



20000 68th Ave W  
Lynnwood, WA 98036-5999  
www.edcc.edu

# Materials Science Technology Associate in Applied Science-T Degree Program Requirements 2011-2012

Student Name: \_\_\_\_\_  
Student ID: \_\_\_\_\_

## Program Description

This Associate in Applied Science-T (AAS-T) in Materials Science Technology is a professional technical degree with a core of general education courses commonly accepted in transfer. It is designed to prepare graduates to enter into industry or to prepare students who wish to transfer to other colleges or universities having specific bachelor's degree programs that accept the AAS-T degree.

Students seeking to transfer to degree programs other than those specifically designed for the AAS-T should consider the Associate of Arts or the Associate of Science degree, which are specifically designed for transfer to four-year colleges and universities.

All students who intend to transfer should meet with an adviser of the college to which they plan to transfer and review specific admission requirements.

**Degree Outcomes** Outcomes for Edmonds Community College degrees and certificates can be found in the online college catalog at the bottom of each degree or certificate. To find specific outcomes, click on the degree or certificate from the program list in the online catalog at <http://catalog.edcc.edu>.

**Common Course Numbering Changes** Please refer to [www.edcc.edu/ccn](http://www.edcc.edu/ccn) for more information.

## Credit/Grade Requirements

The AAS-T degree is awarded upon completion of a minimum of **90** credits as outlined in the program requirements. A minimum of **30** credits or one-third of the required credits, whichever is less, must be earned at Edmonds Community College. Students are required to maintain a minimum cumulative grade point average of 2.0 in all college-level courses.

## General Education/Related Instruction Requirements

Students who complete degrees or certificates of 45 credits or more are required to demonstrate learning in the following general education/related instruction areas: communications, computation/quantitative skills, and human relations/group interaction. All courses in the general education component of the AAS-T must be generally transferable courses and they must assure that the student have a foundation in communication and quantitative skills as well as an introduction in science, social science and humanities. These courses may also serve the dual purpose of meeting industry requirements for job preparation.

## Cultural Diversity

Edmonds Community College requires that students earning a degree or certificate of 45 credits or more meet the Cultural Diversity Requirement. Courses that satisfy this requirement are marked as “:CD” on the requirement sheet and/or “Meets Cultural Diversity Requirement” in the quarterly class schedule.

## Students Are Advised To

- Consult with an engineering faculty adviser quarterly for course selection and completion of degree requirements and plan their schedule several quarters in advance. *Note: All decisions on selection of courses are ultimately the responsibility of the student*
- Review the college catalog for required course prerequisites and include these in schedule planning
- Send for transcripts from other colleges where the student has earned credits and request a transcript evaluation. Transcripts are to be mailed to the Enrollment Services Office at Edmonds Community College. Transcript evaluation forms are available through Enrollment Services

**Graduation Application** A completed Graduation Application form must be submitted to Enrollment Services by the 10<sup>th</sup> day of the quarter in which the student expects to graduate. Forms are available at Enrollment Services located in Lynnwood Hall, or online at [www.edcc.edu/credentials/](http://www.edcc.edu/credentials/).

## Adviser

Ross Monroe [ross.monroe@edcc.edu](mailto:ross.monroe@edcc.edu) 425-640-1944

## College Resources

Home Page	<a href="http://www.edcc.edu">http://www.edcc.edu</a>
How to Enroll	<a href="http://getstarted.edcc.edu">http://getstarted.edcc.edu</a>
Transfer Center	<a href="http://transfer.edcc.edu">http://transfer.edcc.edu</a>
College Bookstore	<a href="http://bookstore.edcc.edu">http://bookstore.edcc.edu</a>
Advising Appointments	425-640-1458

PGM CODE – 603T

Effective summer 2011

This requirement sheet is not a substitute for meeting with an academic adviser. Meeting the requirements to graduate with an Edmonds Community College certificate or degree is ultimately the responsibility of the student.

Rev 2/11

**Material Science Technology  
AAS-T Degree**

Course			Qtr	Cr	Grade
<b>I. General Education/Related Instruction Requirements (32 Credits)</b>					
<b>Communication Skills</b>					
ENGL&	101	English Composition I	_____	5	_____
ENGR	231	Intro to Technical Writing	_____	5	_____
CMST&	220	Public Speaking	_____	5	_____
<b>Computation/Quantitative Skills</b>					
MATH&	141	Precalculus I	_____	5	_____
MATH&	142	Precalculus II	_____	5	_____
<b>Career Management</b>					
MST	292	Career Planning	_____	2	_____
<b>Human Relations/Group Interaction</b>					
MGMT	100	Human Relations in Org: CD	_____	5	_____
<b>II. Program Requirements (53 credits)</b>					
<b>Engineering &amp; Science</b>					
ENGR	100	Engineering Orientation	_____	3	_____
ENGR&	114	Engineering Graphics	_____	5	_____
ENGR	104	Introduction to Design	_____	5	_____
PHYS&	121/131	General Physics I/Lab	_____	5	_____
<b>Materials Science Technology</b>					
MST	175	Introduction to Materials Science	_____	5	_____
MST	180	Polymer Technology	_____	5	_____
MST	200	Introduction to Composites	_____	5	_____
MST	210	Applied Statics	_____	5	_____
MST	220	Applied Strengths of Materials	_____	5	_____
MST	250	Composites Engineering Design	_____	5	_____
MST	260	Composites Manufacturing	_____	5	_____
<b>III. Technical Electives (5 Credits)</b>					
Technical Electives are to be chosen and approved by a departmental adviser					
CHEM&	121	Intro To Chemistry	_____	5	_____
<b>OR</b>					
CHEM&	139	General Chemistry Prep	_____	5	_____
CEN	210	Electronics for A+	_____	5	_____
ENGR	120	Computational Tools	_____	3	_____
OSH	110	Safety Management	_____	5	_____
PHYS&	122/132	General Physics II/Lab	_____	5	_____
PHYS&	123/133	General Physics III/Lab	_____	5	_____
MATH&	151	Calculus I	_____	5	_____
MST	211	Lean Manufacturing	_____	5	_____
MST	291	MST Internship	_____	1-10	_____
<b>OR</b>					
Other Approved Course					
<input type="checkbox"/> Cultural Diversity Requirement Met _____					
Course Title/Number					

_____		_____	
Adviser's Signature	Date	Dean's Signature	Date