

APPLICATION

Due: Friday, March 6th 2015

AMERICAN CONCRETE INSTITUTE – MISSOURI CHAPTER LUKE AND BILLIE SNELL UNDERGRADUATE SCHOLARSHIP AWARD

PERSONAL INFORMATION

NAME: Bradley Spanberger	
ADDRESS: 2638 Grand Avenue	
TELEPHONE: (618) 219-6847	EMAIL bspanberger@gmail.com

EDUCATION

INSTITUTION	DATES AT-TENDED	CREDIT HOURS	GRADUATION DATE (If Applicable)
Granite City High School	08/09 - 05/12	Advanced	May 2012
Southern Illinois University-Edwardsville	08/12 - Present	98	May 2016

COLLEGE STUDY

Institution: Southern Illinois University-Edwardsville	Location: Edwardsville, IL	
Date of Admission: 08/2012	Period of Study: 08/12 - Present	
Degree Expected: B.S. Civil Engineering	Major Civil Engineering	Minor Mathematics
Previous MO-ACI scholarship winner? Yes ☐ , No ☒ If yes, when?:		

1. **Describe how you developed an interest in concrete. What aspects of concrete do you find most interesting? (Answers cannot exceed allotted space)**

My first exposure to concrete occurred during my CE330 (Engineering Materials) course at SIUE in Fall 2014. Throughout the semester, Dr. Huang taught me the properties of HMA, concrete, wood, and steel. I particularly grew fond of concrete primarily because of its design flexibility. Unlike the aforementioned materials, concrete can be poured into forms to create more than just roads and columns, but also bridges, aesthetic exteriors, monuments and statues, and even boats.

Almost daily, I witness firsthand the craftsmanship that concrete finishers put into their work. Whether I need to match the back of curb with an offset inlet lid, or perhaps require precise handwork to slope the flowline in a gutter to the nearest tenth of a percent, I find the material very rewarding to myself and my coworkers who have patience and dedication.

2. What is your experience with concrete? Include any practical experience gained through work, school, or personal activities.

I have worked for the City of Edwardsville as an Engineering Technician since May 2014. My duties primarily include the design and construction of small jobs (<\$200k) dealing with HMA, Ready Mix concrete, Microsurface, Cape Seal, and Oil & Chip. The scope of these projects range from the design, repair, and general maintenance of roadways, sidewalks, and ADA compliant concrete ramps, to inspections and public negotiation of said projects. I am also responsible for ordering concrete test cylinders, on-site slump measurements, and working with contractors using my design and contract specifications to estimate the timing between concrete truck loads.

During the summer of 2014, I apprenticed our City Engineer on the reconstruction of Grand Avenue in Edwardsville IL. Under his supervision, the contractor and I performed surveys to work out potential problems in laying the precast concrete catch basins and piping for the proposed storm sewer system. Obstacles arose throughout this project, including an unforeseen concrete pavement under the existing road (Grand Avenue lies within a historic district in Edwardsville). I had to design several custom-made fittings and lids to accommodate these obstructions.

For the past two years I have performed private side jobs, including patios, driveways, and sidewalks.

3. What courses relating to concrete have you taken or do you intend to take while in college? Include courses where only a portion of the curriculum is concrete-related.

CE 330/330L	-	Engineering Materials & Lab
CE 342/342	-	Structural Engineering I & II
CE 455	-	Foundations
CE 460	-	Municipal Infrastructure Design
CE 435/446	-	Pavement Design / Advanced Concrete Design

4. What careers are you interested in pursuing after you graduate? How do you feel that your chosen coursework will help you achieve your goals?

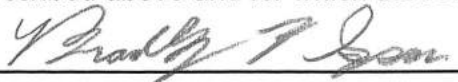
Prior to graduation, I plan on pursuing a career in the public sector dealing with concrete or HMA mix design. Fields within these categories that interest me are: mix design, recycling of materials, additives, and crack prevention. I am confident that the courses I have chosen, my contacts, and the work experience I have accumulated, will allow me to acquire a position upon graduation pertaining to the aforementioned fields.

REFERENCES

List the names of two people from whom you have requested recommendations be email or mailed to the ACI-MO Chapter at the address below.

