

**Excelsior College Bachelor of Science in Nuclear Engineering Technology (ABET accredited)**  
**Lake Michigan College Associate in Industrial Technology – Energy Production Technology/Power Plant**  
**Transfer Guide – June 2012**

**LMC AIT - Power Plant**

<input type="checkbox"/>	ENGY 100	Energy/Power Industry Fund. Concepts	3
<input type="checkbox"/>	ENGY 116	Fundamentals of Nuclear Chemistry and RP	3
<input type="checkbox"/>	ENGY 200	Power Plant Materials	3
<input type="checkbox"/>	ENGY 205	Energy/Power Field Experience	2
<input type="checkbox"/>	ENGY 225	Reactor Theory, Safety and Design	3
<input type="checkbox"/>	ENGY 230	Thermo Fluid Science	3
<input type="checkbox"/>	ENGY 235	Power Plant Components	3
<input type="checkbox"/>	ENGY 240	Capstone and Case Studies	2
<input type="checkbox"/>	TRI 138	Industrial Safety	1
<input type="checkbox"/>	ELEC 100	DC Electricity	4
<input type="checkbox"/>	ELEC 106	AC Electricity	3
<input type="checkbox"/>	ENGY 270	Mechanical Operations	3
<input type="checkbox"/>	ENGY 274	Electrical and HVAC Operations	3
<input type="checkbox"/>	EPT 278	Operation of Power Plant Components	3
<input type="checkbox"/>	ENGL 101	English Composition	3
<input type="checkbox"/>	ENGL 103	Technical Writing	3
<input type="checkbox"/>		Humanities Elective	3
<input type="checkbox"/>		Social Sciences/History	3
<input type="checkbox"/>	MAT 122	Intermediate Algebra	4
<input type="checkbox"/>	MAT 128	Pre-Calculus Algebra	4
<input type="checkbox"/>	PHYS 110	Technical Physics	4
<input type="checkbox"/>	CHE 101	Introductory Chemistry	4
<input type="checkbox"/>		Physical Education/Health	1

**Total Credits Transferred from AS Degree** **68**

**LMC Courses Beyond the AAS**

<input type="checkbox"/>	ENGL 102	English Composition II	3
<input type="checkbox"/>		Social Science/History	6
<input type="checkbox"/>	MAT 130	Pre-Calculus Trigonometry	3
<input type="checkbox"/>	MAT 151	Calculus I	5
<input type="checkbox"/>	MAT 201	Calculus II	5
<input type="checkbox"/>	PHYS 101	General Physics I	5
<input type="checkbox"/>		Arts and Science Electives	3

**Total Additional Credits Completed at JCC** **27**

**Excelsior College courses to complete the bachelor degree**

<input type="checkbox"/>	TECH 220	Workplace Communication With Computers	3
<input type="checkbox"/>	NUC 320	Materials	3
<input type="checkbox"/>	NUC 211	Radiation Measurement Lab	1
<input type="checkbox"/>	NUC 350	Plant Systems Overview	3
<input type="checkbox"/>	NUC 330	Reactor Core Fundamentals	3
<input type="checkbox"/>	NUC 495	Integrated Technology Assessment	3
<input type="checkbox"/>		Technology Electives	6
<input type="checkbox"/>		Upper Level Technology Electives	3
<input type="checkbox"/>		Ethics Course	3
<input type="checkbox"/>	PHYS 203	General Physics II	3
<input type="checkbox"/>	NUC 245	Thermodynamics	3
<input type="checkbox"/>	NUC 240	Atomic and Nuclear Physics	4
<input type="checkbox"/>	INL 102	Information Literacy	1
<input type="checkbox"/>	NUC ---	Heat Transfer & Fluids	3

**Total Credits Completed at Excelsior College** **42**