilmer.....	Bane, Giles Co., Va.
Hogan, Edward Joseph.....	Manati, P. R.
Holler, Carl Wise.....	Terre Haute, Ind.
Horne, John Robert.....	Sugar Grove, Smyth Co., Va.
Hubbard, Sam Hildreth, Jr.....	Forest Depot, Bedford Co., Va.
Huffines, John Davis.....	Reidsville, N. C.
James, Arthur Wilson.....	Bedford City, Va.
James, Edwin Ralph.....	Dendron, Surry Co., Va.
Jennings, Clarence.....	Hickory, Norfolk Co., Va.
Jennings, Nathaniel Hall.....	Toano, James City Co., Va.
Jones, Hugh Howard.....	Williamsburg, Va.
Jones, Lewis, Jr.....	Urbanna, Middlesex Co., Va.
Krise, Arba Talmon.....	Waynesboro, Va.
Kyle, Zelma Talmage.....	Galax, Carroll Co., Va.
Leach, Edgar Alutus.....	Chase City, Mecklenburg Co., Va.
Lewis, Henry Martin.....	Naola, Amherst Co., Va.
Lewis, Edward Stuart.....	Bristol, Tenn.
Lewey, Frank Allen.....	White Gate, Giles Co., Va.
McAllister, James Rowan.....	Norfolk, Va.
Maffette, Raymond.....	Leesburg, Loudoun Co., Va.
Major, Everett Waverly.....	Stormont, Middlesex Co., Va.
Massey, John William.....	Newport News, Va.
Metcalf, Wayne Carr.....	Williamsburg, Va.
Metcalf, William Franklin.....	Williamsburg, Va.
Moore, John Dameron, Jr.....	Portsmouth, Va.
Moss, Peyton Harriss.....	Buckingham, Va.
Muncaster, Charles Ashley.....	Norfolk, Va.
Neale, Thomas Sherman.....	Heathsville, Northumberland Co., Va.
Nourse, Walter Burton.....	Casanova, Fauquier Co., Va.
O'Neill, John Brooks.....	New London, Conn.
Outland, Grover Cleveland.....	Boaz, Isle of Wight Co., Va.
Palmer, Richard Otis.....	Urbanna, Middlesex Co., Va.
Parker, Henry Godwin.....	Portsmouth, Va.
Peachy, Bathurst Dangerfield.....	Williamsburg, Va.
Petty, Wilbur Edson.....	Peru, Ind.

Pierce, Alfred Kerkley, Jr.	Capron, Southampton Co., Va.
Renick, Charles Clark	Callaway, Franklin Co., Va.
Rosenbalm, Robert Lee	Rose Hill, Lee Co., Va.
Sawyer, Walter Lee	Disputanta, Pr. Geo. Co., Va.
Scheie, Leif Ericson	Williamsburg, Va.
Schepmoes, Charles Harmon	Union Mills, Fluvanna Co., Va.
Schlabach, Chester Daniel	Cromwell, Ind.
Scott, Charles Alexander	Brookneal, Campbell Co., Va.
Scott, Howard Cecil	Route 2, Lexington, Va.
Shackelford, Wilburn Stephen	Richmond, Va.
Shelhorse, James Byron	Chatham, Pittsylvania Co., Va.
Shiers, Winfield	Lawrence, Mass.
Shockley, Noan	Sylvatus, Carroll Co., Va.
Smith, Robert Guy, Jr.	Urbanna, Middlesex Co., Va.
Smyth, Arlington Raymond	Pennington Gap, Lee Co., Va.
Somers, Wilson Edward	Bloxom, Accomac Co., Va.
Spindle, William Henry	Christiansburg, Montgomery Co., Va.
Stephens, James Warren	Wicomico Church, Northumberland Co., Va.
Stone, Webster Thompson	Ordsburg, Brunswick Co., Va.
Taylor, John Eldredge	Chase City, Mecklenburg Co., Va.
Taylor, Preston Philips	Urbanna, Middlesex Co., Va.
Thomas, Earl Baldwin	New York, N. Y.
Tilley, Thomas Chapman	Norfolk, Va.
Tucker, Arthur Peoples	Merry Mount, N. C.
Tucker, John Lewis	Merry Mount, N. C.
Turner, Henry Atwill	Lynchburg, Va.
Turpin, Edward Henry	Boynton, Mecklenburg Co., Va.
Van Horne, Harry Randall	Wheeling, W. Va.
Walton, Leon Jerl	Pendleton's, Louisa Co., Va.
Warburton, Robert Clarence	Lightfoot, James City Co., Va.
Warrington, Frank Marion	Driver, Nansemond Co., Va.
Watts, Cecil Everett	Saluda, Middlesex Co., Va.
Wells, Edward Brent	Va. Beach, Pr. Anne Co., Va.
White, Fitzhugh Lee	Pulaski, Va.
Wilkinson, Thomas Eppa	Olo, Lunenburg Co., Va.
Williams, Harvey Page	Brookneal, Campbell Co., Va.
Winsbro, William	R. F. D. 1, Front Royal, Va.
Witchley, Percy Lewis	Camden, N. Y.
Woltz, Charles Roderick	Eagle Rock, Botetourt Co., Va.
Womack, Hugh Leonard	Vernon Hill, Halifax Co., Va.
Woods, Bittle Winfred	Pearisburg, Giles Co., Va.
Woodson, Wilbert Tucker	Crozet, Albemarle Co., Va.
Wright, John Halpin	R. F. D. 4, Richmond, Va.
Wright, Ernest Linwood	Tappahannock, Essex Co., Va.
Zehmer, George Baskerville	McKenney, Dinwiddie Co., Va.
Zion, William Earl	Pennington Gap, Lee Co., Va.

Register of Academy Students

1912-1913.

Addison, Edward.....	Eastville, Northampton Co., Va.
Adams, William Carson.....	Blackstone, Nottaway Co., Va.
Agee, James Lawrence, Jr.....	Teddy, Scott Co., Va.
Barnett, Rowland David.....	Barnett's, Charles City Co., Va.
Bolling, Alonzo.....	Flat Gap, Wise Co., Va.
Booth, Roy Piruus.....	Middletown, Frederick Co., Va.
Booth, George Wythe.....	Middletown, Frederick Co., Va.
Bradshaw, Joel Jacob.....	Carrsville, Isle of Wight Co., Va.
Brent, William Seymour.....	Heathsville, Northumberland Co., Va.
Brown, Harry McChesney.....	Leesburg, Loudoun Co., Va.
Burford, Edward Scott.....	Waugh, Bedford Co., Va.
Burke, Charles Edward.....	Front Royal, Warren Co., Va.
Butler, Clifford James.....	Bayville, N. J.
Carmines, Daniel Henry.....	Odd, York Co., Va.
Clary, Hugh Valentine.....	R. F. D., Disputanta, Pr. Geo. Co., Va.
Cole, Robert Read.....	Williamsburg, Va.
Corbell, John David.....	Newport News, Va.
Crider, David Raleigh.....	Dovesville, Rockingham Co., Va.
Crockett, Cecil Clinton.....	Waterview, Middlesex Co., Va.
Davis, John Andrew Gardner, Jr.....	Greenwood, Albemarle Co., Va.
DeLaney, James Melvin.....	Bristol, Tenn.
Doss, Rob Roy.....	Drakes Branch, Charlotte Co., Va.
Early, Frank Purver.....	Glade Spring, Washington Co., Va.
Elcan, Paul Barringer.....	Sheppards, Buckingham Co., Va.
Fletcher, William Roy.....	Dot, Lee Co., Va.
Forbes, Charles William.....	Farmville, Va.
Forbes, Rodman Dibrew.....	Farmville, Va.
Gaulding, Hardy Munford.....	Meherrin, Lunenburg Co., Va.
Geddy, George Ben.....	Williamsburg, Va.
Gilliam, Maxie Parker.....	Crittenden, Nansemond Co., Va.
Gray, Oscar Stanley.....	Saluda, Middlesex Co., Va.
Griffith, Julian Hungerford.....	Oak Grove, Westmoreland Co., Va.
Grimley, William Morgan.....	Van Dyke, Buchanan Co., Va.
Healy, Charles Waples.....	Mathews, Va.
Hogan, William.....	Malvern Hill, Charles City Co., Va.
Hubbard, Herman Reed.....	Forest Depot, Bedford Co., Va.
Hudson, John Guy.....	Thornhill, Orange Co., Va.

Hudson, Benjamin Harrison	Thornhill, Orange Co., Va.
Hutchison, Charles Sterling	Boydton, Mecklenburg Co., Va.
Jackson, Douglas Cary	Keswick, Albemarle Co., Va.
Jenkins, Floyd Franklin	Carrsville, Isle of Wight Co., Va.
Jones, William Henry	Holland, Nansemond Co., Va.
Jones, Joseph Thomas	Doe Hill, Highland Co., Va.
Jones, Elmer Roy	R. F. D, Yuma, Scott Co., Va.
Jones, Raymond Leslie	Saluda, Middlesex Co., Va.
Jones, Paul Monroe, Jr.	Sheppards, Buckingham Co., Va.
Joyce, Willie Lee	Shuff, Patrick Co., Va.
Land, Ashby Butt	Blackstone, Nottoway Co., Va.
Lacy, Theophilus Archibald	Williamsburg, Va.
Lawson, John Raymond	Hat Creek, Campbell Co., Va.
Leatherbury, Alonzo Taylor	Machipongo, Northampton Co., Va.
Lester, Walter Calahill	Stuart, Patrick Co., Va.
Lewis, Malachi Ruben	Naola, Amherst Co., Va.
Lipscomb, Herndon Terry	Tunstall, New Kent Co., Va.
Lohr, Durward Preston	Brightwood, Madison Co., Va.
Lupton, Thomas Allen	R. F. D., Bedford City, Va.
Maddox, Arthur Lee	Naruna, Campbell Co., Va.
Martin, Talmage	Providence Forge, New Kent Co., Va.
Mitchell, Howard Lisle	Callands, Pittsylvania Co., Va.
Monier, Edward Burns	Williamsburg, Va.
Moore, Robert William	Wyliesburg, Charlotte Co., Va.
Moore, Richard Aubrey	Tunstall, New Kent Co., Va.
Moss, Charles Westley	Tucker Hill, Westmoreland Co., Va.
Neblett, Sterling	Redlawn, Mecklenburg Co., Va.
Neblett, Robert Baskervill	Woodend, Lunenburg Co., Va.
Newton, Robert Murphy	Hague, Westmoreland Co., Va.
Nunnally, Samuel Logan	Petersburg, Va.
Ownbey, Arthur Dennis	Grundy, Buchanan Co., Va.
Palmer, Walter Cary, Jr.	Saluda, Middlesex Co., Va.
Peatross, Oscar Bruce	Axton, Henry Co., Va.
Petty, Oscar Viers	Louisa, Va.
Powers, Willie Andrew	Northwest, Norfolk Co., Va.
Prillaman, Henry Andrew	Callaway, Franklin Co., Va.
Pritchett, Harry Wooding	Wenonda, Pittsylvania Co., Va.
Ramey, William Barlow	Clinch, Scott Co., Va.
Rangeley, Clarence Herbert	Stuart, Patrick Co., Va.
Rash, David Orgain	Turner, Lunenburg Co., Va.
Reeve, Joseph Cooper	Williamsburg, Va.
Roane, Robley David	Cash, Gloucester Co., Va.
Robertson, Isaac Wiley	Callaway, Franklin Co., Va.
Savage, Leonard M.	Modesttown, Accomac Co., Va.
Scott, Elmon Lee	Holland, Nansemond Co., Va.

Settle, Thomas Henry.....	Flint Hill, Rappahannock Co., Va.
Simms, Henry Harrison.....	Thornhill, Orange Co., Va.
Smith, Jesse Fielding.....	Criglersville, Madison Co., Va.
Smith, Lee Emerson.....	Guinea Mills, Cumberland Co., Va.
Spriggs, Henry Lacy.....	White Stone, Lancaster Co., Va.
Stryker, Henry Morris.....	Grove, James City Co., Va.
Trice, John Barrett.....	Louisa, Va.
Webb, Nathaniel Jarrett.....	McClelland, Isle of Wight Co., Va.
Webb, James Duncan.....	McClelland, Isle of Wight Co., Va.
West, Willie Clyde.....	Vesta, Patrick Co., Va.
Weisel, Samuel Ries.....	Norfolk, Va.
Williams, Charles Edward.....	Birmingham, Ala.
Wood, Claude Reams.....	Wingina, Buckingham Co., Va.
Wood, Basil Manly.....	Fentress, Norfolk Co., Va.
Young, Jacob Morriss.....	Exmore, Northampton Co., Va.

Number of students in the college.....	130
Number of students in the Academy.....	97

Total.....	227
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College Students by Classes

Graduate Students.

Agee, Kenneth Arnold

Deierhoi, William Hansen

Class of 1913.

Brodowsky, Abraham Alexander

Metcalf, Wayne Carr

Carter, Harry Lee

Moore, John Dameron

Dameron, Wilbur Robbins

Schepmoes, Charles Harmon

Games, Lemuel Francis

Thomas, Earl Baldwin

Hubbard, Sam Hildreth

Warburton, Robert Clarence

James, Arthur Wilson

Witchley, Percy Lewis

Wright, John Halpin

Class of 1914.

Blitzer, Max

Scheie, Leif Ericson

Cato, John Henry, Jr.

Taylor, John Eldredge

Drewry, Walton Leslie

Tucker, John Lewis

Gale, Joseph Bronson

Turner, Henry Atwill

Hamilton, Henry Rufus

Winsbro, William

Holler, Carl Wise

Womack, Hugh Leonard

Class of 1915.

Addison, William Strange

Leach, Edward Alutus

Beale, Alvin Francis

Lewis, Henry Martin

Charles, Benton Crooks

McAllister, James Rowan

Cooke, Francis West

Metcalf, William Franklin

Cooper, Alvin Carl

Neale, Thomas Sherman

Deal, Roy Chetwood

Nourse, Walter Burton

Deel, William Oscar

Outland, Grover Cleveland

Duke, William James

Parker, Henry Goodwin

Emery, Victor E. G.

Peachy, Bathurst Dangerfield

Garland, Andrew Leckie

Renick, Charlie Clark

Griggs, Douglas Meriwether

Smith, Robert Guy

Harris, Herman Lee

Somers, Wilson Edward

Hogan, Edward Joseph

Taylor, Preston Philips

Horne, John Robert

Tilley, Thomas Chapman

Jennings, Clarence

Watts, Cecil Everett

Jones, Hugh Howard

Woltz, Charles Roderick

Jones, Lewis

Wright, Ernest Linwood

Class of 1916.

Addington, Ray Rufus	Maffette, Raymond
Allender, Charles Webster	Major, Everett Waverly
Armistead, Meriwether Irving	Massey, John William
Bane, Edward	Moss, Peyton Harriss
Barnes, Franklin Mason	Muncaster, Charles Ashley
Barnes, James Foster	O'Neill, John Brooks
Bennett, Burke Douglas	Palmer, Richard Otis
Bennett, Louis Amos	Petty, Wilbur Edson
Bennington, Seth	Pierce, Alfred Kerkley
Brooks, Gardiner Tyler	Rosenbalm, Robert Lee
Caldwell, George Thornhill	Sawyer, Walter Lee
Campbell, Hugh Alexander	Scott, Howard Cecil
Combs, Robert Lincoln	Scott, Charles Alexander
Cox, Reginald Francis	Shackelford, Wilbur Stephens
Davis, Sylvan Theron	Shelhorse, James Byron
Deacon, Elmer Hanger	Schlabach, Chester Daniel
Echols, Floyd Leslie	Shiers, Winfield
Ferguson, William Cross	Shockley, Noan
Frey, Oliver Walter	Smyth, Arlington Raymond
Garnett, Frank McCall	Spindle, William Henry
Garth, Bernard Allen	Stephens, James Warren
Givens, Emmett Edmonson	Stone, Webster Thompson
Goode, Gordon Murray	Tucker, Arthur Peoples
Graefe, Arthur Marshall	Turpin, Edward Henry
Guy, Vernon Lawrence	Van Horne, Harry Randall
Harris, William Durham	Walton, Leon Jerl
Hedrick, John Wilmer	Warrington, Frank Marion
Huffines, John Davis	Wells, Edward Brent
James, Edwin Ralph	White, Fitzhugh Lee
Jennings, Nathaniel Hall	Wilkinson, Thomas Eppa
Krise, Arba Talmon	Williams, Harvey Page
Kyle, Zelma Talmage	Woods, Bittle Winfred
Lewey, Frank Allen	Woodson, Wilbert Tucker
Lewis, Edward Stuart	Zehmer, George Baskerville
	Zion, William Earl

History

Chartered in 1693 by an English king and queen, and bearing their names, the College of William and Mary, fostered by royalty and the care of the Bishop of London, soon became associated with all the activities of early Virginia. Its dormitories bear the name of the English estate of the Brafferton in Yorkshire, on the one hand, and on the other the names of Virginia's distinguished sons, Ewell and Taliaferro. The president's house, accidentally destroyed by fire, was restored at the private cost of a king of France, and the statue of the popular royal governor, Lord Botetourt, still stands on a campus made sacred by the footsteps of the patriots, Washington, Jefferson, Marshall and Monroe.

The college lived on with a fair degree of success under its first president, Dr. James Blair, until October 29, 1705, when it was unfortunately burned. The work of teaching went forward in spite of this disaster, and in 1711, the college had been rebuilt upon the old walls; with the addition in 1723 of the new Brafferton building, which was at first used as the Indian School. Later the south wing was added to the college building for a chapel, in 1732, and in the same year the foundation of the president's house was laid.

