

AGREEMENT

COLLEGE OF ENGINEERING AND MINERAL RESOURCES WEST VIRGINIA UNIVERSITY

AND

SOUTHERN WEST VIRGINIA COMMUNITY AND TECHNICAL COLLEGE

PREAMBLE: One of the goals of West Virginia University ("WVU") is to make academic programs available to citizens of the state of West Virginia and the region, providing there is student need, faculty expertise, and sufficient resources.

This Agreement would establish a *2-plus-3 program* between Southern West Virginia Community and Technical College ("Southern") and WVU for students who achieve an A.S. degree in the University Parallel - Pre-Engineering option from Southern to transfer into a B.S. degree program in engineering at WVU. This agreement applies to students who have successfully completed the first two years of required engineering course work at Southern, in accordance with the terms and conditions of this Agreement. This Agreement seeks to reduce demands upon the WVU Admissions and Records Office for transfers from Southern into the WVU College of Engineering and Mineral Resources ("CEMR") by formalizing the educational equivalents received for courses taken at Southern, and specifying the remaining class work needed to complete the B.S. in *Engineering* at CEMR. As the academic and administrative units at WVU are asked to become more efficient, this Agreement attempts to minimize the effort required to transition certain transfer students from Southern into WVU and to further WVU's recruiting and enrollment of students from Southern.

AGREEMENT:

- Supervision of the 2-plus-3 program at Southern will be by the *Vice-president for Academic Affairs* and at WVU will be by the Associate Dean for Academic Affairs for CEMR. Notwithstanding anything herein to the contrary, the parties hereto agree and acknowledge that each party hereto shall maintain all control over all aspects of its academic programs, including, but not limited to, admissions.
- Southern students wishing to transfer to WVU's Engineering Program hereunder must meet the minimum entrance requirements to the Engineering Program as established by WVU. Such requirements may change from time to time, at the discretion of WVU. When requirements change, the CEMR agrees to apprise Southern of the changes.
- The above-referenced Southern *Vice-president for Academic Affairs* will provide the CEMR with assessment outcomes on Southern courses the Engineering program at WVU designates as necessary to fulfill the American Board of Engineering and Technology accreditation responsibilities.

- Based upon the evaluation of such and other relevant material, a specific 2-plus-3 program of study will be developed, by WVU Faculty in one of the college's engineering major programs, which specifies what courses will remain to be taken at WVU by students transferring from Southern to complete the B.S. degree as part of the 2-plus-3 program.
- This Agreement shall become effective on *October 19, 2005* and shall extend indefinitely, unless and until either party hereto gives notice of cancellation to the other party at least ninety (90) days before the effective date of the cancellation. In addition, either party hereto may cancel this Agreement upon a material breach hereof by the other party hereto, with notice of cancellation to such other party.
- Each party hereto agrees to comply with, and abide by, any and all federal, state and local laws, rules and regulations applicable to its activities as contemplated herein. In addition, each party hereto agrees to execute such other documents, perform such other acts and provide such other assistance, as may reasonably be required by the other party hereto to further the purposes of this Agreement.
- Neither party hereto shall use in any way, shape or form, the other party's name, logo or other designation proprietary to it, or any derivation thereof, without the prior written consent of the other party.
- Except as otherwise expressly provided for herein, this Agreement shall not be amended or modified, except as set forth in a document executed by duly authorized representatives of the parties hereto. This Agreement shall be construed and enforced in accordance with the laws of the State of West Virginia. This Agreement constitutes the entire agreement and understanding between the parties, and supercedes any and all previous or contemporaneous agreements or understandings relating to the subject matter hereof.

Initial details of the curriculum for the pre-engineering options at Southern and of the courses required to complete the B.S. degree at WVU hereunder, which requirements are subject to change at the discretion of WVU, are listed in Attachment 1.

