

Program for Prime Minister Latin American Scholarships

Name of Institution	Universidad de Antioquia
Type of institution	Public University
Location (city and country)	Medellín / Colombia
Name of the course/program	Research internship in materials science and engineering at CIDEMAT research group
Objective of the program	To develop a short research project in any of the topics listed below to either complement research work already in progress at New Zealand or to obtain basic training in research activities
Content (courses list)	<p>Topic 1: Study of environmental-friendly electrolytes for electrodeposition of metals</p> <p>Topic 2: TiAlN coatings doped with Ag and Cu NPs by magnetron sputtering for tribological and bactericidal applications</p> <p>Topic 3: Synthesis and characterization of MgO₃ nanoparticles</p> <p>Topic 4: Fabrication of FeSiBP ribbons by melt spinning method.</p> <p>Topic 5: Development and application of novel solar photovoltaic technologies for agroindustrial activities in Colombia.</p> <p>Topic 6: Tribological and mechanical performance of nanostructured ceramic coatings</p>
Course start and end dates	06/March/ 2017 to 08/September/2017
Course costs (enrolment, tuition, materials, etc)	No tuition/enrolment costs involved.
Course delivery language (if not English, then level of Spanish or Portuguese required)	The internship will be conducted in English. An intermediate Spanish level is desired but not mandatory.
Entry requirements	<ul style="list-style-type: none"> - Graduate students only - Average grades in undergraduate courses 3.8 or above. - Undergraduate degree in materials engineering related topics.
Accommodation options and costs	Accommodation should be arranged by the applicant. Universidad de Antioquia can provide advice on areas and costs. Students will also be assigned a volunteer "Buddy-student" to help him/her get installed.
Website	www.udea.edu.co/cidemat
Contact person and email for further information and/or enrolment	<p>Research group contact point: Name: Félix Echeverría E. Email: felix.echeverria@udea.edu.co Phone number: 57 4 219 6615 Position: CIDEMAT Research leader</p> <p>University contact point: Santiago López Álvarez investigacioninter@udea.edu.co 574-2198212 Scientific Cooperation Advisor</p>