President Blair, by whom the college had been chiefly founded and through whose abilities it had prospered, died in 1743; and the Professor of Moral Philosophy, Dr. William Dawson, succeeded him as president. It was during President Dawson's administration that George Washington received his appointment from the college as county surveyor for Fairfax. The next president was the historian of Virginia, William Stith, who came to the office after Dr. Dawson's death in 1752.

Through a checkered career, as full of strife as of usefulness, the college, with a faculty of seven, went on in her labors, training men for the important struggle that was to come. During

this period the presidents were Rev. Thomas Dawson, 1755-61; Rev. William Yates, 1761-64; Rev. James Horrocks, 1764-71; and Rev. John Camm, 1771-1777. During this latter period, Lord Botetourt in 1771 donated a number of medals to the college, which were the first to be awarded in America as collegiate prizes. On December 5, 1776, the famous Phi Beta Kappa, the first and most distinguished of all Greek letter fraternities, was founded by students of the college.

The character of the students of this early period of William and Mary's history may be judged by the influence of its alumni upon the making of the nation: three presidents of the United States attended classes at the college: Jefferson, Monroe and Tyler; and of these, two were students before the Revolution. Fifteen governors of Virginia were from these halls, and some of the most distinguished among them, Jefferson, Benjamin Harrison, the Randolphs and John Page, were of the early days. Four signers of the Declaration of Independence; and Marshall, Blair, Bushrod Washington and Philip P. Barbour, of the Supreme Bench, swell the honor roll of those bygone days. Many as the distinguished sons of the college in later years have been, no period in its history has equaled in results the pre-Revolutionary times.

Throughout the Revolution the college continued its exercises save for a short period at the time of the Yorktown campaigns, when Williamsburg became for a while almost the center of the Revolution. The president's house suffered by fire, after having been the headquarters of Lord Cornwallis. As it was burned during its occupation by the French, it was restored at their expense.

In 1777, Rev. James Madison was elected president, and under his energetic management the college entered upon a new era. At this time Thomas Jefferson became a member of the Board of Trustees of the college, and put into operation many of his educational ideas. The college was changed to a university, and schools of modern language and municipal law—the first of their kind in America—were introduced. A general lecture system was instituted and free election was permitted among the courses offered. The first principles of the honor

system may also be discerned at this time. George Wythe, the professor of law, and James McClurg, professor of medicine, vied with President Madison in distinction. Although President Madison became the first Bishop of the Episcopal Church in Virginia, the college never resumed its connection with the denomination after the Revolution.

President Madison died in 1812, having held the presidency since his twenty-eight year; and the college suffered another loss in the transference of Jefferson's patronage soon afterward to his projected university at Charlottesville. The first presidents who followed were, Rev. John Bracken, 1812-14; John Augustine Smith, M. D., 1814-1826; Rev. William H. Wilmer, 1826-27; Rev. Adam Empie, 1827-36, and Thomas R. Dew, 1836-46.

Under President Dew and a remarkably able Faculty, the attendance was increased to 140 in 1839, a larger number than had hitherto attended the college during any session. A brief period of internal strife was followed by a revival of strength and influence under Presidents Johns and Ewell. The presidents after Dew were Robert Saunders, 1846-7; Benjamin S. Ewell, 1848; Bishop John Johns, 1849-54, and B. S. Ewell, 1854-88. In 1859, the main building of the college was burned for the second time, and the precious contents of the library destroyed. The war brought a suspension of the work of the college in 1861, and during the civil strife the main building was destroyed by fire for the third time; not, however, as before, by accident, but at the hands of Federal soldiers.

The Federal Government reimbursed the college for this loss in 1893.

After the war, the college opened in 1865, with Colonel Benjamin S. Ewell again acting as president. An effort to remove the college to Richmond was defeated, and the burnt buildings were restored; but for financial reasons the work of the college was suspended from 1881 until 1888.

With the assistance of the State, there was a reorganization in 1888, with Lyon G. Tyler as president. A period of new life and usefulness was begun, and soon the college reached the most prosperous state in its history. In 1906, the college became

strictly a State institution, operated by a board appointed by the Governor of Virginia. Since the reopening of the college several new buildings have been erected and the number of professorships increased. A gymnasium, infirmary, science hall and library were built, and the working apparatus of every department is constantly being improved. The student body itself has increased in numbers, and is more satisfactorily prepared; the standard of requirements for entrance into college work and for the attainment of degrees has been materially raised. A spirit of wholesome growth and advancement is felt throughout the entire body-corporate of the institution.

The Grounds and Buildings

The buildings of the College of William and Mary are situated upon a triangular campus, which is shaded by a beautiful grove. The total area of the campus is thirty acres, the western portion of which is utilized principally for the athletic grounds, including a large enclosed park and tennis courts.

The main college building is the largest and oldest of the buildings and most of its walls are those of the original structure of 1693. In this are the lecture rooms used by the departments of English, Mathematics, Latin, Greek and Modern Languages, Philosophy and Education, and History; and the halls of the two literary societies and the study hall. The south wing of this building is the chapel, in which are many interesting portraits and tablets erected to the memory of distinguished alumni. The north wing is used by the department of Drawing and Manual Arts.

The remainder of the lecture rooms are situated in the Science Hall. The departments of Physics and Chemistry occupy the first floor. The north side, used for Chemistry, is divided into a lecture room, a laboratory, an apparatus room and a dark room. The Chemistry lecture room provides for seventy students; has modern folding seats with arm rests, slate blackboards, steam heat, water and electricity, lecture table, and cases for holding

chemical apparatus, ores and minerals. The chemical laboratory accommodates fifty-six students working together.

The department of Physics occupies three rooms on the south side of Science Hall, first floor. The laboratory is equipped with a good grade of apparatus that permits of accurate quantitative work. The equipment includes magnetometers, galvanometers of different types, resistance boxes of high grade, a fairly complete line of ammeters and voltmeters, spectrometers, polariscopes, and gratings. In the basement are located a good storage battery and motor-generator set. The laboratory is thus supplied with both direct and alternating current of wide range of voltage.

Biological laboratories are on the second floor, and are equipped with compound microscopes and other necessary apparatus. The location of the college gives the biological department the advantage of a rich and easily accessible supply of plant and animal forms for laboratory and field study.

On the second floor of this building are also the Faculty room, the Registrar's office and the lecture room used by the department of American History and Politics.

In front of the main building and facing on the grove, are the President's house and Brafferton Hall. The former was built in 1732, and has been the residence of the successive presidents of the institution. Brafferton Hall was built in 1723, and until 1793 accommodated the Indian school. Since the discontinuance of the Indian school, it has been used as a dormitory. Two other dormitories, the Ewell and Taliaferro Buildings, are situated on the south side of the main thoroughfare leading to Jamestown. On the first floor of the Ewell Building is the dining hall, which seats all the students in the college boarding department.

The Gymnasium Building, erected in 1901, has an excellent equipment, and is itself one of the best gymnasiums in the South. It is furnished with lockers for the use of the students, and has a bath room with tub, shower and spray baths. On the second floor is the room used by the Young Men's Christian Association of the college.

The Library Building, made possible by the generosity of

friends of the college, was completed in 1908. It contains twenty thousand volumes, many of them very rare. The building is of brick, with stone trimmings, is eighty feet in length by thirty feet in breadth, with the stack room on the north side. The library is open for the use of the students six hours each day and two hours each night.

The college has a commodious and well-ventilated infirmary. So good is the health of the students, however, that the building is little used, except as an office for the college physician, and for meetings of the Board of Visitors.

The college buildings are supplied with pure artesian water, distributed by pipes, and are heated by steam. All buildings and grounds are lighted by electricity. The new power and heating plant, erected at a cost of \$30,000, is one of the best in the state. Two boilers of one hundred horsepower each furnish steam heat for all the buildings and power for driving the two alternating current, fifty kilowatt dynamos.

The athletic field contains twenty-five acres, which lie back of the main building. It provides excellent facilities for outdoor sports. The baseball and football grounds have been recently enclosed by a close board fence, and a grandstand has been erected that will accommodate six hundred people. This addition to the athletic facilities of the college was due to the generosity of a close friend of the institution.

PART II.

ENTRANCE REQUIREMENTS

GOVERNMENT AND REGULATIONS

EXPENSES

HONORS AND DEGREES

ANNOUNCEMENT OF COLLEGIATE COURSES

College Entrance Requirements*

- I. AGE.—The applicant must be at least sixteen years of age.
- II. CHARACTER.—He must give satisfactory evidence of good moral character. *A certificate of honorable discharge from the last school attended must be presented.*
- III. PREPARATION.—He must show adequate preparation, either by taking an examination on the subjects required for admission as outlined fully below, or by presenting a certificate signed by the principal of a standard high school, or other institution of equal rank, showing the satisfactory completion of the necessary amount of work. All applicants for admission by certificate should carefully read the statement below entitled "Admission by Certificate."

The requirements for admission are defined in terms of units. *The unit should represent approximately one-fourth of a year's work of high school grade and should amount to five recitation periods per week of at least forty-five minutes each for a session of at least thirty-six weeks.*

FULL ADMISSION.

For full admission to the first year of the college the candidate must present fourteen units, of which *three* must be in English, *two and one-half* in Mathematics, and *one* in History. In addition to the above six and one-half units the candidate for the degree of Bachelor of Arts must present *three* units in Latin, and the candidate for the degree of Bachelor of Science must present *one* unit in science and either *two units* in Latin or *two* units in

*The College of William and Mary maintains a Normal Academy. The Academy offers three years of academic and normal instruction, which, correlated with and continued by two years of required work in the College make up the five years of the Normal Course for Teachers leading to the Teachers' Diploma. The Academy has its own corps of instructors and the work is separate from that of the College. For entrance requirements to the Normal Academy see page 106.

Modern Languages. The other *four and one-half* units may be selected from the list of "Subjects Accepted for Entrance" tabulated below.

CONDITIONED STUDENTS.

Candidates for admission who cannot present the fourteen units required for full admission will be admitted on *twelve* units, provided at least six of the twelve units are from the list of those required for full admission to the A. B. or B. S. courses. Conditioned students will be required to make up as many of their deficiencies as possible during the first year, and any deficiencies not made up the first year must be made up the second year. Any condition which the student has not removed by the end of his second year in college will be removed by counting college courses for this purpose on the basis of five college credits for one entrance unit. Courses so used cannot later be counted toward a degree.

ADMISSION BY CERTIFICATE.

While admission to college by certificate is allowed on graduation from standard high schools or other institutions of equal rank it is necessary to know the character and content of the high school courses on which the certificate is based in order that the proper number of entrance units may be ascertained. *The candidate for admission should therefore carefully note the following requirements.* The certificate should be made out on the proper blank form furnished by the college. It should be made out and signed by the principal of the school which the student attended; must specify the character and content of each course on which entrance credit is sought; must give the number of weeks the study was pursued, the number of recitation periods per week and the length of each recitation period; must give the date of examination and the candidate's grades in percentages.

A full entrance unit will be allowed only on those courses which have been pursued for a full year of thirty-six weeks with five recitation periods per week of not less than forty-five minutes

each. For courses in which the number of periods given to the subject, or the length of the period is below the standard here specified, the entrance credit on such subject will be reduced proportionately.

It is very necessary that the certificates be carefully prepared. Candidates for admission should always write to the Registrar of the college for the necessary entrance blanks and should have the certificate made out and signed by the principal of the school before leaving home. It is very desirable that the certificate be sent to the Registrar of the college, two weeks before college opens. Candidates not prepared for entrance can then be notified before they leave home.

When a student is admitted by certificate the admission is always conditioned on his ability to do satisfactory work in the courses undertaken.

SUBJECTS ACCEPTED FOR ENTRANCE.

The individual units in this table will be reckoned on the basis of five forty-five minute periods per week for a session of thirty-six weeks.

Subjects	Topic	Units
English A.....	English Grammar and Analysis (required).....	1
English B.....	Composition and Rhetoric (required).....	1
English C.....	Literature (required).....	1
English D.....	History of English Literature (optional).....	1
Mathematics A.....	Algebra to Quadratics (required).....	1
Mathematics B.....	Quadratics, Progression, Binomials, etc. (required)..	½
Mathematics C.....	Plane Geometry (required).....	1
Mathematics D.....	Solid Geometry (optional).....	½
Mathematics E.....	Plane Trigonometry (optional).....	½
Latin A.....	Grammar and Composition (required for A. B.).....	1
Latin B.....	Caesar—4 Books (required for A. B.).....	1
Latin C.....	Cicero—6 Orations (required for A. B.).....	1
Latin D.....	Virgil—6 Books (optional).....	1
History A.....	Greek and Roman History.....	1
History B.....	Mediaeval and Modern History.....	1
History C.....	English History.....	1
History D.....	American History and Civil Government.....	1
	} One unit required.	
Science A.....	Physiography.....	1
Science B.....	Elements of Physics.....	1
Science C.....	Elements of Chemistry.....	1
Science D.....	Botany, Zoology and Physiology.....	1
Science E.....	Mechanical Drawing.....	½
	} One unit required for B. S.	
German A.....	Grammar and Composition (optional).....	1
German B.....	Reading and Exercises (optional).....	1
French A.....	Grammar and Composition (optional).....	1
French B.....	Reading and Exercises (optional).....	1
Spanish.....	Grammar and Composition (optional).....	1
Greek A.....	Grammar and Composition (optional).....	1
Greek B.....	Xenophon's Anabasis—4 Books (optional).....	1

Entrance Units may be allowed on other high school subjects at the discretion of the Entrance Committee.

DEFINITIONS OF THE UNITS IN THE REQUIREMENTS
FOR ENTRANCE.

ENGLISH.

English A. English Grammar and Grammatical Analysis.—The parts of speech with inflections and uses of each; syntax and logical analysis; detailed study of sentence-structure, including capitalization and punctuation. Text-book recommended: Baskevill and Sewell's English Grammar. (One unit.)

English B. Composition and Rhetoric.—The choice, arrangement and connection of words with exercises; the sentence in detail as to unity, coherence and proportion; the paragraph with reference to placing topic, structure for unity, continuity and emphasis, with abundant exercises in composing good paragraphs. (One unit.)

English C. Literature.—The specimens for reading and study designated for college entrance requirements by the joint committee on collegiate and secondary schools. These required books or their equivalents should be studied throughout the High School course under the guidance of the instructor. Parallel reading should be encouraged and intelligent conversation about books directed.

The college entrance requirements in English Literature for 1913 are:

PART I. For Study and Practice—Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation* or Washington's *Farewell Address*, and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

PART II. For Reading.

Group I. The *Old Testament*, comprising at least the chief narrative episodes in *Genesis*, *Exodus*, *Joshua*, *Judges*, *Samuel*, *Kings*, and *Daniel*, together with the books of *Ruth* and *Esther*; the *Odyssey*, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; the *Iliad*, with the omission, if desired, of

Books XI, XIII, XIV, XV, XVII, XXI; Vergil's *Aeneid*. The *Odyssey*, *Iliad*, and *Aeneid* should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

Group 2. Shakespeare's *The Merchant of Venice*, *A Midsummer Night's Dream*, *As You Like It*, *Twelfth Night*, *Henry V*, *Julius Caesar*.

Group 3. Defoe's *Robinson Crusoe*, Part I; Goldsmith's *The Vicar of Wakefield*; either Scott's *Ivanhoe* or *Quentin Durward*; Hawthorne's *The House of the Seven Gables*; either Dickens's *David Copperfield* or *A Tale of Two Cities*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; George Eliot's *Silas Marner*; Stevenson's *Treasure Island*.

Group 4. Bunyan's *The Pilgrim's Progress*, Part I; *The Sir Roger de Coverly Papers* in *The Spectator*; Franklin's *Autobiography* (condensed); Irving's *Sketch Book*; Macaulay's essays on *Lord Clive* and *Warren Hastings*; Thackeray's *English Humorists*; selections from Lincoln, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the last Public Address, and Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's *Oregon Trail*; either Thoreau's *Walden* or Huxley's *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*; Stevenson's *An Inland Voyage* and *Travels with a Donkey*.

Group 5. Palgrave's *Golden Treasury* (First series), Books II. and III., with especial attention to Dryden, Collins, Gray, Cowper and Burns; Gray's *Elegy in a Country Churchyard* and Goldsmith's *The Deserted Village*; Coleridge's *The Ancient Mariner* and Lowell's *The Vision of Sir Launfal*; Scott's *The Lady of the Lake*; Byron's *Childe Harold, Canto IV* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First series), Book IV., with especial attention to Wordsworth, Keats and Shelley; Poe's *The Raven*, Longfellow's *The Courtship of Miles Standish*, and Whittier's *Snow-Bound*; Macaulay's *Lays of Ancient Rome* and

Arnold's *Sohrab and Rustum*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*; *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at the Villa—Down in the City*.

English D. History of English Literature.

MATHEMATICS.

Mathematics A. Algebra to Quadratic Equations. The four fundamental operations; factoring; highest common factor; lowest common multiple; fractions, simple and complex; ratio and proportion; equations, numerical and literal; problems; radicals, including square root; exponents, fractional and negative. (One unit.)

Mathematics B. Quadratic equations, Progression, and the Binomial Theorem.—Quadratic equations, numerical and literal; equations with one or more unknown quantities; problems depending on quadratic equations; the binomial formula for positive integral exponents; arithmetical and geometrical progression, with applications. (Half unit.)