WVU Approvals:

Eugene V. Cilento 10/17/05
Dr. Eugene V. Cilento Date
Dean
College of Engineering and Mineral Resources

Gerald E. Lang 10/17/05
Dr. Gerald E. Lang, Date
Provost and Vice President for Academic Affairs
West Virginia University

Southern Approvals:

Joanne Jeager Tomblin 10-19-05
Joanne Jeager Tomblin, Date
President,
Southern West Virginia Community and Technical College

Attachment 1

The courses to be completed at Southern before transferring to WVU for a Mining Engineering (MinE) degree are:

Southern Courses			Equivalent WVU Courses		
Course	Title	CR	Course	Title	CR
EN 101	English Composition I	3	ENGL 101	Comp. & Rhetoric	3
EN 102	English Composition II	3	ENGL 102	Comp. & Rhetoric	3
MT 229	Calculus I (See notes: students must complete with a grade of "C" or better)	5*	MATH 155	Calculus I	4
CH 213	Principles of Chemistry I	4	CHEM 115	Fundamental of Chemistry	4
CH 214	Principles of Chemistry II	4	CHEM 116	Fundamental of Chemistry	4
GL 110	Geology	4	GEOL 101	Planet Earth	3
			GEOL 102	Planet Earth Laboratory	1
HS 104	Western Civilization	3	HIST 101	Western Civilization (GEC- 3)	3
SP 103	Speech Fundamentals	3	COMM 100 & 102	Prin. Human Communication	1
				Human Comm. Interpsnl Context (GEC- 4)	2
AR 112	Art Appreciation	3	ART 101	Apprec. of Visual Arts (GEC- 5)	3
PY 201	General Psychology	3	PSYC 101	Intro. to Psychology (GEC- 6)	3
SO 200	Introduction to Sociology	3	SOCA 101	Intro. to Sociology (GEC- 7)	3
HS 105	Western Civilization II	3	HIST 102	Western Civilization (GEC- 8)	3
EG 101	Engineering I	3	ENGR 101	Fresh. Engr. Design & Analysis	2
			ENGR 199	Orientation to Engr.	1
EG 102	Engineering II	3	ENGR 102	Fresh. Engr. Design & Analysis	3
MT 230	Calculus II (See restrictions)	4 **	MATH 156	Calculus II	4
MT 231	Calculus III	4	MATH 251	Multivar. Calculus	4
SU 101	Topographic Surveying and Mapping	3	MINE 201	Mine Surveying	3
DR 204	Computer Aided Design and Drafting I (See notes)	3 *	MINE 261	Engineering CAD	2
PH 220	Physics for Scientist and Engineers I (See restrictions)	4**	PHYS 111	General Physics	4
PH 222	Physics for Scientist and Engineers II	4	PHYS 112	General Physics	4

COMMENTS:

Students must consult with the academic advisor to establish a sequence of courses based on completed course work, prerequisite needs and scheduled offerings.

Students must complete all the required prerequisites prior to enrolling in any course.

* Students do not receive the same amount of credit when transferring to WVU and will complete more hours at Southern than required for WVU-CEMR.

RESTRICTIONS:

** Students must complete MT 229-Calculus I with a grade of "C" or better prior to enrolling in MT 230-Calculus II, PH 211-Physics for Scientist and Engineers or any other course requiring MT 229 as a prerequisite to receive transfer credit for these courses.

Courses to be completed at WVU-COLLEGE OF ENGINEERING for a Mining Engineering (MinE) degree are:

Course	Title	CR	
AGRN 455	Recl. Of Disturbed Soils	3	
GEOL 342	Struct. Geol. For Engr.	3	
MAE 241	Statics	3	
MAE 242	Dynamics	3	
MAE 243	Mech. Of Materials	3	
MAE 320	Thermodynamics	3	
MAE 331	Fluid Mechanics	3	
MATH 261	Elem. Diff. Equat.	4	
MINE 205	Ug. Mining Systems	3	
MINE 206	Surf. Mining Systems	4	
MINE 306	Mining Expl. And Eval.	3	
MINE 331	Mine Envirn. Engr.	3	
MINE 392	Mine Power Systems	3	
MINE 411	Rock Mechanics	4	
MINE 427	Coal Preparation	4	
MINE 461	Appl. Mineral Computer Methods	3	
MINE 471	Mine & Safety Mngmt.	3	
MINE 480	Multidisciplin. Team Project	1	
MINE 483	Mine Design-mapping	2	
MINE 484	Mine Design-Report	4	
	GEC Obj. 9 Elective	3	
	Technical Elective	3	Technical Electives are: MINE 376, 407, 481, 485, 486
	Technical Elective	3	and other courses approved by the Department.
	Total Hours at WVU	71	

67 hours from Southern (69 credits awarded at Southern)

71 hours from WVU

138 hours total