

# Associate in Arts & Sciences with an Emphasis in Mathematics (DTA)

TRANSFER DEGREE

Option C

2012-2013 Degree Requirements

## Communication

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
ENGL&	101	English Composition I	5		
ENGL&	102	Composition II <i>or</i>	5		
ENGL&	235	Technical Writing	5		
CMST	101	Speech Essentials <i>or</i>	3		
CMST&	220	Public Speaking <i>or</i>	5		
CMST	260	Multicultural Communication	5		

Subtotal 13

## Math Proficiency (Intermediate Algebra Proficiency Requirement)

Must do one of the following:

- Pass intermediate Algebra MATH 095 or MATH 098 with a 2.0 grade or higher
- Pass a math class that has an Intermediate Algebra prerequisite
- Place into MATH& 107 *or* any MATH course 113 or above via placement test

## Quantitative/Symbolic Reasoning

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
MATH&	151	Calculus I	5		

Subtotal 5

## Humanities\*

Complete at least one course from any three of the following groups. Courses must be selected from three different subject areas.

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
		Art	5		
		English	5		
		History	5		
World Languages (excluding conversational classes) all count as a single subject area.			5		

Subtotal 15

## Social & Behavioral Science\*

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution

Subtotal 15

## Mathematical & Natural Science\*

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
MATH&	152	Calculus II	5		
MATH&	153	Calculus III	5		
PHYS&	221	Engineering Physics I	4		
PHYS&	231	Engineering Physics Lab I	1		

Subtotal 15

## Health & Physical Education

Select from PE activity classes or Health (HE) classes.

Maximum 6 credits of PE activity may be applied: 3 credits in Health & PE and 3 credits included in restricted electives.

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
			3		

Subtotal 3

## Emphasis Courses

A minimum cumulative 2.0 GPA is required for a Mathematics emphasis. Additional electives require departmental approval.

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
MATH&	254	Calculus IV	5		
PHYS&	222	Engineering Physics II	4		
PHYS&	232	Engineering Physics Lab II	1		
MATH	243	Linear Algebra	5		
MATH	255	Differential Equations	5		
Additional elective with departmental approval.			5		
			<b>Subtotal</b>	<b>25</b>	
			<b>Total Credits Required</b>	<b>91</b>	

\*Course selections must also meet the distribution requirements for the AA degree.

### Notes:

- Required minimum credits 90.
- Required cumulative 2.0 GPA is required for a Mathematics Emphasis.
- A minimum of 30 credits must be CBC courses. Consult with your counselor or faculty advisor.
- Maximum 6 credits of PE activity may be applied: 3 credits in Health and PE and 3 credits included in restricted electives.
- Depending on your major, some course choices may be more appropriate than others.
- Minimum grade per course 1.0.