Mathematics C. Plane Geometry, with exercises.—The usual theorems and constructions of a standard text-book. Solutions of original exercises, etc. (One unit.)

Mathematics D. Solid Geometry, with exercises.—The usual theorems and constructions of a standard text-book. Solution of original exercises, etc. (Half unit.)

Mathematics E. Plane Trigonometry.—The usual trigonometric functions; solution of trigonometric equations; theory and use of logarithms, etc. (Half unit.)

LATIN.

Latin A. Grammar and Composition.—The study of a standard text-book, with pronunciation; regular forms; cases; tenses; moods; rules, etc. Primer of Roman History. Translations into Latin and easy reading. (One unit.)

Latin B. Cæsar, Four Books.—With a systematic study of Latin grammar; exercises based upon the text read. (One unit.)

Latin C. Cicero, Six Orations.—Grammar work and prose composition based upon the text read. (One unit.)

Latin D. Virgil, Six Books.—Latin versification as shown in the hexameter meter. Grammar work and selected exercises in composition. (One unit.)

HISTORY.

History A. Greek and Roman History.—Including the geography of the countries studied and the development of the empires; wars; invasions; legends; transitions, etc. (One unit.)

History B. Mediaeval and Modern History.—Including a study of feudalism, papacy, Germano-Roman empire; formation of France; Crusades; Renaissance; Protestant Reformation; French Revolution, etc. (One unit.)

History C. English History, from the early British settlements down to the present. (One unit.)

History D. American History and Civil Government.—From the earliest discoveries and settlements to the present. Special emphasis upon the causes and results of the leading wars. Changes begotten by the Revolution. Political and economic problems; political parties; foreign relations, etc. (One unit.)

SCIENCE.

Science A. Physiography.—A knowledge of the subjects taught in the standard high school texts. (One unit.)

Science B. Elementary Physics.—A knowledge of the subject as given in Millikan and Gale, Carhart and Chute, or other standard texts. The student's note book of written reports of experiments should be presented, showing acceptance on the part of his teacher. Any one of the standard texts and manuals may be followed. (One unit.)

Science C. Elementary Chemistry.—The candidate for entrance credit should be able to show that he has studied for at least one full session, under a competent teacher, some standard text-book on inorganic chemistry and used a laboratory manual. (One unit.)

Science D. Botany, Zoology and Physiology.—The entrance requirements pre-supposes such sound elementary knowledge of plants, animals and human physiology, respectively, as may be regarded as representing one-half year's or one whole year's work in each subject from a standard text. Laboratory note-books should be presented. (Half unit each, or one-unit each.)

Science E. Mechanical Drawing.—Projections of geometric figures; changes of position; relative sizes and positions; distances from given points, etc. (Half unit.)

MODERN LANGUAGES.

German A. Grammar and Composition.—One full session's work in declensions; conjugations; uses and meanings of articles; pronouns; cases; tenses; moods and general rules governing arrangement of sentences; word functions; translations into English and German. (One unit.)

German B. Translations.—Reading of from 500 to 600 pages of German, made up of easy stories, plays, prose and poetry. (One unit.)

French A. Grammar and Composition.—One session's work including a mastery of the principles of grammar, regular and irregular verbs. (One unit.)

French B. Translations.—About 500 pages of reading with continued drill in grammar. Exercises in dictation and conversation. Written exercises in French composition. (One unit.)

Spanish. Grammar and Composition, with Translations.—A thorough study of pronunciation. Composition with easy reading. (One unit.)

GREEK.

Greek A. Grammar and Composition.—The common forms, idioms, inflections; syntax; easy translations, etc. (One unit.)

Greek B. Xenophon's Anabasis.—Four books. (One unit.)

ADMISSION TO ADVANCED STANDING.

Matriculates presenting certificates or diplomas from reputable colleges or from normal schools will be given such credits as the professors directly concerned shall, after consultation with the Faculty, deem proper, subject to the conditions on which degrees are conferred by this college; and, as far as possible, the student will be saved time in the attainment of the desired degree.

In accordance with the regulations of the State Board of Education governing registered colleges, collegiate credits for work done in high schools and academies may be obtained only by passing satisfactorily a written examination on those subjects for which credit is desired. The examinations are held at the opening of the session by the Committee on Entrance Examinations, and all matriculates desiring advanced credit are expected to take the examinations at that time. For sufficient reason, permission may be granted to defer the examination to a later date, but such permission must be obtained from the committee immediately after entrance into college, or the privilege of taking the examination will be forfeited. *All credits allowed in this manner must be in excess of fourteen entrance units and on work of collegiate grade.*

Government and Regulations

REGISTRATION OF STUDENTS.

All applicants who seek admission to the college should assemble in the chapel at 9 o'clock on Thursday, September 18th, when they will be given directions as to how to register and arrange for their courses. In registering, the student should first present himself to the President at his office in the President's house. The candidate seeking admission for the first time should bring with him papers signed by the proper official of the institution last attended, to aid in his registration and classification. If the candidate is free from objection the President will give him a card permitting him to matriculate, which should be at once presented to the entrance committee (in Science Hall). If his entrance papers are found satisfactory, this committee will give him a ticket of classification which he will present to the Registrar and Treasurer in the Treasurer's office in the main college building. Those students who arrive too late to attend the assembly in the chapel should report at once to the President.

The schedule of entrance examinations and the place where they are to be held will be found posted on the official bulletin board in the hall of the main building. All certificates from other institutions should be presented to the Committee on Entrance immediately after registering. Registration of new students is always conditional upon the students' being able to satisfy the entrance requirements.

Students who have formerly attended the college should report as promptly as possible to their advisory professors for assignment to classes. No student will be considered as having completed his registration until he has been regularly assigned to classes.

DELAYED REGISTRATION.

Students will be allowed three days, inclusive of September 18th, to complete their registration. A fee of \$1.50 additional will be charged for all registrations between September 21st and October 1st, and \$2.00 additional for registration after October 1st. A fine of 50 cents will be imposed for each day's delay in reporting for duty after the termination of a vacation during the session.

ADVISORY PROFESSORS.

Each student at the beginning of the session will be assigned to an advisory professor, who will aid him in selecting his classes, and keep a general advisory oversight over his work during the year. A student desiring to change or lessen his courses must always obtain the consent of his advisory professor and a card of withdrawal from the registrar, before doing so.

DISCIPLINE.

The discipline of the college is in the hands of the President and Faculty. Its object is to maintain regularity and order in the institution and to inculcate among the students the spirit of honor and the manners of gentlemen. At William and Mary, the "Honor System" had its beginning, and its spirit still prevails in such force that disorder and ungentlemanly conduct are rare in the student life. When, however, the Faculty finds it necessary to resort to other means of securing the desired end, probation, suspension or expulsion is resorted to, according to the gravity of the offence.

The Faculty believes that it is a duty which they owe to parents to advise and insist upon the withdrawal of all students not profiting by their stay at college; and when a non-resident student is permitted to withdraw, or is dropped from the roll, or is suspended, he must forthwith leave Williamsburg and the vicinity. Until he fulfills this requirement, he remains subject to the authority of the institution and may be expelled. In every case of discipline by the Faculty, the student's parents or guardian is informed of the action.

Hazing or subjecting the students to any kind of humiliating treatment, using intoxicating liquors, or gambling is strictly forbidden and renders the offender liable to expulsion. Ungentlemanly conduct of any sort, such as swearing or using indecent language, when it comes to the knowledge of the Faculty, will be severely dealt with. Moreover, it is against the laws of the college for students to play cards in their rooms, fraternity-houses or college buildings; to visit pool-rooms; to keep firearms, or to deface or injure the walls, furniture or property of any sort belonging to the college. Nor shall any student go farther than eight miles from the College without the consent of the President, or in his absence of the Dean.

DROPPING FROM THE ROLL.

A collegiate student who fails at the regular midwinter or spring examinations to pass unconditionally one-third of his hours, will be dropped from the roll of the college, unless the failure is due to continued sickness or some other unavoidable cause. Those who absent themselves from two examinations, except on a physician's certificate, will also be dropped from the roll.

EXAMINATIONS.

Written examinations are held at the end of each term. An examination grade of 75 per cent. or higher, passes a student, provided his class standing and attendance are satisfactory to the professor. Students who pass a course with a grade for the term of from 75 per cent. to 83 per cent., will be marked C; those passing with a grade of from 83 per cent. to 90 per cent. will be marked B; and those making from 90 per cent. to 100 per cent. will be marked A. (See also special requirements for degrees, page 49.)

LIMITATION ON NUMBER OF HOURS TAKEN BY STUDENT.

No student will be permitted to take less than fifteen hours per week except by special permission of the faculty. Permis-

sion to take more than fifteen hours will not, in general, be granted to any one who has made a grade as low as C on half of his previous term's work. In no case will a student receive credit on more than twenty hours in one term.

CREDITS.

The college year consists of two terms, or half sessions and the courses run one term, though a professor may continue his subject into the second term. Upon satisfactorily completing a course for a term, the student receives credits based upon the number of hours per week in the lecture room. Three-hour courses, two-hour courses, and one-hour courses are offered, entitling the student who attends them satisfactorily to three credits, two credits, and one credit respectively, except that two laboratory hours give one credit.

REPORTS.

Reports showing the standing of every student in his classes are rendered each month during the session. The attention of parents is called to these reports, and admonition in proper cases should be given by them to their sons, as parental authority is a valuable adjunct to the discipline and success of a college. Each student is assigned to an advisory professor who carefully follows his progress through the session and endeavors by his personal oversight and advice to encourage him in his work and prevent his failure to profit by his classes.

WORK IN ABSENTIA FOR A. B. OR B. S.

Work done at other colleges of reputable standing will be given equivalent credits and after thirty credits are obtained at this or any other college, thirty credits may be done privately. No degree, however, will be granted to any one who has not done thirty credits in residence at this institution.

Expenses

The expenses of the college are unusually light, since the college fees are small and living in Williamsburg is remarkably cheap. The life of the college, though full of activities in which, if he wishes, the student may take part, is yet free from the expensive habits current at so many of our colleges. The reduction of expenses to the normal students of William and Mary is made possible by the desire of the Commonwealth to develop a body of men trained for and interested in its greatest responsibility—the education of its children. Hence the special conditions that make it possible for the college to offer courses of a high grade of excellence at a minimum cost.

FEES.

The fees of the college are as follows: Matriculation fee, \$15; tuition fee, \$40; medical fee, \$6; gymnasium fee, \$5; library fee, \$3; maintenance fee, \$24. Virginia students are not required to pay the tuition fee, and those who hold State scholarships are required to pay only the matriculation fee.

The matriculation fee must be paid in full on entrance. Of the remaining fees one-half must be paid on entrance and one-half on the first of February. A laboratory fee of \$1.50 will be charged for each course taken in Biology, Chemistry, and Manual Arts.

BOARD.

Board is furnished at the college boarding house, including fuel, lights, laundry, attendance, and use of the furniture in the rooms, at \$12.00 per month for those holding State scholarships.

State students are given the preference at the college boarding department, and should there not be room to accommodate

all other students who apply, they can secure board in desirable places in the town at about the same rate as charged at the college.

ROOM RENT.

The charge for room rent at the college dormitories is \$1.00 per month, payable at the beginning of each month.

BOOKS AND LABORATORY FEES.

The cost of books and laboratory fees per session depends somewhat on the classes to which the student is assigned, but will hardly be less than \$15.00, and should not exceed \$30.00.

CONTINGENT FUND.

Every student, on entering, is required to deposit with the treasurer the sum of three dollars, to be entered to his credit as a contingent fund, out of which shall be taken his apportioned share of the cost of any damage, beyond ordinary wear and tear, done to the college property by students. If no such charges are entered against him, the whole amount will be returned at the end of the session. For damage to property, accompanied by bad conduct, the whole contingent deposit may be forfeited.

MEDICAL ATTENDANCE.

The college provides a physician and staple medicines, but will not assume the expense of nurses, consulting physicians, or surgical operations. When the circumstances require it, the College Physician may employ a nurse or incur other necessary expenses, the same to be charged to the student. Cases of sickness demanding such attention, however, are of very rare occurrence among the students.

STATE SCHOLARSHIPS.

The College of William and Mary offers 132 scholarships to young men who wish to prepare themselves to teach in the public schools of Virginia. These appointments can be secured

by applying to the superintendents of schools in the counties or cities and entitle the holders to free tuition and board at reduced rates at the college boarding house, and exemption from all fees except the matriculation fee and laboratory fees.

These students are required to take the subjects embraced in one of the Teacher's Courses.

After completing a teacher's course they may apply for one of the college degrees, (A. B.; B. S.; or A. M.,) on the same terms as State students. For full particulars in regard to these scholarships and the Teacher's Courses, see pages 77-91.

MINISTERIAL STUDENTS.

Students furnishing satisfactory evidence of their intention and fitness to enter the ministry are not required to pay tuition fees.

REDUCTIONS.

No reduction of the college fees shall be allowed for any reason and no reduction of board for a period less than a month. This rule applies to absences at Christmas and to sickness, to withdrawal from college, or to dismissal therefrom.

EXPENSES.

(a) *For Virginia Students Holding State Scholarships:*

Matriculation fee (payable on entrance).....	\$ 15.00
Board—including heat, light, laundry, and attendance \$12.00 per month (payable monthly in advance).....	108.00
Room rent, \$1.00 per month (payable monthly in advance)....	9.00
Total cost per Session not including Laboratory Fees....	\$132.00

(b) *For Virginia Students Not Holding State Scholarships:*

Matriculation fee (payable on entrance).....	\$ 15.00
Medical fee (payable half on entrance, half Feb. 1st).....	6.00
Gymnasium fee (payable half on entrance, half on Feb. 1st)...	5.00
Library fee (payable half on entrance, half Feb. 1st).....	3.00
Maintenance (payable half on entrance, half Feb. 1st).....	24.00
Board—including heat, light, laundry and attendance \$14.00 per month (payable monthly in advance).....	126.00
Room rent—\$1.00 per month (payable monthly in advance)....	9.00
Total cost per Session not including Laboratory Fees....	\$188.00

(c) For Students Not from Virginia:

Matriculation fee (payable on entrance).....	\$ 15.00
Tuition fee (payable half on entrance, half Feb. 1st).....	40.00
Medical fee (payable half on entrance, half Feb. 1st).....	6.00
Gymnasium fee (payable half on entrance, half Feb. 1st)....	5.00
Library fee (payable half on entrance, half Feb. 1st).....	3.00
Maintenance fee (payable half on entrance, half Feb. 1st)....	24.00
Board—including heat, light, laundry, and attendance \$14.00	
per month (payable monthly in advance).....	126.00
Room rent—\$1.00 per month (payable monthly in advance)...	9.00
	<hr/>
Total cost per Session not including Laboratory Fees.....	\$228.00

In addition to the above expenses every student is required to deposit at the beginning of the year a contingent fee of \$3.00, which is returnable at the end of the year if no damage has been done by him to college property. This is, therefore, not necessarily an expense. All students are likewise required to pay a fee of \$1.50 for each laboratory course taken in Biology, Chemistry and Manual Arts. Laboratory fees seldom amount to more than \$6.00 per year.

INCIDENTALS.

We cannot undertake to formulate the exact cost to students for clothing, travel and incidentals. These are governed largely by the habits of each individual. We endeavor to cultivate frugality and to protect the student from temptations. The size of Williamsburg aids materially in this matter by not subjecting the young man to the temptations of a large city. The demands for extra money being small, the parent is advised to furnish only a limited sum.

Honors and Degrees

COLLEGIATE DEGREES.

The degrees offered are Bachelor of Arts (A. B.), Bachelor of Science (B. S.), and Master of Arts (A. M.). All applicants for these degrees are expected to take fifteen hours a week, unless otherwise permitted by the Faculty.

BACHELOR OF ARTS.

To enter upon the courses leading to A. B., the student must fulfill the requirements as enumerated under "Entrance Requirements" on page 30.

To attain the degree of Bachelor of Arts, the student must make one hundred and twenty (120) credits, at least sixty of which must be in the higher group. The following eighty (80) must be taken by all candidates for A. B.: Latin, 12; English, 15; History, 6; Greek or a Modern Language, 12; Ethics, 3, or Logic, 3; Psychology, 6; Mathematics, 7; Economics, 2; Politics, 2; Chemistry and Physics, 10; Biology, 5; (Zoology I). Of the forty (40) credits remaining necessary for the degree, twenty (20) shall be taken in Languages, Literature, History and Mathematics.

A graduating thesis is required of all candidates for the degree of Bachelor of Arts.

BACHELOR OF SCIENCE.

The entrance requirement for this degree are enumerated under "Entrance Requirements," on page 30.

To attain this degree, the student must make one hundred and twenty (120) credits, at least sixty (60) of which must be in the higher group. The following eighty (80) credits must be taken by all candidates for this degree: English, 9; History,

Economics, and Politics, 8; A Modern Language, 12; Psychology, 6; Mathematics, 10; (Courses I., II., III., IV); Chemistry, 10; Physics, 10; Biology, 15 (Zool I., II., Botany I.) Of the forty (40) credits remaining necessary for the degree, twenty (20) shall be *higher group* credits in Chemistry, Physics, and Biology. But Mathematics VII. and VIII.—six credits—may be substituted for six of these twenty credits in science provided Physics III. and IV. are also taken.

A graduating thesis is required of all applicants for the degree of Bachelor of Science.

