

**Annex 1 to the Addendum for Double Master's Degrees between Universidad Politécnic de Cartagena and Universität Stuttgart**  
**Double Master's Degree Scheme**

The attached MACROPLAN depicts the 2-year MSc double degree structure in **Energias Renovables at the Universidad Politécnic de Cartagena** and in **Energietechnik at the Universität Stuttgart**. It shows the compulsory and elective modules in each semester as well as the prerequisites for students wishing to spend their 2<sup>nd</sup> year at the partner institution.

**Appendix A: Details of study plan**

1. Semester		2. Semester		3. Semester		4. Semester	
UPCT students at UPCT	Stuttgart students in Stuttgart	UPCT students at UPCT	Stuttgart students in Stuttgart	Stuttgart students at UPCT	UPCT students in Stuttgart	Stuttgart students at UPCT	UPCT students in Stuttgart
Energy and Sustainable Development (compulsory), Part I 6 ECTS	C2 equivalent: Energiewirtschaft und Energieversorgung 6 ECTS	Energy and Sustainable Development (compulsory) Part II 3 ECTS	C1 equivalent: Energie- und Umwelttechnik 6 ECTS	Energy and Sustainable Development (compulsory), Part I 6 ECTS	Energy and Sustainable Development (compulsory) Part II 3 ECTS	Energy and Sustainable Development (compulsory) Part II 3 ECTS	
5 Semi compulsory Basics Module II (each 6 ECTS) or 4 Semi compulsory Basics Module II (each 6 ECTS) and 2 subject of Specialisation Module III (each 3 ECTS)	C4 equivalent: Grundlagen der Heiz- und Raumlufttechnik 6 ECTS 2 Semi-compulsory Modules (Vertiefungsmodule) from List 3 each 6 ECTS	2 Semi compulsory Basics Module II (each 6 ECTS) and 5 subject of Specialisation Module III (each 3 ECTS) or 3 Semi compulsory Basics Module II (each 6 ECTS) and 3 subject of Specialisation Module III (each 3 ECTS)	Industriepraktikum 12 ECTS Studienarbeit (Independent Study Project) 12 ECTS	Completion of ETSII-UPCT Ren. Energy Master required total of Semi-Compulsory Module II or (if already completed) Subject from Specialisation module III Total 27 ECTS	Industrial Placement 12 ECTS One area of specialization from Energietechnik Modules in Specialised Areas at USTUTT 18 or 15* ECTS * If 15 then 1 Soft Skills e.g. Language (German, English) or Communication 3 ECTS (to be taken to complete 30 ECTS)	Master Thesis 18 ECTS 4 Projects in research department 12 ECTS	Master Thesis 30 ECTS
<b>Σ CP= 30</b>	<b>Σ CP= 30</b>	<b>Σ CP= 30</b>	<b>Σ CP= 30</b>	<b>Σ CP= 27</b>	<b>Σ CP= 30</b>	<b>Σ CP= 33</b>	<b>Σ CP= 30</b>

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