

ESL MILESTONE CERTIFICATE: PATHWAY TO SCIENCE, ENGINEERING, AND MATHEMATICS

Division: Language Arts

PROGRAM CODE: 1C37720

Financial Aid Eligible

The **ESL Milestone Certificate: Pathway to Science, Engineering, and Mathematics** is designed to prepare English language learners (ELLs) for the academic rigor of degree-applicable coursework in various academic pathways. Students completing these certificates have achieved academic English reading and writing skills at an advanced, post-secondary level; they have also achieved success in prerequisite or introductory coursework in a variety of degree, certificate, or general education patterns. These two elements combine to demonstrate significant achievement of a milestone along their Science, Engineering, and Mathematics (SEM) pathways to degrees, certificates, or transfer. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all coursework must be completed at Cypress College. This certificate requires a total of 18-19 units.

Code	Title	Units
Required ESL Courses are listed in suggested sequence (10 units):		
ESL 108 C	Expl Culture thru Acad Disc 1	5
ESL 109 C	Expl Culture thru Acad Disc 2	5
Required Math Course (4 units):		
MATH 141 C	College Algebra	4
Complete one of the following courses (4-5 units):		4-5
CHEM 107 C	Preparation for General Chem	5
CHEM 111AC	General Chemistry I	5
PHYS 130 C	Elementary Physics	4
Total Units		18-19

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills, including academic English-language reading and writing at a post-secondary level, and an overview of chemistry and physics, necessary for college coursework towards degree, certificate, or transfer in Science, Engineering, and Mathematics.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1646