SPECIAL REQUIREMENTS FOR A DEGREE.

The college believes that the recipient of a degree should give evidence of higher ability and scholarship in at least part of his work than is required for a mere pass, and a bachelor's degree will be conferred only on those who have made a grade above C on at least 60 of the 120 credits required for a degree. (See page 42, Examinations.)

MASTER OF ARTS.

The degree of Master of Arts will be conferred upon a student who shall have met the following conditions:

I. (a) He shall have received an A. B. degree from this institution, said degree not to be based upon any catalogue earlier than that of June 1909; or,

(b) He shall have an A. B. degree from some other institution of equal grade, said degree being subject to the approval of the faculty upon the recommendation of the Degree Committee; or,

(c) He may base his A. M. degree upon the B. S. degree of this institution, provided (1) said B. S. degree is not based upon any catalogue earlier than that of June, 1909, and provided (2) that said B. S. degree include at least twenty-five higher group credits in languages, literature, history, philosophy, and mathematics.

II. He shall, as a *resident graduate*, complete at least twenty-five hours of work higher than that taken for the A. B. or B. S. degree from the courses herein indicated as counting toward the A. M. degree, subject to the conditions herein named and under the advice of the Degree Committee.

The following courses count toward the A. M. degree:

English VIII., IX., X., XI., XIII.

Latin, V., VI.

Greek V., VI.

German V., VI.

French V., VI.

Spanish I., II. (French IV. and Latin IV. prerequisite).

Philosophy VII., V II.

History IV., VI., VII., VIII.

Political Science III.

Education IX., X.

Botany VI., Zoology IV., V.

Mathematics VII., VIII.

III. He shall make an average of 85 per cent. on at least ten hours of work, and 80 per cent. on the remainder.

IV. No credits shall be carried over from his A. B. or B. S. degree and used for A. M.

V. Not more than eight credits shall be taken in any one subject.

VI. Application for this degree shall be made by October 1st, and must be approved by the Degree Committee.

VII. He must present a thesis showing thorough and painstaking work in one of his major subjects and representing at least 5 credits value, the subject of said thesis to be selected with the advice and consent of the Degree Committee not later than January 15th. All other A. M. degrees hitherto offered are hereby abolished.

COLLEGE SCHOLARSHIPS.

There are various scholarships established in the college. Five of the number, known from their founders—the Corcoran, Soutter, Chancellor, Graves, and Bennett scholarships—are conferred every year in recognition of general merit. They exempt Virginia students from the payment of all fees except the matriculation fee, and non-Virginia students from the tuition fee. There are also two scholarships founded by Mr. R. M. Hughes, of Norfolk; one called the James Barron Hope Scholarship, awarded for the best poem in the college *Magazine*; the other called the Pi Kappa Alpha Scholarship, awarded to some member of the Pi Kappa Alpha fraternity for the best translation published in the *Magazine*. In addition to these, the college offers scholarships to a number of accredited high schools in the State. These scholarships exempt the student from the payment of all fees except the matriculation fee, and are renewable the second year if the holders thereof make satisfactory records the first year.

WILLIAM BARTON ROGERS SCHOLARSHIP.

This scholarship was established very recently by the Massachusetts Institute of Technology in memory of William Barton Rogers, founder of the Institute, and former student and professor at the College of William and Mary. The value is \$300, and it will be awarded by the Faculty to some student of this institution who shall have taken sufficiently advanced work for entering the Institute of Technology with advantage.

GROUP OF STUDIES.

The courses of the college are divided into a lower and a higher group. The following courses constitute the lower group:—

Economics, Course I. (see page 53.)

English, Courses I., II., III., IV., V., XII. (see page 54).

History, Courses I. and V. (see page 64.)

Mathematics, Courses I., II., III. IX., (see page 55).

- Physics, Course I. (see page 63).
Chemistry, Course I. (see page 56).
Greek, Courses I. and II. (see page 71).
German, Courses I. and II. (see page 67).
French, Courses I. and II. (see page 65).
Botany, Course I. (see page 58).
Zoology, Course I. (see page 57).
Drawing, Courses I. and II. (see page 59).
Education, Courses I., II., V. (see page 60).
Philosophy, Courses I. and II. (see page 69).
Latin, Courses I. and II. (see page 70).
Manual Arts I. and II. (see page 60).

All courses not in the above list are in the higher group.

Announcement of Collegiate Courses

ECONOMICS.

PROFESSOR TYLER.

Course I.—The study begins with the history of the science and a rapid survey of the field. Then follows a discussion of Value as the subject matter. Next the elements in its production—land, labor and capital. The questions of rent, wages, interest, money, taxes, credit are afterwards taken up, and in illustration of these and other usual topics of the science, practical questions of the hour are introduced and discussed. Two hours a week; second term; 2 credits.

POLITICAL SCIENCE.

PROFESSOR TYLER.

Course I.—The study of the American colonial institutions, and of the constitutions and administrative systems of the States and Federal Government, pursued through lectures. Two hours a week; first term; 2 credits.

Course II.—A study of English institutions from the first beginnings to the present time, pursued through text-books and lectures. Two hours a week; first term; 2 credits. (Prerequisite, History III.)

Course III.—*International Law.*—An inquiry into the nature, sources and sanctions of International Law and an outline study of its growth, with emphasis upon its modern development. The application of the law to questions in American history is made a prominent feature. Two hours a week; second term; 2 credits. (Prerequisite, Course I.)

ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR HALL.

ASSOCIATE PROFESSOR WILSON.

Course I.—The study of words; words and their ways in the English language; slang; fashions in language; popular etymology; how language grows; various phenomena of speech, especially of English. The origin of language, various theories. Two hours a week; first term; 2 credits.

Course II.—Analytic study of the *Idylls of the King* in full. Study of Tennyson's sources, with selected chapters of the *Morte D'Arthur* and critical essays by eminent students of Tennyson. Essays growing out of the course. Two hours a week; first term; 2 credits.

Course III.—History of the English language from Anglo-Saxon days to the present; its flecational and syntactical changes; relation to other languages. Praxis work and parallel reading. Two hours a week; second term; 2 credits.

Course IV.—Analytical study of a play of Shakespeare, with parallel reading in Shakespeare and other Elizabethan dramatists, Essays growing out of the work done in the lecture-room. Two hours a week; second term; 2 credits.

Course V.—Rhetoric: the Sentence; the Paragraph; Description; Narration; Exposition; Argumentation; Frequent themes and praxis work. (Required in all diplomas and degree.) Three hours a week; first term; 3 credits.

Course VI. and VII.—Anglo-Saxon begun in first term; historical grammar incidentally taught; study of words and history of the language continued. Fifty pages of Anglo-Saxon read in second term. (Prerequisite, courses I and III.) Two hours a week; both terms; 4 credits for the entire year.

Course VIII.—Forms of English verse: the Ballads; the Ode; the Sonnet; lyrics, and songs; dirges and memorial verse; society verse. Parallel reading in these various forms. Essays based

upon the course. (For Juniors and Seniors.) Two hours a week; first term; 2 credits.

Course IX.—A study of Prose Style; a group of great authors studied carefully; the principal features of style as exemplified in De Quincy, Macaulay, Carlyle, Ruskin, and others. Essays and parallel reading. Two hours a week; second term; 2 credits.

Course X. and XI.—Beowulf read in full, with critical comments; discussion of disputed points in the text. Notes in Earle's, Gummere's and the professor's translation. Parallel reading. Two hours a week; both terms; 4 credits.

These courses will not be given next session unless especially called for.

Course XII.—Grammar for high school teachers; comparative study of the best text-books; general grammar; logical analysis; syntax. (Required of all State students.) Two hours a week; second term; 2 credits.

Course XIII.—The genesis and development of the English novel; representative masterpieces read and discussed; essays based upon the work done in class. Two hours a week; second term; 2 credits.

Course XIV.—Special higher group work in syntax and usage; authorities *pro* and *con* quoted as to disputed points in usage and syntax; authority of great writers; what is good English? (Prerequisites: English V and XII). Praxis work in the library. Two hours a week; first term; 2 credits.

MATHEMATICS.

PROFESSOR STUBBS.

ADJUNCT PROFESSOR JOHN TYLER.

Course I.—Plane Trigonometry; three hours a week; first term; 3 credits.

Course II.—Advanced Algebra (Determinants, Theory of Equations, etc.); one hour a week; both terms; 2 credits.

Course III.—Solid Geometry; two hours a week; second term; 2 credits.

Course IV.—Analytical Geometry (Plane); three hours a week; first term; 3 credits.

Course V.—Analytical Geometry (Solid); one hour a week; second term; 1 credit.

Course VI.—Spherical Trigonometry; two hours a week; second term; 2 credits.

Course VII.—Differential Calculus; three hours a week; first term; 3 credits.

Course VIII.—Integral Calculus; three hours a week; second term; 3 credits.

Course IX.—Surveying; three hours a week; second term; 3 credits.

Course X.—Analytic Mechanics; three hours a week; first term; 3 credits.

CHEMISTRY.

PROFESSOR GARRETT.

INSTRUCTOR, C. C. SNOW.

LABORATORY ASSISTANT, A. A. BRODOWSKY.

Course I.—General Inorganic Chemistry, with laboratory work. Descriptive and experimental lectures, recitations and problems; three lectures and two laboratory periods per week; first term; 5 credits.

Course II.—This course is a continuation of Course I., with a brief introduction to Organic Chemistry; three lectures and two laboratory periods per week; second term; 5 credits.

Courses I., II. together give a general survey of the subject of Chemistry, and are required for the degree of Bachelor of Science.

Courses III. and IV.—Qualitative Analysis (Basic and acid). Three laboratory periods a week; both terms; 6 credits. These two courses may not be counted separately, since Course IV. is the logical continuation of Course III.

A laboratory fee of \$1.50 is charged in each course in Chemistry.

ZOOLOGY.

PROFESSOR RITCHIE.

INSTRUCTOR, A. R. KOONTZ.

Course I.—*Physiology and Hygiene.* The fundamentals of human physiology with anatomy and histology, and a presentation of the laws of hygiene. The object of the course is to give the student an understanding of the structure and workings of his own body, and to teach him how to keep himself in health. Much of the laboratory work consists of a microscopic study of cells, tissues and organs. Lectures, three hours; laboratory, four hours; first term; 5 credits.

Course II.—*Elementary Zoology.*—A general course in Zoology, covering the great groups of the animal kingdom as thoroughly as time will permit. Lectures, three hours; laboratory, four hours; second term; 5 credits.

Course III.—*Histological Technique.*—The preparation of objects for microscopic examination. Laboratory, four hours; first term; two credits. Prerequisite, Zoology I. or Botany I.

Course IV.—*Vertebrate Embryology.*—Lectures, two hours; laboratory, four hours; first term; 4 credits. Prerequisite, Zoology II.

Course V.—*Advanced Physiology.*—Lectures, two hours; laboratory, four hours; second term; 4 credits. Prerequisite, Zoology I. and one other laboratory course in Biology; Physics I. and II.; Chemistry I. and II. and 60 credits of college work.

Course VI.—Evolution and Heredity. A series of lectures dealing with the broader aspects of biology and the social applications of biological principles. Lectures, one hour; first term; one credit.

Zoology III. and IV. are given in alternate years. Zoology IV. will be given in 1913-1914.

A laboratory fee of \$1.50 is charged in each of the above courses in which laboratory work is done.

BOTANY.

PROFESSOR RITCHIE.

INSTRUCTOR, A. R. KOONTZ.

Course I.—Elementary Botany.—A morphological study of the four great plant groups, along with the principles of plant physiology and ecology. Lectures, three hours; laboratory, four hours; second term; 5 credits.

Course II.—Plant Physiology.—This course is intended to give a scientific foundation for the study and teaching of physiological botany and agriculture. Lectures, one hour; laboratory, four hours; second term; 3 credits. Prerequisite, elementary chemistry.

Course V.—Systematic Botany.—Offered as an *in absentia* course. A student who collects and identifies a stipulated number of plants may receive credit for the work done by presenting his collection at the college and giving proof of his ability to use a manual. Two or three credits will be given, according to the amount of work done.

Course VI.—Bacteriology.—The principles and technique of bacteriology. Laboratory practice with non-pathogenic and pathogenic forms. Lectures, two hours a week; laboratory, four hours a week; first term; four credits. Prerequisite, Zoology I., and one other course in Biology. In this course the lectures may be taken without the laboratory.

A laboratory fee of \$1.50 will be charged for each laboratory course.

DRAWING.

PROFESSOR CRAWFORD.

Course I.—Mechanical Drawing. A course in elementary mechanical drafting, comprising a general view of the subject of instrumental geometrical drafting, and the ultimate object to be attained. Drafting instruments and materials, their care and use; the arrangement of geometrical problems sufficiently numerous and varied to lead up to the making of mechanical drawings; lettering, mechanical and free hand; elements of projections; working drawings, lectures, one hour a week; laboratory, four hours a week; first term; 3 credits (toward B. S. degree). Prerequisite, Geometry.

Course II.—Blackboard Drawing. Rapid blackboard sketching, use of the blackboard in teaching. Type characteristics emphasized in drawing from nature, flowers, still life, animals and figures; memory sketches, mediums, chalk, charcoal and crayon. Two hours a week; second term; 2 credits. Prerequisite, Free-hand Drawing.

Course III.—Mechanical Drawing.—An advanced course, involving analytical drawing and practical drafting, considered with special reference to the needs of high school work. Two hours a week; first term; 2 credits (toward B. S. degree). (Laboratory Period.) Prerequisite, Drawing I.

Course IV.—Art Appreciation and History.—One hour a week; first term; 1 credit.

Course V.—Continuation of Course IV.—General instruction in the history and principles of art, training of the appreciative faculties, art criticism. Illustration by lantern slides and photographs of the best examples of architecture, painting, sculpture design and handcraft. Parallel reading. One hour a week; second term; 1 credit.*

Courses VI. and VII.—Constructive Design.—An abridged

*All the courses in Drawing and Manual Arts count towards B. S., but only IV. and V. in this department count towards A. B.

course for the study of the principles of design with special reference to application in Handicraft. Problems are considered from the standpoint of function, structure, material, form and decoration. One laboratory period a week; both terms; 2 credits.

MANUAL ARTS.*

PROFESSOR CRAWFORD.

Courses I.—Wood Working for Secondary Schools.—Shop Work.—Study of materials and methods of instruction. This course aims primarily at a training in the technical processes of wood-working as a basis for instruction in the elementary and secondary schools. An analysis of the action of cutting tools is made, and the introduction of tools in class use discussed. Methods of Manual Training instruction are studied at length, and the presentation of typical projects suitable for the upper grades is considered in detail. Two laboratory periods a week; first term; 2 credits. Prerequisite, Manual Arts B.

Course II.—Discussion of subjects relating to industrial processes and productive industries, practical problems. Two laboratory periods a week; second term; 2 credits.

Laboratory fee \$1.50 in each course.

EDUCATION.

PROFESSOR BENNETT.

ASSOCIATE PROFESSOR FERGUSON.

Course I.—Elements of Management and Method.—A practical introductory course treating of the organization and management of schools, their relation to community life, of school hygiene and of training pupils to study. Observations, readings, text. Three hours a week; first term; 3 credits. Required of all State students who do not offer Education C (Academy) for entrance.

*All the courses in Drawing and Manual Arts count towards B. S., but only IV. and V. in this department count toward A. B.

Course II.—Methods of Teaching.—The aims and types of teaching studied and applied to common school subjects. Training is given in the analysis of lessons observed at the model school, in questioning, in analyzing practical problems, correlating subjects, adapting methods and planning lessons. Text, readings and abstracts, discussions, observations and reports. Required of all State students who do not offer Education C. (Academy) for entrance. Three hours a week, second term; 3 credits.

Course III.—Principles of Education.—Based on Courses I. and II. which are essentially concrete and on Psychology I. and II., this course seeks to give the student a mastery of current doctrines of educational psychology, of their bases and applications, an acquaintance with the literature thereon, and a study of their adaptation to various local and special problems. Text, observations, readings, abstracts and reports. Three hours a week; first term; 3 credits. Required of all State students.

Course IV.—School Systems.—A brief survey of the more important ancient and modern national school systems, culminating in a study of the Virginia laws and system. Collateral readings and reports on great educational reformers. (A portion of this term may be devoted to a continuation of Course III.) Three hours a week; second term; 3 credits. Required of all State students.

Course V.—Practice Teaching.—Preparation of lesson plans and teaching classes in Practice School. One hour a day for ten weeks, at times in both terms to be arranged with individual students. Longer time will be required of students whose practice work is not satisfactory. Required of State students. 3 credits.

Course VI.—School Supervision.—Deals with the larger problems of school organization. Arranged and recommended especially for principals and superintendents. Courses III. and IV. or equivalent study and experience is prerequisite. Three hours a week; second term; 3 credits.

Course VII.—Moral Education.—Efficient, vigorous, growing moral character considered as the ideal of education and a study of methods of teaching school subjects, class management, school organization, and direct ethical instruction of children, to attain this end. Adapted for teachers, principals and ministerial students. Two hours a week; first term; 2 credits.

Course VIII.—Philosophy of Education.—A study of psychological, biological and sociological aspects of education. For advanced students. Two hours a week; second term; 2 credits.

Course IX.—History of Education.—Ancient and Mediaeval periods and the Renaissance studied with reference to their meaning in relation to present day education. Three hours a week; first term; 3 credits. General History prerequisite.

Course X.—History of Education.—Continuation of Course IX. through the modern period, with particular attention to recent educational theories. May be taken without IX. Three hours a week; second term; 3 credits.

