



Placement Aims and Academic Expectations

Below is a guide to the types of activities appropriate to each level of cadet placement. Host organisations should give consideration to these aims when determining the level of cadet required in their organisation.

This also includes the academic requirements and recommendations for each level of placement. Host organisations are encouraged to include these expectations as a part of the job application.

<u>Placement</u>	<u>Placement Aims</u>	<u>Academic Expectations</u>
Junior	<ul style="list-style-type: none"> - Complete basic engineering design projects. - Use well-established engineering tools and procedures to solve practical problems. - Develop understanding of the culture of the engineering industry. - Be an active member of workplace teams. 	<p>Required</p> <ul style="list-style-type: none"> - Completed ENG180, ENG261 and ENG271 - Completed 240 topics including schedule A <p>Recommended</p> <ul style="list-style-type: none"> - Introductory industry specific topics
Intermediate	<ul style="list-style-type: none"> - Completion of a design focussed thesis project. - Complete discipline specific engineering design projects. - Use well-established engineering tools and procedures to solve complex problems. - Demonstrate management of self and work related tasks. 	<p>Required</p> <ul style="list-style-type: none"> - Completed ENG280 <p>Recommended</p> <ul style="list-style-type: none"> - Completed 360 topics - Introductory discipline specific topics
Senior	<ul style="list-style-type: none"> - Independently complete engineering projects. - Use engineering processes to solve complex problems. - Communicate effectively with professional and lay audiences. - Demonstrate leadership of workplace teams. 	<p>Required</p> <ul style="list-style-type: none"> - Completed ENG380 and ENG399 <p>Recommended</p> <ul style="list-style-type: none"> - Completed 480 topics including schedule B
Professional	<ul style="list-style-type: none"> - Develop new processes to solve complex engineering problems. - Completion of a research focussed thesis project - Demonstrate high level knowledge of a civil engineering discipline. - Demonstrate effective leadership of a variety of teams. 	<p>Required</p> <ul style="list-style-type: none"> - Completed ENG480 - Completed 600 topics including schedule C <p>Recommended</p> <ul style="list-style-type: none"> - Advanced discipline specific topics