

# CERTIFICATE OF ACHIEVEMENT



# CIVIL DESIGN & DRAFTING

This certificate is designed for civil engineering careers and leads to employment in civil design applications, public works, utilities and CAD/Drafting related industries.

To acquire the Certificate of Achievement in Civil Design & Drafting, it is necessary to complete the following:

Required Courses	Units	N	IP	C
DRAF 101 Introduction to Technical Drawing & Graphics	3			
DRAF 150 AutoCAD for Basic CADD Applications	4			
DRAF 170 MicroStation for Basic CADD Applications	4			
CIV 138 Engineering Careers and Applications	2			
CIV 140 *Civil Drafting Fundamentals	3			
CIV 142 Introduction to Surveying & GPS	4			
GIS 120 Introduction to Geographic Information Systems	4			
<b><i>Plus 4 units from the following:</i></b>				
ARCH 115 Introduction to Residential Architecture	4			
Or				
DRAF 122 Engineering Design Graphics	4			
<b>Total units needed for Certificate of Achievement</b>	<b>28</b>			
Units Completed				
* Prerequisite/Advisory				
<i>Courses are not necessarily listed in order of enrollment , see prerequisites</i>				