Courses VII. and VIII. will ordinarily alternate with Courses IX. and X.

Course XI.—Secondary Education.—A practical study of the organization and management of high schools; the curriculum; relation to elementary school and to college; applications of the psychology of adolescence. Three hours a week; first term; 3 credits. (Professor Ferguson.)

Course XIII.—Experimental Education.—This course seeks to train students in the recently developed scientific methods of solving educational problems, and to acquaint them with the available literature thereon. Individual and class experiments are conducted with much graphic and statistical work. Three hours a week; first term; 3 credits.

PHYSICS.

PROFESSOR KEEBLE.

LABORATORY ASSISTANT, D. M. GRIGGS.

Course I.—Mechanics and Heat.—Lectures and recitations three hours a week, and two laboratory periods of two hours each. First term; 5 credits.

Course II.—Electricity, Sound and Light.—This course is a continuation of Course I. Lectures and recitations three hours a week, and two laboratory periods of two hours each. Second term; 5 credits.

The two courses above constitute a year's work in general physics. No previous study of physics is required for admission to Course I., but the student should have an elementary knowledge of plane trigonometry. Emphasis is laid on the solution of practical problems. Freshmen will not be admitted unless they have had high school physics.

Course III.—A more advanced study of *Mechanics and Heat* than is required in Course I. An extended drill in the solution of problems. Measurements of considerable precision in the laboratory. Lectures and recitations three hours a week and two laboratory periods of two hours each. Prerequisites, Courses I. and II. and trigonometry. First term; 5 credits.

Course IV.—Electricity, Sound and Light.—Lectures and recitations three hours a week and two laboratory periods of two hours each. Second term; 5 credits.

It is intended in this year's work (*a*) to fit students to teach physics in the high school and (*b*) to give a sufficiently thorough grounding in the fundamental principles of the subject to enable the student to continue the study of pure physics profitably or to enter upon the study of engineering.

The laboratory work is entirely quantitative and consists of measurements of considerable precision. In some cases it may require more than the allotted four hours a week in the laboratory.

The equipment for this course is all new material and fairly

complete. Among the more important pieces of apparatus are a good analytical balance, a standard barometer, apparatus for measurement of torsional and elastic constants and moments of inertia, magnetometers, ammeters and voltmeters, galvanometers and telescopes, a polariscope, high grade spectrometers and gratings. There is also a good X-ray outfit, a storage battery of twenty cells, and both alternating and direct current supplied from the power house.

HISTORY.

PROFESSOR WILSON.

PROFESSOR TYLER.

Course I.—Greece and Rome; text-book, lectures, and parallel reading. Assigned work in library. Three hours a week; first term; 3 credits. (Professor Wilson.)

Course II.—Western Europe: Middle Ages and Development of Modern Europe. Text-book, lectures and parallel reading. Special topics for investigation. Three hours a week; second term; 3 credits. (Professor Wilson.)

Course III.—History of England. Text-book, lectures and parallel reading. (Courses I. and II. prerequisite.) Three hours a week; first term; 3 credits. (Professor Wilson.)

Course IV.—History of the United States, advanced course. A general study from the Revolutionary era to the present, with special emphasis upon leading questions, such as education before and after the Revolution; Rise and Fall of Parties; the Bank Question; the Tariff Question; Internal Improvements; Territorial Annexation; Beginning, Growth, and Fall of Slavery; State Rights and Secession. Two hours a week; second term; 2 credits. (Professor Tyler.)

Course V.—American History. An outline course in the study of the founding, development and growth of the United States. Methods in the teaching of history studied. Text-book, lectures and parallel reading. Special reading in the library and investi-

gations of individual subjects will be assigned. Three hours a week; second term; 3 credits. (Professor Wilson.)

Course VI.—The Age of Elizabeth. Text-books, lectures and parallel reading. An advanced course with detailed study. (Prerequisite, Course III.) Two hours; second term; 2 credits. (Given in 1912-13. Alternates with Course VII. Professor Wilson.)

Course VII.—Period of Renaissance and Reformation. Text-books, lectures and parallel reading. Advanced course for detailed study. (Prerequisite, Course II.) Two hours; second term; 2 credits. (Given in 1913-14. Alternates with Course VI.) (Professor Wilson.)

Course VIII.—Europe since 1815. Text-books, lectures and library investigations. Study of modern European governments. (Prerequisite, Course II.) Two hours; first term; 2 credits. (Professor Wilson.)

PUBLIC SPEAKING.

Course I.—*Argumentation and Debate.*—Text-books, lectures and class exercises and practice. (Prerequisite, six credits in English.) Three hours; first term; 3 credits. (Professor Wilson.)

Course II.—*Public Speaking.*—A general course in the preparation and delivery of the various forms of public discourses. (Prerequisite, six credits in English and Course I. or special permission.) Not given for less than eight students. Three hours; second term; 3 credits. (Professor Wilson.)

MODERN LANGUAGES.

PROFESSOR CALHOUN.

FRENCH.

Course I.—Elements of the language; oral and written exercises; dictation; memorizing of poems; reading of such texts as Bedollière's *La Mère Michel et Son Chat*, Fénélon's *Télémaque*,

Maistre's *La Jeune Sibérienne*, Claretie's *Pierrille*, Verne's *Les Enfants du Capitaine Grant*. Three hours a week; first term.

Course II.—Continuation of Course I. Class and supplementary reading from such texts as Erckmann-Chatrion's *Le Conscrit* and *Le Juif Polonais*, France's *Abeille*, Gervais' *Un Cas de Conscience*, Laurien's *Mémoires d'Un Collégien*, Enault's *Le Chien du Capitaine*, Gréville's *Dosia*, Halévy's *L' Abbé Constantin*, Saintine's *Picciola*; study of the literature in connection with the texts; abstracts. Three hours a week; second term; 6 credits for the entire year.

Course III.—Study of syntax; oral practice; prose composition; memorizing of poems; more rapid class and private reading of such texts as La Brête's *Mon Oncle et Mon Curé*, Daudet's *Le Petit Chose*, Dumas' *La Tulipe Noire*, Mérimée's *Colomba*, Sand's *La Petite Fadette*, Lamartine's *Jeanne d'Arc*, Lesage's *Gil Blas*, Marguerite's *Strasbourg*, Souvestre's *Un Philosophe sous les Toits*, Theuriet's *Bigarreau*, Vigny's *Le Cachet Rouge*; abstracts; study of the literature in connection with the texts; study of French life and customs. Three hours a week; first term.

Course IV.—Continuation of Course III. Class and parallel reading from such texts as Balzac's *Le Curé de Tours*, Beaumarchais' *Le Barbier de Seville*, Gautier's *Jettatura*, Daudet's *Tartarin de Tarascon*, Féval's *La Fée des Grèves*, La Fayette's *La Princesse de Clèves*, Lamartine's *Graziella*, Loti's *Pêcheur d'Islande*, Pailleron's *Le Monde où l'on s'ennuie*, Corneille's *Le Cid*, Molière's *Le Bourgeois Gentilhomme*, Racine's *Athalie*, Hugo's *Hernani*. Three hours a week; second term; 6 credits for the entire year.

Course V.—Composition; oral practice; dictation; memorizing poems; history of French literature, using book written in French; more extensive class and private reading from such texts as Corneille's *Cinna*, Polyeucte and *Nicomède*, Molière's *A'vare*, *Le Misanthrope*, *Les Fourberies de Scapin* and *Les Femmes Savantes*, Racine's *Andromaque*, *Les Plaideurs* and *Phèdre*, Le-

sage's Turcaret, Balzac's *Le Père Goriot*, Voltaire's *Prose*, Hugo's *Ruy Blas*, Pascal; abstracts. Three hours a week; first term.

Course VI.—Continuation of Course V. Class and parallel reading will be from such texts as Bazin's *Les Oberlé*, Hugo's *Les Burgraves*, *Les Misérables* and *Les Travailleurs de la Mer*, Bornier's *La Fille de Roland*, Balzac's *Eugénie Grandet*, Boileau-Despreaux' *Les Héros de Roman*; *La Fontaine's Fables*, Rostand's *Cyrano de Bergerac* and *La Princesse Loïtaine*, Rotrou's *Saint Genest* and *Venceslas*, *Maîtres de la Critique au XIX^{me} Siècle*, selections from contemporary French writers, selections from difficult modern French. Three hours a week; second term; 6 credits for the entire year.

Courses V. and VI. alternate with German V. and VI.

GERMAN.

Course I.—Grammar; oral and written exercises; dictation; memorizing poems; reading of such texts as Hauff's *Das Kalte Herz*, Fulda's *Unter vier Augen*, Spyri's *Rosenresli*, Zschokke's *Der zerbrochene Krug*. Three hours a week; first term.

Course II.—Continuation of Course I. Class and private reading will be from such texts as Bacon's *Im Vaterland*, Baumbach's *Nicotiana*, Carmen Silva's *Aus meinem Königreich*, Gerstäcker's *Germelshausen*, Heyse's *L'Arrabbiata*, Seidel's *Aus goldenen Tagen*, Storm's *Immensee*, Zschokke's *Das Wirtshaus zu Cransac*. Study of the literature in connection with texts; abstracts. Three hours a week; second term; 6 credits for the entire year.

Course III.—Study of syntax; oral practice: dictation; memorizing of poems; prose composition; more rapid class and supplementary reading of such texts as Baumbach's *Das Habichtsfraulein* and *Die Nonna*, Benedix's *Die Hochzeitsreise*, Fouqué's *Undine*, Frommel's *Eingeschneit*, Gerstäcker's *Irrfahrten*, Heyse's *Das Mädchen von Treppi*, Jensen's *Die braune Erica*, Moser's *Bibliothekar*, Stokl's *Unter dem Christbaum*; study of the

literature in connection with texts; abstracts; study of German life and customs. Three hours a week; first term.

Course IV.—Continuation of Course III. Class and parallel reading will be from such texts as Baumbach's *Frau Holde*, Freytag's *Die Journalisten*, Goethe's *Hermann und Dorothea* and *Vicar von Sesenheim*, Heine's *Harzreise*, Hauff's *Lichtenstein*, Lessing's *Minna von Barnhelm*. Meyer's *Der Heilige*, Scheffel's *Der Trompeter von Säkkingen*, Schiller's *Maria Stuart* and *Wilhelm Tell*, Stifter's *Das Haidedorf*. Three hours a week; second term; 6 credits for the entire year.

Course V.—Composition; oral practice; memorizing of poems; history of German literature, using a book written in German; more extensive class and supplementary reading of such texts as Schiller's *Wallenstein* and *Braut von Messina*, Goethe's *Faust*, *Götz von Berlichingen*, Torquato Tasso, *Iphigenie auf Tauris*, *Dichtung und Wahrheit* and *Reinecke Fuchs*, Lessing's *Nathan der Weise*, *Emilia Galotti* and *Hamburgische Dramaturgie*, Freytag's *Das Nest der Zaunkönige*, Sudermann's *Frau Sorge*, *Fulda's Talisman*; abstracts. Three hours a week; first term.

Course VI.—Continuation of Course V. Class and parallel reading will be from such texts as Scheffel's *Ekkehard*, Hauptmann's *Die versunkene Glocke*, Sudermann's *Heimat* and *Johannes*, Wildenbruch's *Harold*, Wagner's *Die Meistersinger von Nürnberg*, Wilbrandt's *Der Meister von Palmyra*, Von Sybel's *Die Erhebung Europas gegen Napoleon I*, Modern German prose, Journalistic German, selections from Luther's writings. Three hours a week; second term; 6 credits for the entire year.

Courses V. and VI. alternate with French V. and VI.

SPANISH.

Course I.—Grammar; oral and written exercises; dictation; memorizing of poems; class and supplementary reading from such selections as *Flores de España*, Asensi's *Victoria y otros*

Cuentos, Alarcon's *Novelas Cortas*, Toboada's *Cuentos Alegres*; abstracts. Three hours a week; first term.

Course II.—Continuation of Course I. Class and private reading will be selected from works of Alarcon, Bazan, Becquer, Caballero, Echegaray, Escrich, Galdós, Gil y Zarate, Gutierrez, Larra, Moratín, Padre Isla, Tamayo y Baus, Valdés and Valera; correspondence; study of the literature in connection with the text; study of Spanish life and customs. Three hours a week; 6 credits for the entire year.

It is expected that only students who have had two years of French, or four of Latin, or are in the Junior or Senior Class, will take these courses in Spanish.

PHILOSOPHY AND PSYCHOLOGY.

PROFESSOR FERGUSON.

ASSOCIATE PROFESSOR BENNETT.

Course I.—*Psychology.*—General elementary psychology regarded mainly from the physiological and functional viewpoints, with individual and class experiments and educational applications. Lectures, text and collateral study, experiments and closely related observations at Model School. Text-books, Angell's *Psychology* and James's *Talks to Teachers on Psychology*. Three hours a week; first term; 3 credits.

Course II.—*Psychology.*—Continuation of Course I. Three hours a week; second terms; 3 credits.

Course III.—*Genetic Psychology.*—A study of the beginnings and development of intellect in animal and child life, the dominant activities at different stages of development and their educational significance. Three hours a week; first term; 3 credits. Courses I. and II. prerequisite.

Course IV.—*Child Psychology.*—Child psychology and physiology with direct reference to practical problems of school and home hygiene, fatigue, defects and abnormalities, and the normal unfolding of physical and intellectual powers and instincts

with the educational adjustment appropriate thereto. Three hours a week; second term; 3 credits. Courses I. and II. prerequisite.

Course V.—Ethics.—Historic and evolutionary view of doctrines leading to a constructive theory, and applications to social conditions and daily life. Text-book—Dewey and Tuft's *Ethics*. Three hours a week; first term; 3 credits.

Course VI.—Logic.—Deductive and inductive, with drill in practical application to analysis of arguments. Text-book—Creighton's *Introductory Logic*. Three hours a week; second term; 3 credits.

Course VII.—History of Philosophy.—Ancient and Mediaeval periods. Traces leading systems of thought in their development and relation to each other, and to intellectual, social and political life, with parallel biographical study of great philosophers. Text-book—Weber's *History of Philosophy*. Courses V. and VI. and three courses of history prerequisite. Three hours a week; first term; 3 credits. (Professor Bennett.)

Course VIII.—History of Philosophy.—Modern Period—A continuation of Course VII. with particular reference to present day problems and systems of thought. Three hours a week; second term; 3 credits. (Professor Bennett.)

LATIN.

PROFESSOR CLARK.

Courses I. and II.—Six books of Virgil's Aeneid. Parallel reading. Latin versification as shown in the hexameter metre. Grammar work and selected exercises in prose composition. Three hours a week; both terms; 6 credits.

Course III.—Roman Historians. Selections from The Gallic War (latter books) or Nepos. Reading of Latin and certain methods of findings one's way through the Latin sentence. Selections from Livy. Informal lectures on Roman Historians.

Prose composition at discretion of instructor. Three hours a week; first term; 3 credits.

Course IV.—Latin Lyric Poetry. A general view of Roman Lyric Poetry; selections from the poets from Ennius to Christian Hymns. Parallel reading in Roman literature. Selected Odes of Horace. Reading of the more important Horatian metres. Three hours a week; second term; 3 credits.

Course V. and VI.—These courses will vary from year to year to suit the needs of the students. Last year V. was a course in Pliny the Younger and VI was an introduction to Roman Philosophy. For 1913-14 it is contemplated to give: V. Roman Comedy; VI. The Minor Works of Tacitus or Roman Satire. Three hours a week throughout the year. Each course 3 credits.

Students who have read Vergil in preparatory schools will be admitted to courses III. and IV. by special permission or examination. Those who wish to enter course I. may, at the discretion of the instructor, be required to pass an examination.

No credit will be allowed for work done in preparatory schools except on examination.

GREEK.

PROFESSOR CLARK.

Course I.—Brugess and Bonner's Elementary Greek. In course I. the chief aim is to equip the student with a thorough and accurate knowledge of the forms, together with an accurate general knowledge of the syntax. Three hours a week; first term.

Course II.—Moss's or Colson's Greek Reader. Continuation of Burgess and Bonner's Elementary Greek. Prose composition based on text read. Three hours a week; second term; 6 credits for the year.

Course III.—Selections from the Iliad. Hadley-Allen's or Goodwin's Grammar. Prose composition. Parallel. Three hours; first term; 3 credits.

Course IV.—Orations of Lysias (Adams) or Plato's Apology and Crito with selections from Xenophon's Memorabilia. Hadley-Allen's or Goodwin's Grammar. Wright's Greek Literature. Parallel. Three hours a week; second term; 3 credits.

Courses V. and VI.—These courses will vary from year to year to suit the needs of the students. For 1913-14 Course V. will be an introduction to Greek Tragedy—Aeschylus' Prometheus Bound and Euripides' Iphigenia among the Taurians will be read. Lectures and assigned readings in the History of Greek Literature. Wright's Greek Literature. Course VI. will be Attic Orators. Demosthenes on the Crown. Lectures on the political and literary history of the Age of Demosthenes. Parallel. Three hours a week throughout the year. Each course: 3 credits.

PART III.

DEPARTMENT OF NORMAL TRAINING

REGISTER OF NORMAL STUDENTS

APPOINTMENT OF STATE STUDENTS

DIPLOMAS AND CERTIFICATES

COMMITTEE ON RECOMMENDATIONS

COURSES FOR TEACHERS

OBSERVATION AND PRACTICE SCHOOL

Students Taking Normal Work

This list is repeated from the general roll.