NAME	TITLE	EMPLOYER	ADDRESS
Roger Kriegel	Former Boy Scout Master	Macy's	(618) 931-4353
Nancy Caufield	Aunt	Crossmark	(314) 302-3813

I certify that the information contained in this application is true and that I have answered all of the questions to the best of my ability. I agree that I will notify the ACI Missouri Chapter immediately when my educational program is interrupted or changed in any manner that may jeopardize the intent of the award. I further agree that I will accept the award only as long as I successfully pursue the program of study I have described above and for which the reward was made.

Signature:  Date: 4 MARCH 2015

National Student Clearinghouse ®

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Enrollment Verification Certificate

Transaction ID#: 030667900

Date/Time Notified: 03/04/2015 16:07 EST

The National Student Clearinghouse as Authorized Certifying Agent for

SOUTHERN ILLINOIS UNIVERSITY - EDWARDSVILLE

verifies the enrollment below for

BRADLEY T SPANBERGER

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Term Start Date	Term End Date	Enrollment Status	Status Effective Date	Date Certified by School
01/12/2015	05/08/2015	Full Time	08/18/2014	02/27/2015
08/18/2014	12/12/2014	Full Time	08/18/2014	01/05/2015
01/13/2014	05/09/2014	Full Time	08/20/2012	05/23/2014
08/19/2013	12/13/2013	Full Time	08/20/2012	01/02/2014
01/07/2013	05/03/2013	Full Time	08/20/2012	05/17/2013
01/07/2013	05/10/2013	Full Time	08/20/2012	01/14/2013
08/20/2012	12/14/2012	Full Time	08/20/2012	01/02/2013

- END OF RECORD -				

Southern Illinois University Edwardsville is accredited by the Higher Learning Commission and is a member of the North Central Association. In addition, certain programs of the University have specialized accreditation. For information, visit: www.siu.edu/provost/pdf/2012_Accreditation_Report.pdf

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Academic Transcript

800478789 Bradley T. Spanberger
Mar 04, 2015 03:04 pm

 This is not an official transcript. Courses which are in progress may also be included on this transcript.

Transfer Credit Institution Credit Transcript Totals Courses in Progress

Transcript Data

STUDENT INFORMATION

Name : Bradley T. Spanberger

Birth Date: Feb 11, 1994

Student Type: Continuing

Curriculum Information

Current Program

Bachelor of Science

College: School of Engineering

Major and Department: Civil Engineering, Civil Engineering

Minor: Mathematical Studies

***Transcript type:INTL is NOT Official ***

TRANSFER CREDIT ACCEPTED BY INSTITUTION -Top-

201325: Southwestern Illinois College

Subject	Course	Title	Grade	Credit Hours	Quality Points	R	
PHYS	152	University Physics II	(A)	3.000		0.000	
PHYS	152L	University Physics II Lab	(A)	1.000		0.000	
		Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Current Term:		4.000	4.000	4.000	0.000	0.000	0.000

Unofficial Transcript

INSTITUTION CREDIT -Top-

Term: Fall 2012

College: School of Engineering

Major: Mechanical Engineering

Student Type: New

Academic Standing: Good Standing

Additional Standing: Dean's List

Subject	Course	Campus	Level	Title	Grade	Credit Hours	Quality Points	Start and End	R	CEU Contact Hours
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Dates

CHEM	131	Edwardsville	UG	Engineering Chemistry	A	4.000	16.000
CHEM	135	Edwardsville	UG	Engineering Chemistry Lab	A	1.000	4.000
ENG	101	Edwardsville	UG	English Composition I	B	3.000	9.000
IME	106	Edwardsville	UG	Engineering Problem Solving	A	3.000	12.000
MATH	150	Edwardsville	UG	Calculus I	A	5.000	20.000

Term Totals (Undergraduate)

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Current Term:	16.000	16.000	16.000	16.000	61.000	3.813
Cumulative:	16.000	16.000	16.000	16.000	61.000	3.813

Unofficial Transcript

Term: Spring 2013

College: School of Engineering
Major: Mechanical Engineering
Student Type: Continuing
Academic Standing: Good Standing

Subject	Course	Campus	Level	Title	Grade	Credit Hours	Quality Points	Start and End Dates	R	CEU Contact Hours
ENG	102	Edwardsville	UG	English Composition II	B	3.000	9.000			
MATH	152	Edwardsville	UG	Calculus II	B	5.000	15.000			
PHYS	151	Edwardsville	UG	University Physics I	A	4.000	16.000			
PHYS	151L	Edwardsville	UG	University Physics I Lab	A	1.000	4.000			
SPC	103	Edwardsville	UG	Interpersonal Comm Skills	B	3.000	9.000			

