

Careers

Childcare workers nurture and teach children of all ages in child care centers, nursery schools, preschools, public schools, private households, family childcare homes, and before- and after-school programs. School-related employment opportunities include instructional aides, child care center directors, head teacher, and assistant teacher positions within early childhood, child care, nursery schools, and recreational programs.

Salary

Earnings of self-employed childcare workers vary depending on the hours worked, the number and ages of the children, and the location. Median annual earnings of teacher assistants in 2004 were \$19,410. In 2004, child care workers nationally earned an average hourly wage of \$8.06 (U.S. Dept. of Labor, Bureau of Labor). Median annual earnings of kindergarten, elementary, middle, and secondary school teachers varied from \$41,400 to \$45,920 in 2004.

Job Outlook

Both center-based programs and family child care provider positions are expected to grow about as fast as the average through 2014.

Education & Training Options

Montgomery College offers an associate of applied science degree (A.A.S.) in early childhood education technology, a certificate program in early childhood education, and an associate of arts in teaching (A.A.T.) in secondary mathematics, physics, and Spanish. (See reverse for education curricula.)

Education students may choose from various program options, including early childhood, elementary, and secondary tracks.

■ Degree

The A.A.S. or a program certificate prepares students to work with children from infancy through age eight in a childcare setting.

The associate of arts in teaching (A.A.T.) curriculum prepares students to transfer to a four-year college or university in the state of Maryland to pursue a bachelor's degree and teacher certification. The A.A.T. has been articulated with all the transfer programs in elementary education in the state of Maryland.

■ Certificate

The early childhood education certificate curriculum prepares students to work with children from infancy through age eight in a variety of child and family day care settings. It includes a semester of supervised practicum experience in an approved placement and 12 semester hours in academic courses.

■ Workforce Training

The College's Workforce Development & Continuing Education offers courses for child care providers to obtain and/or renew a Family Child Care license and professional certifications.

For information, call 240-567-5188 or visit www.montgomerycollege.edu/wdce.

Contact @ MC

Rockville Campus240-567-1757
www.montgomerycollege.edu/Departments/educatrv

Education Curricula

Degrees, Certificates, and Letters of Recognition

Montgomery College is authorized by the Maryland Higher Education Commission (MHEC) to offer four degrees (associate of arts, associate of science, associate of applied science, and associate of arts in teaching) and certificates. In addition, the College recognizes students who satisfactorily complete certain course sequences with letters of recognition.

Some curricula are offered at all campuses, whereas others are limited to one or two. When a curriculum is offered at a specific campus, it is indicated by G for Germantown, R for Rockville, or TP for Takoma Park/Silver Spring.

Admission to Montgomery College is open to all.

Math, English, and reading assessment tests are required prior to registering. (Some students may be exempt from assessment. Consult the *Montgomery College Catalog* for criteria.) Financial aid and scholarships are available to qualified candidates.

Take the next step.

Complete an Application for Admission form (online @ www.montgomerycollege.edu/admissions/mcadmiss.htm) or call 240-567-5000 for information.

Early Childhood Education Technology A.A.S. (R): 315

First Semester

ED 120	Child Growth and Development	3
EN 101	Techniques of Reading and Writing I	3
GE 101	Introduction to Geography	3
HE 100	Principles of Healthier Living	1
PY 102	General Psychology	3
SP 108	Introduction to Human Communication	3

Second Semester

ED 121	Curriculum Planning in Early Childhood Education	3
ED 125	Child Health, Safety, and Nutrition	3
ED 123	Infant and Toddler Development and Curriculum Planning	
	or	
ED 124	School-Age Child Care English foundation	3
PY 215	Child Psychology	3

Third Semester

ED 213	Social Development in Young Children	3
	Curriculum seminar*	4
	Mathematics foundation	3
	Arts distribution	3
	History (select from humanities distribution)	3

Fourth Semester

ED 130	First Start: Care of Infants and Toddlers with Disabilities	3
ED 200	Children's Literature	3
ED 215	Planning and Administering Child Care Programs	3
ED 122	Practicum in Early Childhood Education	3
	Natural sciences lab distribution	4

Total credit hours 63

* Select ED 210 and one of these two courses: ED 211 and ED 212.

(more)

Education Curricula

(continued)

Teacher Education Transfer Program A.A.T.: 601

First Semester

BI 101	General Biology	4
ED 101	Foundations of Education	3
ED 102	Field Experience in Education	1
EN 101	Techniques of Reading and Writing I	3
HS 201	History of the United States	3
MA 130	Elements of Mathematics I	4

Second Semester

ED 140	Introduction to Special Education	3
ED 141	Field Experience in Special Education	1
EN 102	Techniques of Reading and Writing II	3
HS 202	History of the United States	3
MA 131	Elements of Mathematics II	4
PC 101	Physical Science I	4

Third Semester

ED 216	Processes and Acquisition of Reading	3
IS 273	Integrated Arts	3
MA 132	Elements of Mathematics III	4
PC 102	Physical Science II	4
PY 102	General Psychology	3

PRAXIS I EXAM

Fourth Semester

AN 101	Introduction to Social and Cultural Anthropology	3
GE 110	Global Geography	3
HE 201	Health and Physical Education for Teachers	3
PY 227	Educational Psychology	3
SP 108	Introduction to Human Communication	3

Total credit hours 68

* Students must demonstrate proof of computer literacy by either taking CA 120 or testing out of that requirement.