THE COLLEGE.

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- | | |
|-------------------------------|------------------------------|
| *Agee, Kenneth Arnold | *Hedrick, John Wilmer |
| Allender, Charles Webster | Hogan, Edward Joseph |
| *Armistead, Meriwether Irving | Holler, Carl Wise |
| *Barnes, James Foster | *Horne, John Robert |
| *Beale, Alvin Francis | *Hubbard, Sam Hildreth, Jr. |
| *Bennett, Louis Amos | James, Arthur Wilson |
| *Bennington, Seth | *James, Edwin Ralph |
| Brodowsky, Abraham Alexander | *Jennings, Clarence |
| *Brooks, Gardiner Tyler | Jones, Lewis, Jr. |
| *Caldwell, George Thornhill | *Kyle, Zelma Talmage |
| *Carter, Harry Lee | *Leach, Edgar Alutus |
| *Cato, John Henry, Jr. | *Lewis, Henry Martin |
| *Charles, Benton Crooks | *Lewey, Frank Allen |
| *Combs, Robert Lincoln | *Maffette, Raymond |
| *Cooke, Francis West | *Major, Everett Waverly |
| *Cooper, Alvin Carle | Massey, John William |
| *Dameron, Wilbur Robbins | *Metcalf, Wayne Carr |
| *Davis, Sylvan Theron | *Metcalf, William Franklin |
| *Deacon, Elmer Hanger | Moore, John Dameron, Jr. |
| *Deel, William Oscar | *Moss, Peyton Harriss |
| *Deierhoi, William Hansen | *Neale, Thomas Sherman |
| *Duke, William James | *Outland, Grover Cleveland |
| *Echols, Floyd Leslie | *Palmer, Richard Otis |
| *Gale, Joseph Bronson | Peachy, Bathurst Dangerfield |
| Games, Lemuel Francis | *Pierce, Alfred Kerkley, Jr. |
| *Garland, Andrew Leckie | *Renick, Charles Clark. |
| *Garnett, Frank McCall | *Rosenbalm, Robert Lee. |
| *Garth, Bernard Allen | *Sawyer, Walter Lee |
| *Givens, Emmett Edmonson | *Scheie, Leif Ericson |
| *Graefe, Arthur Marshall | *Scott, Charles Alexander |
| *Griggs, Douglas Meriwether | *Scott, Howard Cecil |
| *Guy, Vernon Lawrence | *Shelhorse, James Byron |
| *Hamilton, Henry Rufus | *Shockley, Noan |
| *Harris, William Durham | *Smith, Robert Guy, Jr. |

- *Smyth, Arlington Raymond
- *Somers, Wilson Edward
- *Stephens, James Warren
- *Taylor, John Eldredge
- *Taylor, Preston Philips
Thomas, Earl Baldwin
Tilley, Thomas Chapman
- *Tucker, Arthur Peoples
- *Tucker, John Lewis
- *Turner, Henry Atwill
- *Turpin, Edward Henry
- *Walton, Leon Jerl
- *Warburton, Robert Clarence
- *Watts, Cecil Everett
Wells, Edward Brent
- *White, Fitzhugh Lee
- *Wilkinson, Thomas Eppa
- *Williams, Harvey Page
- *Winsbro, William
- *Womack, Hugh Leonard
- *Woods, Bittle Winfred
- *Woodson, Wilbert Tucker
- *Wright, Ernest Linwood
- *Zehmer, George Baskerville
- *Zion, William Earl

THE ACADEMY.

- *Addison, Edward
- *Adams, William Carson
- *Agee, James Lawrence, Jr.
- *Barnett, Rowland David
- *Bolling, Alonzo
- *Booth, Roy Piruss
- *Booth, George Wythe
- *Bradshaw, Joel Jacob
Brent, William Seymour
- *Brown, Harry McChesney
- *Burford, Edward Scott
- *Burke, Charles Edward
- *Carmines, Daniel Henry
- *Clary, Hugh Valentine
- *Corbell, John David
- *Crider, David Raleigh
- *Crockett, Cecil Clinton
Davis, John Andrew Gardner
- *Doss, Rob Roy
- *Earley, Frank Purver
Elcan, Paul Barringer
- *Fletcher, William Roy
- *Forbes, Charles William
- *Forbes, Rodman Dibrew
- *Gaulding, Hardy Munford
- *Gilliam, Maxie Parker
- *Gray, Oscar Stanley
Griffith, Julian Hungerford
- *Grimsley, William Morgan
- *Healy, Charles Waples
- *Hogan, William
- *Hubbard, Herman Reed
- *Hudson, John Guy
- *Hudson, Benjamin Harrison
- *Jackson, Douglas Cary
- *Jenkins, Floyd Franklin
Jones, Joseph Thomas
- *Jones, Elmer Roy
- *Jones, Raymond Leslie
Jones, Paul Monroe, Jr.
- Joyce, Willie Lee
- *Lacy, Theophilus Archibald
- *Land, Ashby Butt
Lawson, John Raymond
Leatherbury, Alonzo Taylor
- *Lester, Walter Calahill
- *Lewis, Malachi Ruben
- *Lohr, Durward Preston
- *Lupton, Thomas Allen
- *Maddox, Arthur Lee
Martin, Talmage
Mitchell, Howard Lisle
- *Moore, Robert William
- *Moore, Richard Aubrey
- *Moss, Charles Westley
Neblett, Robert Baskerville
- *Newton, Robert Murphy
- *Ownbey, Arthur Dennis
- *Palmer, Walter Cary, Jr.
Peatross, Oscar Bruce
- *Petty, Oscar Viers

- *Powers, Willie Andrew
- *Prillaman, Henry Andrew
- *Pritchett, Harry Wooding
- *Ramey, William Barlow
- *Rash, David Orgain
- *Reeve, Joseph Cooper
- *Roane, Robley David
- *Robertson, Isaac Wiley
- *Scott, Elmon Lee
- *Settle, Thomas Henry
- *Simms, Henry Harrison
- *Smith, Jesse Fielding
- *Smith, Lee Emerson
- *Spriggs, Henry Lacy
- Stryker, Henry Morris
- *Trice, John Barrett
- *Webb, Nathaniel Jarrett
- *Webb, James Duncan
- *West, Willie Clyde
- *Weisel, Samuel Ries
- *Wood, Claude Reams
- *Wood, Basil Manly
- *Young, Jacob Morris

*Pledged to teach two years in the public schools of Virginia.

The William and Mary System of Normal Training

The State maintains at William and Mary a system of Normal Instruction and Training, comprising:

1. The Observation and Practice School, consisting of all grades of the Williamsburg Graded and High School, for practice teaching, demonstration of the best modern methods, and laboratory study of educational problems.

2. The Normal Academy, consisting of the first three years of the Teacher's Courses.

3. The College as correlated with the Normal Academy; (a) *continuing through two years of prescribed work* the Teacher's Courses leading to the Teachers' Diploma; and (b) offering seven full courses in Education and Normal Training and two courses in Psychology *beyond the work for the Teachers' Diploma*.

The Observation and Practice School is correlated with the public school of Williamsburg and affords opportunity to the normal students for observation of the working out of daily school problems and of practice teaching under expert supervision.

The Normal Academy consists of three years of academic and normal instruction which correlated with and continued by the two years of outlined academic and normal work in the college, make up the five years of the Teachers' Courses leading to the Teachers' Diploma.

The college, as correlated with the Academy, includes these last two years of the Teachers' courses. Under the provisions of the State charter all the regular academic courses of the college are also open to State students of college grade. Two more years are usually required beyond the Teachers' Diploma to complete the work for the degree of Bachelor of Arts or Science, but classes in Education and Normal Training may be continued throughout all courses and for all degrees.

Appointment of State Students

EVERY DIVISION SUPERINTENDENT OF SCHOOLS in the State is empowered by law to nominate as many students as his county or city has representatives in the House of Delegates, provided that every county or city shall be entitled to at least one student. The nomination must contain an endorsement by the Superintendent as to the moral character, ability, age, and the general fitness of the applicant to profit by a course of instruction in the college.

UNDER THE PROVISIONS OF THE LAW requiring the Board of Visitors to prescribe rules for the examination and selection of the pupils applying for instruction as teachers, all persons nominated by the Superintendents are required to give evidence by certificate or examination of the completion of the common school branches. This constitutes the minimum requirements for admission to the first year of the Normal Academy. As the scholarships are granted for the purpose of qualifying young men to teach in the public schools, they may at any time be forfeited by negligence, disorderly conduct, or failure to make proper progress, or for any other reason justifying the Faculty in concluding that the student cannot be safely trusted with a school. They are special privileges which must be deserved, and may not be enjoyed by the incompetent.

SUPERINTENDENTS OF SCHOOLS are asked to nominate all proper applicants, without reference to whether the quota is supplied or not. The Board of Visitors is required by law to fill from the State at large all vacancies, and they wish to have as many young men as possible enjoy the advantages offered by the college.

SUPERINTENDENTS OF SCHOOLS, however, should take care not to give a recommendation to any applicant who is not ef-

ficiently prepared on the common school branches, and who is not honestly determined to fulfil his pledge to the State.

ALL STATE STUDENTS are required to sign the following pledge:

In consideration of receipt from the State of Virginia of Free Tuition in the Teachers' Courses and other advantages incident to appointment as a State student of the College of William and Mary, and

In compliance with the requirements of law, I hereby pledge myself to teach in the public schools of Virginia for a period of two years.

Witness my hand,

.....

EXPENSES OF STUDENTS HOLDING STATE SCHOLARSHIPS.

Board, including heat, light, laundry, and attendance—\$12.00 per month (payable monthly in advance).....	\$108.00
Room rent—\$1.00 per month (payable monthly in advance).....	9.00
Matriculation fee (payable on entrance).....	15.00
	<hr/>
Total necessary cost per Session.....	\$132.00

In addition to the above the student will deposit a contingent fee of \$3.00, which is returnable at the end of the year, if no damage is done by him to the College property. He will also be required to pay a laboratory fee of \$1.50 for each course taken in Biology, Chemistry, and Manual Arts. The laboratory fees seldom amount to more than \$6.00 per year.

Diplomas and Certificates

THE TEACHERS' DIPLOMA.

The satisfactory completion of one of the Teachers' Courses entitles the student to a *Teachers' Diploma*, upon which will be granted a "*State Normal School Certificate*" which "shall continue in force for ten years and may be renewed for a similar period as provided" by the regulations of the State Board of Education.

All work of collegiate grade done in securing a *Teachers' Diploma* will be allowed full credit toward college degrees, and the special privileges of State students will be continued during the pursuance of such higher courses (see page 45).

CERTIFICATE OF GRADUATION IN EDUCATION.

Any student who has met the requirements for the Teacher's Diploma and a bachelor's degree, and shall have received ten higher credits in Education, shall receive in addition to his diploma and degree, a Certificate of Graduation in Education.

Committee on Recommendations

The college maintains a bureau, composed of a committee of the Faculty, to help alumni and students to find positions as teachers. Practically all the graduates of the normal department and holders of Teachers' Diplomas are placed in good positions. The policy of the bureau is to assist good teachers to promotion as well as to secure places for students just beginning to teach. Applications for teachers or for promotions should be made to H. L. Bridges, Registrar of the College.

Outline of Teachers' Courses

The first three years of the Teachers' Normal Course, leading to the Teachers' Diploma, *are of sub-collegiate grade, and are given in the Normal Academy.* The fourth and fifth years are of collegiate grade, and are given by the different collegiate departments. The entire course is outlined below.

The prescribed courses have been planned, *first*, to afford the prospective teacher a thorough knowledge of the subjects included in the best modern public school curricula; *second*, to give not less than three full years' work in professional study and training in the fields of (a) principles of teaching, (b) general and special methods, (c) historic and modern school systems, (d) school laws, organization and management, (e) observation and practice teaching; *third*, to allow the student to select, within well prescribed limits, and to pursue during the fourth and fifth years of his course certain groups of studies, thus securing special fitness and training to teach those subjects with success in secondary schools. This grouping of subjects gives rise to two courses known as: THE LANGUAGE AND HISTORY COURSE AND THE SCIENCE COURSE. Further work in Educational and Normal Training may be continued after the completion of the courses outlined below.

LANGUAGE AND HISTORY COURSE.

FIRST YEAR.

FIRST TERM.		SECOND TERM.	
	Per Week.		Per Week.
English (A).....	5 hrs.	English (A) continued.....	5 hrs.
Mathematics (A), Arithmetic and Algebra.....	5 hrs.	Mathematics (A), Arithmetic and Algebra.....	5 hrs.
Latin (A), (Beginning).....	5 hrs.	Latin (A) continued.....	5 hrs.
Physical Geography (A).....	3 hrs.	Physical Geography (A).....	3 hrs.
Drawing (A).....	2 hrs.	Drawing (A).....	2 hrs.
	20 hrs.		20 hrs.

SECOND YEAR.

English (B).....	4 hrs.	English (B) continued.....	4 hrs.
Mathematics (B), Algebra...	3 hrs.	Mathematics (B), Algebra..	3 hrs.
Latin (B), Grammar Reviewed—Cæsar.....	4 hrs.	Latin (B) continued—Cæsar.	4 hrs.
Civics and Virginia History (B).....	3 hrs.	Civics and Virginia History (B).....	3 hrs.
Manual Arts (B).....	2 hrs.	Manual Arts (B).....	2 hrs.
Sanitation (B).....	2 hrs.	Botany (B).....	2 hrs.
			<hr/>
	18 hrs.		18 hrs.

THIRD YEAR.

English (C).....	4 hrs.	English (C).....	4 hrs.
Mathematics (C), Plane Geometry.....	3 hrs.	Mathematics (C), Plane Geometry.....	3 hrs.
Latin (C), Cicero.....	4 hrs.	Latin (C), Cicero.....	4 hrs.
General History (C).....	4 hrs.	General History (C).....	4 hrs.
Education (C).....	3 hrs.	Education (C).....	3 hrs.
			<hr/>
	18 hrs.		18 hrs.

Physical Culture—Four periods per week from Nov. 1st to April 1st.

FOURTH YEAR—FIRST COLLEGIATE YEAR.

FIRST TERM.		SECOND TERM.	
Psychology I.....	3 hrs.	Psychology II.....	3 hrs.
English V.....	3 hrs.	English XII.....	2 hrs.
Latin I. (Virgil).....	3 hrs.	Latin II. (Virgil).....	3 hrs.
History I.....	3 hrs.	History V.....	3 hrs.
Mathematics I. (Trigonometry).....	3 hrs.	Mathematics III. (Solid Geometry).....	2 hrs.
	<hr/>	Drawing II. (Blackboard Sketching).....	2 hrs.
	15 hrs.		<hr/>
			15 hrs.

Physical Culture—Four hours a week from Nov. 1st to April 1st.

FIFTH YEAR—SECOND COLLEGIATE YEAR.

Education III.....	3 hrs.	Education IV.....	3 hrs.
English I.....	2 hrs.	English IV.....	2 hrs.
Zoology I. (Physiology).....	5 hrs.	History II.....	3 hrs.
Physics I.....	5 hrs.	Physics II.....	5 hrs.
	<hr/>		<hr/>
	15 hrs.		13 hrs.

Education V.—Practice Teaching is required of all students in this year.

SCIENCE COURSE.

The first two years of the Science Course are the same as the first two years of the Language and History Course. Those who are candidates for the Science Diploma will be permitted in the third year to drop Latin, if desired, and take Elementary Chemistry in the first term and Agriculture in the second term. They are also required to elect one of the optional subjects given below.

THIRD YEAR.

English (C).....	4 hrs.	English (C).....	4 hrs.
Mathematics (C), Plane Ge-		Mathematics (C), Plane Ge-	
ometry.....	3 hrs.	ometry.....	3 hrs.
General History (C).....	4 hrs.	General History (C).....	4 hrs.
Education (C).....	3 hrs.	Education (C).....	3 hrs.
Chemistry (C).....	3 hrs.	Agriculture (C).....	3 hrs.
Choose one course below.	2 or 3 hrs.	Choose one course below.	2 or 3 hrs.
<hr/>		<hr/>	
19 or 20 hrs.		19 or 20 hrs.	

Physical Culture—Four hours a week from Nov. 1st to April 1st.

ELECTIVES.

Drawing (C) (Mechanical		Drawing (C) (Blackboard	
Drawing).....	2 hrs.	Drawing).....	2 hrs.
Woodworking (C).....	2 hrs.	Woodworking (C).....	2 hrs.
French (C).....	3 hrs.	French (C).....	3 hrs.
German (C).....	3 hrs.	German (C).....	3 hrs.

FOURTH YEAR—FIRST COLLEGIATE YEAR.

FIRST TERM.		SECOND TERM.	
Psychology I.....	3 hrs.	Psychology II.....	3 hrs.
English V.....	3 hrs.	English XII.....	2 hrs.
Mathematics I. (Trigono-		Mathematics III. (Solid Geo-	
metry).....	3 hrs.	metry).....	2 hrs.
Chemistry I.....	5 hrs.	Chemistry II.....	5 hrs.
<hr/>		Drawing II. (Blackboard	
14 hrs.		Sketching).....	2 hrs.
		<hr/>	
		14 hrs.	

Physical Culture—Four hours a week from Nov. 1st to April 1st.

FIFTH YEAR—SECOND COLLEGIATE YEAR.