Term Totals (Undergraduate)

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Current Term:	16.000	16.000	16.000	16.000	53.000	3.313
Cumulative:	32.000	32.000	32.000	32.000	114.000	3.563

Unofficial Transcript

Term: Fall 2013

College: School of Engineering
Major: Civil Engineering
Student Type: Continuing
Academic Standing: Good Standing
Additional Standing: Dean's List

Subject	Course	Campus	Level	Title	Grade	Credit Hours	Quality Points	Start and End Dates	R	CEU Contact Hours
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Academic Transcript

CE	204	Edwardsville	UG	Engineering Graphics & CAD	B	3.000	9.000
CE	240	Edwardsville	UG	Statics	A	3.000	12.000
ECON	111	Edwardsville	UG	Principles of Macroeconomics	A	3.000	12.000
MATH	250	Edwardsville	UG	Calculus III	A	4.000	16.000
THEA	111	Edwardsville	UG	The Dramatic Experience	A	3.000	12.000

Term Totals (Undergraduate)

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Current Term:	16.000	16.000	16.000	16.000	61.000	3.813
Cumulative:	48.000	48.000	48.000	48.000	175.000	3.646

Unofficial Transcript

Term: Spring 2014

College:	School of Engineering
Major:	Civil Engineering
Student Type:	Continuing
Academic Standing:	Good Standing
Additional Standing:	Dean's List

Subject	Course	Campus	Level	Title	Grade	Credit Hours	Quality Points	Start and End Dates	R	CEU Contact Hours
CE	206	Edwardsville	UG	Civil Engineering Surveying	A	2.000	8.000			
CE	207L	Edwardsville	UG	Civil Engineering Computer App	B	1.000	3.000			
CE	242	Edwardsville	UG	Mechanics of Solids	A	3.000	12.000			
MATH	305	Edwardsville	UG	Differential Equations I	C	3.000	6.000			
ME	262	Edwardsville	UG	Dynamics	A	3.000	12.000			
STAT	107	Edwardsville	UG	Concepts of Statistics	A	3.000	12.000			

Term Totals (Undergraduate)

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Current Term:	15.000	15.000	15.000	15.000	53.000	3.533
Cumulative:	63.000	63.000	63.000	63.000	228.000	3.619

Unofficial Transcript

Term: Fall 2014

College:	School of Engineering
Major:	Civil Engineering
Student Type:	Continuing
Academic Standing:	Good Standing

Subject	Course	Campus	Level	Title	Grade	Credit Hours	Quality Points	Start and End	R	CEU Contact Hours
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Dates

BIOL	111	Edwardsville	UG	Contemporary Biology	B	3.000	9.000
CE	315	Edwardsville	UG	Fluid Mechanics	B	3.000	9.000
CE	330	Edwardsville	UG	Engineering Materials	B	2.000	6.000
CE	330L	Edwardsville	UG	Engineering Materials Lab	B	1.000	3.000
CE	342	Edwardsville	UG	Structural Engineering I	B	3.000	9.000
ME	310	Edwardsville	UG	Thermodynamics I	C	3.000	6.000

Term Totals (Undergraduate)

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Current Term:	15.000	15.000	15.000	15.000	42.000	2.800
Cumulative:	78.000	78.000	78.000	78.000	270.000	3.462

Unofficial Transcript

TRANSCRIPT TOTALS (UNDERGRADUATE) -Top-

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Total Institution:	78.000	78.000	78.000	78.000	270.000	3.462
Total Transfer:	4.000	4.000	4.000	0.000	0.000	0.000
Overall:	82.000	82.000	82.000	78.000	270.000	3.462

Unofficial Transcript

COURSES IN PROGRESS -Top-

Term: Spring 2015

College: School of Engineering
Major: Civil Engineering
Student Type: Continuing

Subject	Course	Campus	Level	Title	Credit Hours	Start and End Dates
CE	343	Edwardsville	UG	Structural Engineering II	3.000	
CE	354	Edwardsville	UG	Geotechnical Engineering	3.000	
CE	354L	Edwardsville	UG	Geotechnical Engineering Lab	1.000	
CE	376	Edwardsville	UG	Transportation	3.000	
CE	380	Edwardsville	UG	Environmental Engineering	3.000	
IE	345	Edwardsville	UG	Engineering Economic Analysis	3.000	

Unofficial Transcript

[Overall Financial Aid Status](#) [Financial Aid Eligibility Menu](#)