

POSTGRADUATE PERSONAL STATEMENT EXAMPLE

ENVIRONMENTAL ENGINEERING

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Postgraduate Personal Statement Example: Environmental Engineering

I first became acutely aware of the urgency of the existential threat of climate change when I attended a college seminar addressing contemporary research into global warming. This seminar shifted my viewpoint and ambition, and after graduating, I joined the Marshall Industrial Development Fund and worked as an analyst in the Department for Environment, Health and Safety. As part of our due diligence process, we ensure that the Fund invests in green initiatives and environmentally sustainable projects. Additionally, we evaluate our clients' performance against sustainable development goals and environmental protection policies, offering support and intervention where needed.

Through personal experience and comprehensive online research, I have recognised the need for existing and future generations to prioritise the creation of a sustainable global environment. Indeed, during my work at MIDF, I observed many industrial projects seeking sustainable solutions for their conventional energy sources and developing strategies to transform processes that generate excessive greenhouse emissions. As a result, I have dedicated my career to contributing solutions in this field, advancing my knowledge and expertise in environmental engineering and seeking to identify sustainable solutions to numerous environmental threats. This ambition is the motivation behind my decision to pursue a postgraduate degree in Environmental Engineering, which will broaden my academic horizons and expertise whilst fulfilling my long-term personal and professional goals.

The Buckley School of Engineering offers me access to numerous outstanding learning resources and engineering facilities, which will enhance my academic, research and collaborative skills. As a postgraduate student, I aim to engage with inspirational faculty instructors capable of offering cutting-edge environmental engineering insights. In this context, I also plan to participate in the Sustainable Engineering Initiative and research innovative, contemporary approaches to carbon capture and petrochemical storage with Professor Lucy Marchetti.

As an undergraduate, I was an active member of campus organizations, and I know I will bring positive energy and a new perspective to the Buckley community. I would enjoy teaching students and classmates how to assess environmental health risks for individuals working in manufacturing facilities and sharing effective approaches to developing effective control measures. Equally, I am keen to learn from my peers and gain a greater understanding of the full range of environmental challenges we face. Consequently, I am confident that this program will allow me to acquire substantial theoretical and practical knowledge and facilitate my meaningful work alongside other professionals in this diverse sector.

Upon graduation, I aim to have developed the decision-making skills required to evaluate environmental challenges and build sustainable solutions in the manufacturing industry. My short-term aspirations include returning to MIDF as an Environmental Manager and developing a methodology for assessing the environmental impact of industrial projects. Here I plan to create a framework for evaluating the air emissions from industrial projects and implementing sustainable solutions to address excessive air pollutants. Subsequently, using my postgraduate knowledge of modelling and data analysis, I intend to significantly influence the control of air pollutants in the steel industry, which have a detrimental impact on both human health and the environment.

My long-term goal is to establish a consulting firm that focuses on environmental impact assessments and designs sustainable solutions that address emissions issues. I intend to increase awareness of clean air rights throughout developing countries by developing a profile as an environmental activist and influencing environmental policy. I look forward to taking the next step on this vital journey as a member of your learning community.