Education III.....	3 hrs.	Education IV.....	3 hrs.
Physics I.....	5 hrs.	Physics II.....	5 hrs.
Zoology I. (Physiology).....	5 hrs.	Botany I.....	5 hrs.
	<hr/>		<hr/>
	13 hrs.		13 hrs.

Education V.—Practice Teaching—is required of all students in this year.

A total of 60 credit hours is required for a Teacher's Diploma. The student should therefore elect one course of three hours in addition to the above prescribed courses.

TWO YEAR NORMAL COURSE FOR GRADUATES OF HIGH SCHOOLS.

Since a considerable part of the Normal Academy course consists of professional work specifically for teachers, which the student does not obtain in the public high school, it has been found desirable to have those students who enter from the high schools follow a somewhat different curriculum from that required for graduates of the Normal Academy. Thus students from high school who enter with twelve units or more, although without special preparation in Education, Drawing and Manual Arts are enabled to complete the work for the Teachers' Diploma in two years. Those who enter on State Scholarships and present twelve units for entrance will take either the Language and History Course or the Science Course as outlined below.

LANGUAGE AND HISTORY COURSE.

FIRST COLLEGIATE YEAR.

FALL TERM.		SPRING TERM.	
Education I.....	3 hrs.	Education II.....	3 hrs.
Psychology I.....	3 hrs.	Psychology II.....	3 hrs.
English V.....	3 hrs.	English XII.....	2 hrs.
Virgil or Cicero*.....	3 hrs.	Virgil or Cicero*.....	3 hrs.
Mathematics I. (Trigonometry).....	3 hrs.	History V.....	3 hrs.
	<hr/>	Mathematics III. (Solid Geometry).....	2 hrs.
	15 hrs.		<hr/>
			16 hrs.

Physical Culture is required four hours a week, Nov. 1st to April 1st.

*Those who do not present three years of Latin for entrance will read Cicero instead of Virgil. This class will be taught by the head of the Department of Latin and is open only to those who enter with twelve units. It will be accepted for credit toward the Teacher's Diploma, but will not be accepted for credit toward the bachelor's degree.

SECOND COLLEGIATE YEAR.

Education III.....	3 hrs.	Education IV.....	3 hrs.
English I.....	2 hrs.	English IV.....	2 hrs.
Zoology I. (Physiology).....	5 hrs.	History II.....	3 hrs.
History I.....	3 hrs.	Drawing II. (Blackboard	
Freehand Drawing.....	2 hrs.	Sketching).....	2 hrs.
	<hr/>	Manual Arts.....	2 hrs.
	15 hrs.		<hr/>
			12 hrs.

Education V.—Practice Teaching—is required of all students in this year.

SCIENCE COURSE.

FIRST COLLEGIATE YEAR.

FALL TERM.		SPRING TERM.	
Education I.....	3 hrs.	Education II.....	3 hrs.
Psychology I.....	3 hrs.	Psychology II.....	3 hrs.
English V.....	3 hrs.	English XII.....	2 hrs.
Mathematics I. (Trigonome-		Mathematics III. (Solid Geo-	
try).....	3 hrs.	metry).....	2 hrs.
Chemistry I.....	5 hrs.	Chemistry II.....	5 hrs.
	<hr/>		<hr/>
	17 hrs.		15 hrs.

Physical Culture—Four hours a week from Nov. 1st to April 1st.

SECOND COLLEGIATE YEAR.

Education III.....	3 hrs.	Education IV.....	3 hrs.
Physics I.....	5 hrs.	Physics II.....	5 hrs.
Zoology I. (Physiology).....	5 hrs.	Botany I.....	5 hrs.
Freehand Drawing.....	2 hrs.	Drawing II.....	2 hrs.
	<hr/>	Manual Arts.....	2 hrs.
	15 hrs.		<hr/>
			17 hrs.

Education V.—Practice Teaching is required of all students in this year.

Description in Detail of the Teachers' Courses

For description of First Three Years—See Normal Academy page 110.

FOURTH AND FIFTH YEARS.

The fourth and fifth years of the work in the Teachers' Courses are made up from the following courses in the various departments of the college, the order in which they are given being found in the schedule of courses on pages 82-85. Nearly all of these courses have credit value toward the Bachelor of Arts or Bachelor of Science degree.

ENGLISH.

Course V.—Rhetoric; the sentence; the paragraph; description; narration; exposition; argumentation. Frequent themes and praxis work. (*Required in all diplomas and degrees*). Three hours a week; first term; 3 credits.

Course XII.—Advanced grammar; comparative study of best text-books. Disputed points in syntax. (*Required of all State Students*). Two hours a week; second term; 2 credits.

Course I.—The study of words; words and their ways in English speech; slang; fashions in language; popular etymology; other phenomena of language. Two hours a week; first term; 2 credits.

Course IV.—Analytical study of a play of Shakespeare; parallel reading in Shakespeare and other Elizabethan dramatists. Essays based upon the work in class. Two hours a week; second term; 2 credits.

LATIN.

Courses I. and II.—Virgil. Six books of Virgil's Aeneid. Parallel reading. Latin versification as shown in the hexameter

meter. Grammar work and selected exercises in prose composition. Required in the Language and History Course. Three hours a week; both terms; 6 credits.

Course III.—Roman Historians.—Selections from the Gallic War (latter books) or Nepos. Reading of Latin and certain methods of finding one's way through the Latin sentence. Selections from Livy. Informal lectures on Roman Historians. Prose composition at discretion of instructor. Three hours a week; 3 credits.

Course IV.—Latin Lyric Poetry.—A general view of Roman Lyric Poetry; selections from the poets from Ennius to Christian Hymns. Parallel reading in Roman literature. Selected odes of Horace. Reading of the most important Horatian metres. Three hours a week; second term; 3 credits.

MATHEMATICS.

Course I.—Plane Trigonometry.—Required in the Language and History Course and in the Science Course. Three hours a week; first term; 3 credits.

Course III.—Solid Geometry.—Required in the Language and History Course and in the Science Course. Two hours a week; second term; 2 credits.

Course IV.—Plane Analytic Geometry.—Elective in Language and History Course and in Science Course. Three hours a week; first term; 3 credits.

ZOOLOGY.

Course I.—Elementary Human Physiology.—The fundamentals of human physiology, with the anatomy and histology necessary to a clear understanding of the physiological processes discussed. A knowledge of high school physiology is presupposed. Required in the Language and History Course and in the Science Course. Lectures 3 hours; laboratory 4 hours; first term; 5 credits.

Course II.—Elementary Zoology.—A general course in Zoology covering the great groups of the animal kingdom as thoroughly as time will permit. Elective in the Science Course; lec-

tures three hours; laboratory four hours a week; second term; 5 credits.

BOTANY.

Course I.—Elementary Botany.—A morphological study of the four great plant groups along with the basic principles of plant physiology and ecology. Elective in the Language and History Course; required in the Science course; lectures three hours; laboratory four hours a week; second term; 5 credits.

CHEMISTRY.

Course I.—General Inorganic Chemistry.—Descriptive and experimental lectures, recitations and problems; laboratory work. Required in the Science Course. Lectures three hours; laboratory four hours a week; first term; 5 credits.

Course II.—A continuation of Course I. with the addition of a brief introduction to Organic Chemistry. Required in the Science Course. Lectures three hours; laboratory four hours per week; second term; 5 credits.

An additional year of Chemistry may be elected in the Science Course.

DRAWING AND MANUAL ARTS.

Freehand Drawing.—Application to school problems. Color analysis as a force. Specific mission, application to textiles, interiors, costumes, etc. A course required of high school graduates who have not had the subject. A prerequisite for Drawing II. Two hours a week; first term.

Drawing II.—Blackboard Sketching.—Rapid blackboard sketching; use of the blackboard in teaching; type characteristics emphasized in drawing from nature, flowers, still life, animals and figures, mediums, chalk, charcoal and crayon. Two hours a week; second term; 2 credits (toward B. S. degree).

Manual Arts.—Practical problems in construction. Study of color schemes and their adaptation. Freehand Drawing prerequisite. Two periods of two hours each a week; second term.

Manual Arts I. and II.—Woodworking.—For elementary and secondary schools; shop work; study of materials and methods of instruction. This course aims primarily at a training in the technical processes of woodworking as a basis for instruction in the elementary and secondary schools. An analysis of the action of cutting tools is made and the introduction of tools in class use discussed. Methods of Manual Training instruction are studied at length, and the presentation of typical projects suitable for the upper grades is considered in detail. 4 credits (toward a B. S. degree).

HISTORY.

History I.—History of Greece and Rome with text-book and lectures. Parallel reading. Assigned work in the library. Required in Language and History Course. Three hours a week; first term; 3 credits.

History II.—History of Western Europe; Middle Ages and Development of Modern Europe. Text-book, lectures, and parallel reading. Special topics for investigation. Required in the Language and History Course. Three hours a week; second term; 3 credits.

History V.—American History. An outline course in the study of the founding, development and growth of the United States. Methods in the teaching of history studied. Text-book, lectures and parallel reading. Special reading in the library and investigations of individual subjects will be assigned. Required in the Language and History Course. Three hours a week; second term; 3 credits.

PHYSICS.

Physics I. and II.—These two courses constitute a year's work in general physics. No previous study of physics is required for admission to Course I., but the student should have an elementary knowledge of plane trigonometry. High School physics will in no case be accepted as a substitute for this year's work. The class uses a text and much emphasis is laid on the solution of practical problems.

In these courses the needs of public school teachers are kept constantly in mind. Especially in the laboratory work the effort is made, not only to train the student in habits of scientific observation, but also to help him meet some of the difficulties of inadequate laboratory equipment by which the teacher is so often handicapped. Lectures 3 hours a week, and two laboratory periods of two hours each; both terms, 5 credits each term.

EDUCATION.

Course I.—Elements of Management and Method.—A practical introductory course treating of the organization and management of schools, their relation to community life, of school hygiene and of training pupils to study. Observations, readings, study of a text. Three hours a week; first term; 3 credits. Required of all State students who do not offer Education C (Academy) for entrance.

Course II.—Methods of Teaching.—The aims and types of teaching studied and applied to common school subjects. Training is given in the analysis of lessons observed at the Model School, in questioning, in analyzing practical problems, correlating subjects, adapting methods and planning lessons. Study of text, readings and abstracts, discussions, observations, and reports. Required of all State students who do not offer education C (Academy) for entrance. Three hours a week; second term; 3 credits.

Course III.—Principles of Education.—Based on Courses I. and II., which are essentially concrete, and on Psychology I. and II., this course seeks to give the student a mastery of current doctrines of Educational Psychology, of their bases and applications, an acquaintance with the literature thereon, and a study of their adaptation to various local and special problems. Text, observations, readings, abstracts and reports. Three hours a week; first term; 3 credits. Required of all State students.

Course IV.—School Systems.—A brief survey of the more important ancient and modern national school systems, culminating in a study of the Virginia laws and system. Collateral

readings and reports on great educational reformers. (A portion of this term may be devoted to a continuation of Course III.) Three hours a week; second term; 3 credits. Required of all State students.

Course V.—Practice Teaching.—Preparation of lesson plans and teaching classes in the Practice School. One hour a day for ten weeks, at times in both terms to be arranged with individual students. Longer time will be required of students whose practice work is unsatisfactory. Required of all State students holding scholarships. 3 credits.

PSYCHOLOGY.

Psychology I. and II.—General elementary psychology, with class and individual experiments, with closely related observation visits to the Practice School and studies of practical application of Psychological principles in teaching. Required in both Language and History and Science Course. Text-book—Angell's *Psychology*, and James's *Talks to Teachers on Psychology*. Three hours a week both terms; 3 credits per term, or 6 credits. (Professor Ferguson.)

Other professional courses that are offered for teachers are Courses III. and IV. in Philosophy, and Courses VI., VII., VIII., IX., X., XI. and XIII. in Education. A full account of these will be found on pages 60-62.

Observation and Practice School

HENRY EASTMAN BENNETT,
Supervisor and City Superintendent.

HERBERT HELLDUFF YOUNG,
Principal.

WILLIAM HANSEN DEIERHOI,
Assistant Principal.

ALICE C. TILLEDGE

ROBERT C. WARBURTON

EMMA N. MURRAY

MRS. HORACE GRINSTEAD

MARY HENLEY SPENCER

MARGARET ELLEN BARNES

ELIZABETH MORECOCK

GRACE ISABEL BEALE

ELLA F. PITTMAN

The public graded and high school of Williamsburg, under the joint control of the City School Board and the College, constitutes the Observation and Practice School for the Department of Education. It affords to the student-teachers the best practicable model of organization and instruction in a school of this class. Throughout the Teachers' Courses the students are kept in close touch with the working out of educational problems at the school, and observations, with formal reports, are required during the last two years of these courses. Practice teaching, under careful supervision, is required in the fifth year of the Teachers' Course.

The buildings occupied by these schools are on separate grounds from those of the college campus, the Primary School* being upon the site of the colonial governor's palace, surrounded by attractive grounds for the children to play in.

*Mattey's Free School—By the terms of Mrs. Whaley's will, dated 16th February 1741-'42, the church wardens and vestry of Bruton Parish were given £50 and the residue of her estate in England, after payment of legacies, to maintain the "free school" in Bruton Parish, established by her about 1706, in honor of her little son, Matthew Whaley, or "Mattey," as she called him.

PART IV.

DEPARTMENT OF
ATHLETICS AND PHYSICAL TRAINING
COLLEGE SOCIETIES AND PUBLICATIONS
RELIGIOUS WORK
THE ALUMNI ASSOCIATION

Department of Athletics and Physical Training.

WILLIAM J. YOUNG, M. D.,

Director of Athletics and Physical Training.

All forms of athletics at the college are under the direct supervision of the athletic director, who is also the college physician. He has charge of the gymnasium work and *all applicants for a teacher's diploma are required to take a course in physical training.* He also coaches the football, baseball, basketball and track teams, and accompanies the teams on all trips away from the college.

By this arrangement the college aims not only to foster and encourage athletics by providing a coach of wide athletic experience, but also to safeguard the health and morals of the students by placing them under the instruction and care of a competent physician and responsible official of the college. Systematic physical training according to sound hygienic principles is offered to all, and a general participation in outdoor athletics is encouraged. However, students are permitted to remain on the athletic teams only so long as athletics do not interfere with the pursuit of their studies.

ATHLETIC REGULATIONS.

The general management of the athletics of the college is in the hands of an Athletic Council, on which there are representatives of both the Faculty and the student-body. This council is elected, under certain restrictions, by the popular vote of the Athletic Association of the college. The council is, therefore, able to serve as an intermediary committee between the Faculty, the students, and the athletic teams. The Faculty, however, through its committee on student activities is further able to

keep a general oversight over athletic tendencies and the individual class standing of those participating in athletic activities.

The forms of athletics in which the college participates are football, baseball, basket-ball, track and tennis.

The following rules apply to all athletic teams of the college:

1. The Committee of the Faculty on Athletics is entrusted with the general oversight of all athletics, and is authorized to forbid any features in these exercises which endanger the health or morals of the participants.

2. No one shall play in any intercollegiate contest who is not, at the time of such contest, a regular matriculated student in good standing.

3. No student will be permitted to play upon any college team except after physical examination by the Director of Athletics and Physical Training.

4. Leave of absence for the purpose of playing intercollegiate games may be allowed to the college teams, such leaves not to exceed five days in the session in the case of any team.

5. Only students who act as regular or substitute members of the athletic teams will be permitted to accompany them on trips from the college.

6. Special monthly reports shall be made to the Faculty with respect to the class standing and progress in study of each player on the athletic teams during the seasons, whether such player be a regular or substitute member of any team.

7. Any member of an athletic team who is reported for neglect of his studies or for non-attendance on lectures, will be required by the Faculty to sever his connection with such team.

8. The athletic teams shall not have contests elsewhere than in Williamsburg with any except teams from other institutions of learning.

9. Members of teams, and all students visiting out of town except when in the company and under control of parents and guardians, are subject to the rules of the college.

College Societies and Publications.

PHI BETA KAPPA SOCIETY.

ALPHA OF VIRGINIA.

This Society, the first Greek Letter Fraternity in the United States, was formed at William and Mary, December 5, 1776. It admits to membership only graduates of the college and persons other than graduates distinguished in letters, science or education.

President ROBERT MORTON HUGHES.

Vice-President JOHN LESSLIE HALL.

Secretary JAMES SOUTHALL WILSON.

Treasurer VAN FRANKLIN GARRETT.

LITERARY SOCIETIES.

There are two Literary Societies of long standing, the Philomathean and the Phoenix. They meet weekly in their halls for the purpose of cultivating debate, composition and declamation. They have their annual final celebrations during the week of Commencement.

PHOENIX SOCIETY.

Final President JAMES FOSTER BARNES.

Secretary FRANKLIN MASON BARNES.

Debaters { JAMES ROWAN McALLISTER.
CHARLES HARMON SCHEPMOES.

Orators { ABRAHAM ALEXANDER BRODOWSKY.
WILLIAM MORGAN GRIMSLEY.

PHILOMATHEAN SOCIETY.

Final President ROBERT CLARENCE WARBURTON

Secretary EMMETT EDMONSON GIVENS.

Debaters { JOHN DAVIS HUFFINES.
WILSON EDWARD SOMERS.

Orators { HUGH ALEXANDER CAMPBELL, JR.
PERCY LEWIS WITCHLEY.

Students' Publications.

The William and Mary Literary Magazine is published monthly by the two literary societies.

Editor-in-Chief SAM. HILDRETH HUBBARD.

Business Manager JOHN LEWIS TUCKER.