Early Childhood Education Certificate (R): 177

First Semester

EN 101	Techniques of Reading and Writing I	3
ED 120	Child Growth and Development	3
ED 200	Children's Literature	3
PY 102	General Psychology	3
SO 101	Introduction to Sociology	3

Second Semester

ED 121	Curriculum Planning in Early Childhood Education	3
ED 122	Practicum in Early Childhood Education	3
ED 123	Infant and Toddler Development and Curriculum Planning	
	or	
ED 124	School-Age Child Care	3
ED 125	Child Health, Safety, and Nutrition	3
PY 215	Child Psychology *	3

Total credit hours 30

* This course has a prerequisite.

Education Curricula

(continued)

Teacher Education Transfer Program A.A.T. (Early Childhood Education): 604

First Semester

BI 101	General Biology	4
ED 119	Introduction to Early Childhood Education	3
ED 120	Child Growth and Development	3
EN 101	Techniques of Reading and Writing I	3
MA 130	Elements of Mathematics I	4

Second Semester

ED 121	Curriculum Planning in Early Childhood Education	3
EN 102	Techniques of Reading and Writing II	3
MA 131	Elements of Mathematics II	4
PC 101	Physical Science I	4
HS 201	History of the United States: From Colonial Time to 1865	

or

HS 202	History of the United States: From 1865 to the Present	3
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Third Semester

ED 140	Introduction to Special Education	3
MA 132	Elements of Mathematics III	4
PC 102	Physical Science II	4
PY 102	General Psychology	3

PRAXIS I EXAM

Fourth Semester

ED 216	Processes and Acquisition of Reading	3
GE 110	Global Geography	
or		
GE 102	Cultural Geography	3
	Behavioral and social sciences distribution*	3
	Humanities distribution+	3
	Health foundation	1
IS 273	Integrated Arts	3

Total credit hours 64

* Select sociology, anthropology, or political science.

+ Select EN literature course.

Teacher Education Transfer Program A.A.T. in Mathematics (Secondary A.A.T.): 605

First Semester

CS 140	Introduction to Programming	3
ED 101	Foundations of Education	3
ED 102	Field Experience in Education	1
MA 181	Calculus I	4
PY 102	General Psychology	3

Second Semester

ED 140	Introduction to Special Education	3
ED 141	Field Experience in Special Education	1
EN 102	Techniques of Reading and Writing II	3
MA 182	Calculus II	4
PH 161	Mechanics and Heat	
or		
CH 101	Principles of Chemistry I	3(4)

Third Semester

HS 201	History of the United States	3
IS 273	Integrated Arts	3
MA 280	Multivariable Calculus	4
MA 282	Differential Equations	
or		
MA 116	Elements of Statistics	3
PH 262	Physics Electricity and Magnetism	
or		
CH 102	Principles of Chemistry II	4

PRAXIS I EXAM

Fourth Semester

MA 284	Linear Algebra	4
PY 227	Educational Psychology	3
SP 108	Introduction to Human Communication	3
	Health foundation	1
	Behavioral and social sciences distribution	3
	Humanities distribution	3

Total credit hours 62(63)

Education Curricula

(continued)

Teacher Education Transfer Program A.A.T. in Physics (Secondary A.A.T.): 603

First Semester

CH 101	Principles of Chemistry I	
	or	
BI 107	Principles of Biology	4
ED 101	Foundations of Education	3
ED 102	Field Experience in Education	1
MA 181	Calculus I	4
PY 102	General Psychology	3

Second Semester

ED 140	Introduction to Special Education	3
ED 141	Field Experience in Special Education	1
EN 102	Techniques of Reading and Writing II	3
MA 182	Calculus II	4
PH 161	Mechanics and Heat Health foundation	3 1

Third Semester

HS 201	History of the United States	3
IS 273	Integrated Arts	3
MA 280	Multivariable Calculus	4
PH 262	Physics Electricity and Magnetism	4
PY 216	Adolescent Psychology	3

PRAXIS I EXAM

Fourth Semester

PH 263	Wave, Optics and Modern Physics	4
PY 227	Educational Psychology	3
SP 108	Introduction to Human Communication	3
	Behavioral and social sciences distribution	3
	Humanities distribution	3

Total credit hours 63

Teacher Education Transfer Program A.A.T. in Spanish (Secondary A.A.T.): 602

First Semester

AN 101	Introduction to Social and Cultural Anthropology	3
ED 101	Foundations of Education	3
ED 102	Field Experience in Education	1
	Mathematics foundation	3
SN 101	Elementary Spanish I	3
	Natural science distribution	3(4)

Second Semester

ED 140	Introduction to Special Education	3
ED 141	Field Experience in Special Education	1
EN 102	Techniques of Reading and Writing II	3
HS 203	Latin American History	3
PY 102	General Psychology	3
SN 102	Elementary Spanish II	3

Third Semester

SN 201	Intermediate Spanish I	3
PY 216	Adolescent Psychology	3
IS 273	Integrated Arts	3
SN 215	Advanced Spanish Conversation and Comprehension	3
	Natural science with lab component	4

PRAXIS I EXAM

Fourth Semester

SN 202	Intermediate Spanish II	3
SN 216	Advanced Readings in Spanish Literature	3
SP 108	Introduction to Human Communication	3
PY 227	Educational Psychology	3
	Health foundation	1

Total credit hours 61(62)