The Colonial Echo is published annually by the students of the college. This handsome and artistic volume is a valuable souvenir of the college and of the year's life on the campus.

Editor-in-Chief PERCY LEWIS WITCHLEY.

Business Manager JOHN LEWIS TUCKER.

The Flat Hat is a four-page weekly paper published by the students of the college, and is an interesting chronicle of student life and daily affairs of the college.

Editor-in-Chief KENNETH ARNOLD AGEE.

Business Manager MAX BLITZER.

THE BULLETIN.

The Bulletin of the College of William and Mary is issued quarterly, or so many times as need may require. The purpose of *The Bulletin* is to set forth the activities, needs or purposes of the college to its alumni, friends, and the general public. The annual catalogue is one of the regular numbers of *The Bulletin*. Copies will be sent free on request.

Religious Work.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

The Young Men's Christian Association of the college has for a long time done a noble work in standing for a high spiritual life among its members, and in working throughout the college for the cause of Christianity. It holds its regular devotional meeting every Tuesday night in the Association Hall, which is in the Gymnasium Building. These meetings are addressed by the ministers of the town, by members of the Faculty, by student members of the Association or by visiting speakers. Once each year the Association holds a week of prayer service, which is usually led by an especially invited minister.

The Association does an excellent work in making smooth the way for new students. It publishes a handbook of information for their benefit, and, during the first week of college exercises, it holds a reception for the purpose of having the new students meet socially the other students and the members of the Faculty.

Towards the close of the session a final sermon is preached in the college chapel before the members of the Association.

A most important feature of the Association's work is the series of classes for the study of the English Bible, which are given under its direction. Courses are open to all students in The Life of Christ, The Acts and Epistles, Old Testament Characters, The Teaching of Jesus and His Apostles, and The Social and Political Teaching of Jesus.

The Association has the use of special shelves in the college library, which are furnished with carefully selected religious periodicals and books.

The Visitors and Faculty are in hearty sympathy with the work of the Young Men's Christian Association, and would urge upon parents and guardians that they encourage students to join the Association as soon as they enter the college.

CHAPEL SERVICES.

Regular religious exercises are conducted in the college chapel. The services are conducted by the ministers of the town, who graciously act as the chaplains of the college, or by members of the Faculty, or by representatives of the Young Men's Christian Association.

The college is not under the control of any religious body, but the discipline is administered with the view to confirm integrity and maintain a sacred regard for truth; and every effort is made to make the life of the college open to the best religious influence.

PART V.
The Normal Academy.

The Normal Academy.

OFFICERS OF INSTRUCTION AND ADMINISTRATION.

LYON GARDNER TYLER, M. A., LL. D.,
President of the College.

HERBERT L. BRIDGES, A. B.,
Registrar of the College.

LEVIN WINDER LANE, JR.,
Treasurer of the College.

GEORGE OSCAR FERGUSON, JR., M. A.,
Principal of the Academy.
Education.

WILLIAM ASHBY BLOXTON, A. B.,
English, German, French.

FREDERICK DEANE GOODWIN, A. M.,
Latin, History, Civics.

RICHARD McLEOD CRAWFORD, A. M.,
Drawing and Manual Arts.

JOHN TYLER, A. M.,
Mathematics.

AMOS RALPH KOONTZ, B. S., A. M.,
Sanitation and Botany.

CHARLES CHAPMAN SNOW, B. S.,
Chemistry, Agriculture, Physiography.

Academy Students by Classes.

This list is repeated from the general roll.

CLASS C.

Adams, William Carson	Lawson, John Raymond
Addison, Edward	Lewis, Malachi Ruben
Booth, George Wythe	Lupton, Thomas Allen
Brent, William Seymour	Martin, Talmage
Carmines, Daniel Henry	Monier, Edward Burns
Clary, Hugh Valentine	Newton, Robert Murphy
Cole, Robert Read	Ownbey, Arthur Dennis
Crider, David Raleigh	Petty, Oscar Viers
Doss, Rob Roy	Prillaman, Henry Andrew
Davis, John Andrew Gardner	Pritchett, Harry Wooding
Geddy, George Ben	Rangely, Clarence
Grimsley, William Morgan	Rash, David Orgain
Gray, Oscar Stanley	Roane, Robley David
Gilliam, Maxie Parker	Settle, Thomas Henry
Hubbard, Herman Reed	Smith, Jesse
Hutchison, Charles Sterling	Spriggs, Henry Lacy
Jenkins, Floyd Franklin	Wood, Basil Manly
Jones, Joseph Thomas	Young, Jacob Morris
Lacy, Theophilus Archibald	

CLASS B

Agee, James Lawrence	Leatherbury, Alonzo Taylor
Booth, Roy Piruus	Lester, Walter Calahill
Bolling, Alonzo	Lohr, Durward Preston
Brown, Harry McChesney	Maddox, Arthur Lee
Burke, Charles Edward	Moore, Robert William
Crockett, Cecil Clinton	Peatross, Oscar Bruce
Corbell, John David	Powers, Harry Whitfield
Elean, Paul Barringer	Ramey, William Barlow
Early, Frank Purver	Robertson, Isaac Wiley
Fletcher, William Roy	Savage, Leonard
Gaulding, Hardy Munford	Simms, Henry Harrison
Healy, Charles Waples	Scott, Elmer
Jackson, Douglas Cary	Stryker, Henry Morris
Jones, Elmer Roy	Trice, John Barrett
Jones, William Henry	Weisel, Samuel Ries
Jones, Raymond Leslie	West, Willie Clyde
Jones, Paul Monroe	Wood, Claude Reams
Land, Ashby Butt	

CLASS A

Barnett, Rowland David
Bradshaw, Joel Jacob
Burford, Edward Scott
Butler, Clifford James
DeLaney, James Melvin
Forbes, Rodman Dibrew
Forbes, Charles William
Griffith, Julian Hungerford
Hogan, William
Hudson, John Guy
Hudson, Benjamin Harrison
Joyce, Willie Lee
Lipscomb, Herndon Terry

Mitchell, Howard Lisle
Moore, Aubrey
Moss, Charles Westley
Neblett, Baskerville
Neblett, Sterling
Nunnally, Samuel Logan
Palmer, Walter Cary
Reeve, Joseph Cooper
Smith, Lee Emerson
Webb, Nathaniel Jarrett
Webb, James Duncan
Williams Charles Edward

ORGANIZATION.

Beginning with the session of 1911-'12, the Subcollegiate Courses formerly operated in connection with the Teachers' Courses under the direction of the several departments were discontinued and a Normal Academy was organized, with a special corps of instructors, to take over all classes below college grade. William and Mary accordingly maintains a Normal Academy in addition to the college.

The Academy offers a three year course, correlated with the Teachers' Courses of the college and supported for the benefit of students who are preparing to teach and of those who are not within distance of a complete four-year high school.

The aim of the Academy is to fit students for full or conditioned entrance into the college, and to teach the high school subjects from a normal viewpoint in order to train teachers for the public schools.

As the purpose of the Academy is to help develop the school system of Virginia, rather than to compete with the high schools, students other than those who desire to make teaching a profession will be admitted only under certain restrictions. (See Entrance Requirements.)

Students of the Academy are, as far as possible, assigned to dormitories and class rooms distinct from those in use by the college. The general buildings and campus are, however, in common use, as are also the library, laboratories, and athletic grounds. While, as far as possible, the Academy is made distinct in organization and life from the college, yet in grounds, buildings, and equipment, the same advantages are offered to both.

The President and Faculty of the college have general control of the Normal Academy, but the ordinary administration of the Academy is committed to the Principal and a Faculty Committee.

ADMISSION AND DISCIPLINE.

The candidates for admission to this school shall belong to one of the following classes:

1. Students intending to be teachers in the public schools. All such candidates must be recommended by the county superintendents, and be willing to take a pledge to teach two years in the public schools after leaving college.
2. All young men who have been teachers in the public schools not less than one term, or who have been formerly enrolled as students in the subcollegiate classes.
3. All young men over public school age (20 years).
4. All young men who have completed the highest grade of instruction accessible to them in an accredited high school at the place of their residence.

But no student shall be admitted into this school who is not fifteen years of age, or who fails to give evidence by certificate or examination of the completion of the work of the seventh grade of a public school or its equivalent.

All students, unless excused, shall observe such regular hours of study as well as class attendance as may be outlined by the Principal. In addition to the general rules of the college as set forth in the catalogue, there shall be observed by the students in the Academy such rules as may from time to time be specified.

Students registered in the Academy are not permitted to join any of the college fraternities or clubs; nor are they allowed to represent the college in intercollegiate literary or athletic contests. The Academy students have their own athletic, literary and other organizations; but the formation of Academy fraternities is not permitted.

EXPENSES AND STATE SCHOLARSHIPS.

The expenses of fees, board, room, etc., will be found listed on pages 44-46. Conditions of obtaining and holding State scholarships, representing about one-fourth of the necessary cost will be found on pages 45-46. They are alike for college and Academy students.

TEACHER'S CERTIFICATE.

Students who complete in full either the language and history or the science course of study as outlined herein will be awarded a certificate of graduation from the Academy. This certificate entitles the holder to a Teacher's Certificate, which will allow him to teach in the public schools of Virginia without examination.

COURSES OF STUDY.

The three years' work outlined below constitutes the first three years of the five-year Normal Course leading to the Teacher's Diploma. The last two years are of collegiate grade and will be found on pages 81-84.

These courses are maintained primarily for those who are preparing to teach. No student who fails to maintain a high standard of character and scholarship will be retained in these courses. Students will be required to take the outlined work of the Teachers' Courses.

LANGUAGE AND HISTORY COURSE.

FIRST YEAR.

FIRST TERM.	Per Week.	SECOND TERM.	Per Week.
English (A).....	5 hrs.	English (A) continued.....	5 hrs.
Mathematics (A), Arithmetic and Algebra.....	5 hrs.	Mathematics (A), Arithmetic and Algebra.....	5 hrs.
Latin (A), (Beginning).....	5 hrs.	Latin (A) continued.....	5 hrs.
Physical Geography (A).....	3 hrs.	Physical Geography (A) continued.....	3 hrs.
Drawing (A).....	2 hrs.	Drawing (A).....	2 hrs.
	<hr/>		<hr/>
	20 hrs.		20 hrs.

SECOND YEAR.

English (B).....	4 hrs.	English (B) continued.....	4 hrs.
Latin (B), Grammar Reviewed—Cæsar.....	4 hrs.	Latin (B) continued—Cæsar.	4 hrs.
Mathematics (B), Algebra... 3 hrs.	3 hrs.	Mathematics (B), Algebra... 3 hrs.	3 hrs.
Civics and Virginia History (B).....	3 hrs.	Civics and Virginia History..	3 hrs.
Sanitation (B).....	2 hrs.	Botany (B).....	2 hrs.
Manual Arts (B).....	2 hrs.	Manual Arts (B).....	2 hrs.
	<hr/>		<hr/>
	18 hrs.		18 hrs.

THIRD YEAR.

English (C).....	4 hrs.	English (C) continued.....	4 hrs.
Latin (C), Cicero.....	4 hrs.	Latin (C) con'td—Cicero...	4 hrs.
Mathematics (C), Plane Geo-		Mathematics (C) continued—	
metry.....	3 hrs.	Plane Geometry.....	3 hrs.
General History (C).....	4 hrs.	General History (C) con-	
Education (C).....	3 hrs.	tinued.....	4 hrs.
		Education (C) continued.....	3 hrs.
	<hr/>		<hr/>
	18 hrs.		18 hrs.

Physical Culture—Four hours a week from Nov. 1st to April 1st.

SCIENCE COURSE.

The first and second years of this course are the same as the first and second years of the Language and History Course. Those who plan to pursue the Science Course leading to the Teachers' Diploma as outlined on page 83, are here permitted to drop Latin, and are required to begin elementary Chemistry and Agriculture and to *elect one* of the other courses given below.

THIRD YEAR.

FIRST TERM.		SECOND TERM.	
English (C).....	4 hrs.	English (C).....	4 hrs.
Mathematics (C) (Plane Geo-		Mathematics (C) Plane Geo-	
metry).....	3 hrs.	metry.....	3 hrs.
General History (C).....	4 hrs.	General History (C).....	4 hrs.
Education (C).....	3 hrs.	Education (C).....	3 hrs.
Chemistry (C).....	3 hrs.	Agriculture (C).....	3 hrs.
One Elective.....	2 or 3 hrs.	One Elective.....	2 or 3 hrs.
	<hr/>		<hr/>
	19 or 20 hrs.		19 or 20 hrs.

Physical Culture—Four hours a week from Nov. 1st to April 1st.

Electives—Choose One Course.

Drawing (C) Mechanical	Drawing (C) Blackboard
Drawing.....	Drawing.....
2 hrs.	2 hrs.
French (C).....	French (C).....
3 hrs.	3 hrs.
German (C).....	German (C).....
3 hrs.	3 hrs.
Woodworking (C).....	Woodworking (C).....
2 hrs.	2 hrs.

Description in Detail of the Courses.

FIRST YEAR.—*The same in both courses.*

Mathematics (A).—Arithmetic and Algebra; the former in full, the latter to quadratic equations. Five hours a week, both terms.

English (A).—The fundamentals of English Grammar, punctuation, sentence structure, weekly compositions, elementary rhetoric, short course in English or American Literature. Reading of current periodical literature. Five hours a week, both terms.

Latin (A).—Latin begun; the second book of Cæsar begun in latter part of second term. Five hours a week, both terms.

Physical Geography (A).—Studied both for its own content and as a correlation center for a review of political geography. During the second term the study of commercial geography is taken up. Three hours a week, both terms.

Drawing (A).—Freehand drawing; simple line sketching; drawing from nature, still life, casts and figures; principles of perspective and elementary colors; line composition; designing for simple forms of handicraft; laboratory work. Two hours a week, both terms.

SECOND YEAR.—*The same in both courses.*

Mathematics (B).—First term, Algebra; second term, Algebra, through quadratics, progressions, logarithms, binomial theorem. Three hours a week, both terms.

English (B).—English Grammar continued; weekly compositions; fundamental principles of rhetoric; courses in either English or American Literature. Four hours a week, both terms.

Latin (B).—Cæsar, four books; prose composition; systematic grammar study. Four hours a week, both terms.

Manual Arts (B).—Hand work for the primary grades in the public schools; basketry, weaving, pottery, and construction in paper, card board, bent iron and wood. Two laboratory periods a week, both terms.

Civics and Virginia History (B).—A study of the history and political institutions of the State of Virginia and of the Federal Union. Three hours a week; both terms.

Sanitation (B).—Study of the elementary principles of Bacteriology, infectious diseases and preventive methods. Two hours a week; first term.

Botany (B).—Plant structure, nutrition and reproduction; plant classification. Two hours a week, second term.

THIRD YEAR.—*Language and History Course.*

Mathematics (C).—First term, plane geometry; second term, plane geometry and a review of special topics in Algebra. Three hours a week, both terms.

English (C).—An advanced course in English grammar, with discussion of text-books on the public school lists of Virginia; rhetoric; either American or English Literature; course in Shakespeare. Four hours a week, both terms.

Latin (C).—Cicero, six orations; prose composition work, based on text read; systematic study of grammar. Four hours a week, both terms.

History (C).—General History; study of the outlines of Ancient, Mediæval and Modern History. Four hours a week, both terms.

Education (C).—A practical introductory course treating of the organization and management of schools, their relation to community life, methods of the recitation and of training pupils to study. Observations at the Practice School. Three hours a week, both terms.

Physical Culture.—Exercises in free calisthenics; chest weights; heavy gymnastics; exercises in fancy marching; Indian club swinging; group games.

SCIENCE COURSE. (Third Year).

Science Course (Third Year).—In this year the student omits Latin and instead takes Chemistry the first term and Agriculture the second term, and elects an additional course each term from among those given below.

Chemistry (C).—An elementary course prerequisite to the course in Agriculture, which follows in the last half of the year. Three hours a week; first term. Required.

Agriculture (C).—Agriculture and Plant Physiology; a course covering the general principles of soil fertility and plant nutrition. Experimental work in laboratory and green house. Intended primarily as a preparation for the teaching of Agriculture. Prerequisite, an elementary knowledge of Chemistry. Three hours a week, second term. Required.

Drawing (C).—*Mechanical Drawing*.—This course as an introduction to the subject. It is devoted chiefly to the principles and practice of the working drawing, and prepare for work in the elementary school. Two laboratory periods a week; first term. Elective.

Blackboard Drawing (C).—Rapid blackboard sketching; use of the blackboard in teaching. Type characteristics emphasized in drawing from nature, flowers, animals, still life, and figures. Mediums; chalk, charcoal, and crayon. Two hours a week; second term. Elective.

Woodworking (C).—Study of materials and methods of instruction. This course aims primarily at a training in the technical process of woodworking as a basis for instruction in the elementary and secondary schools. An analysis of the action of cutting tools is made and the introduction of tools in class use discussed. Methods of Manual Training instruction are studied and the presentation of typical projects suitable for the upper

grades is considered in detail. Two laboratory periods a week; both terms. Elective.

French (C).—French begun. Grammar, exercises, reading, Three hours a week; both terms. Elective.

German (C).—German begun. Grammar, exercises, readings. Three hours a week, both terms. Elective.

ENTRANCE THE SECOND TERM.

Students may enter most of the Academy classes at the beginning of the second term. All those who plan to enter at this time should first write to the Principal of the Normal Academy, who will furnish full particulars.



