

University Transportation Centers Program Performance Indicators							
UTC Name: Center for Connected and Automated Transportation							
University: University of Michigan							
Grant # 69A3551747105							
Reporting Period: November 30, 2016 through November 30, 2017							
Performance Indicators	Consortium Total	UM	Purdue	UIUC	Akron	CSU	WCC
1. Number of transportation-related courses offered during the reporting period that were taught by faculty and/or teaching assistants who are associated with the UTC.							
Undergraduate courses	10.5		5	2.5		3	
Graduate courses	11.5	3	5	2.5	1		
2. Number of students participating in transportation research projects during the reporting period funded by this grant.							
Undergraduate students in research	11	5	2	2	2		
Graduate students in research	25	8	10	5	2		
3. Number of transportation-related advanced degree programs that utilize grant funds during the reporting period to support graduate students.							
Masters level programs	4	1	2		1		
Doctoral level programs	4	1	2		1		
4. Number of students supported by this grant during the reporting period							
Undergraduate degrees	4	1	1		2		
Masters degrees	7		5	2			
Doctoral degrees	19	1	12	4	2		
5. Number of students supported by this grant who received degrees during the reporting period							
Undergraduate degrees	2		0	0		2	
Masters degrees	1		0	1			
Doctoral degrees	4		1	2	1		
6. Number and total dollar value of research projects selected for funding during the reporting period using UTC grant funds (Federal and/or Recipient Share) that you consider to be applied research and advanced research							
Number of applied research projects	11	4	6		1		
Dollar value of applied research projects	\$ 1,324,300	\$ 489,685	\$ 737,215		\$ 97,400		
Number of advanced research projects	7	2	2	2		1	
Dollar value of advanced research projects	\$ 869,702	\$ 306,181	\$ 281,523	\$ 232,060		\$ 49,938	

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Performance Indicators:	Consortium Total	UM	Purdue	UIUC	Akron	CSU	WCC
Research							
1.A Research articles published							
Conferences	38	10	22	5	1		
Peer-reviewed journals	16	5	11				
1.B Research projects funded by sources other than UTC and matching fund sources	0						
Number of projects	15	9	5	1			
Dollar amount of projects	\$ 2,988,070	\$ 2,138,070	\$ 850,000				
1.C Number of new technologies, procedures/policies, and standards/design practices influenced by research and applied by organizations ¹	0						
Masters level programs	0		0				
Doctoral level programs	0		0				
Leadership Development							
Performance Indicators:							
Leadership Development							
2.A Keynote speeches or invited speaker presentations							
Number of media engagements	22	11	2	2			7
Number of academic engagements	50	18	2	20	2	1	7
Number of industry engagements	48	25	4	5			14
2.B Leadership positions held							
Regional organizations	11	1	2	1	1		6
National organizations	13	1	3	4			5
International organizations	10	2	2	5			1
2.C CCAT affiliated students holding leadership positions							
Number of students	20	1	6			3	10
Education and Workforce Development							
Performance Indicators:							
Education and Workforce Development							
3.A Number of Workforce Online learning modules created and developed toward the certification of completion training for the emerging CAT field technician							
Number of learning modules	\$ 4		0	1			3
Dollar value of learning modules	\$ 59,951						\$ 59,951
3.B Development of Articulation agreements for C++ software programs and Applied Data Science program with partner institutions							
Number of Articulation/Transfer Programs	4		0				4
Dollar Value of Articulation/Transfer Programs	0		0	0			not available
3.C Development of an active WCC Pre-Engineering Program in STEM disciplines leading to an AAS degree							
% Complete Offering- Pre-Engineering IT Program	1		0				100%
Number of students completed Associates Degree for Pre-Engineering Science Transfer	103						103
Number of students completed Associates Degree for Engineering Technologist-Manufacturing Degree	14						14
Dollar Value of Offering- Pre-Eng'g IT Program	0		0				not available
3.D Number of curriculum development and professional development activities for instructors in related CAT technologies							
Number of Professional Dev. Activities in IT [CAT]	11	1	0			1	9
Dollar value of Professional Dev. Activities in IT [CAT]	\$ 71,900	\$ 50,000	\$ -			\$ 1,000	\$ 20,900
3.E Number of K-12 Career pathways activities related to CAT career fields.							
Number of K-12 Activities in CAT Career Areas	10	4	0			1	5
Number of participants	800	160	0			20	620
Dollar Value of K-12 Activities in CAT Career Areas	\$ 98,950	not available	\$ -			\$ 75,000	\$ 23,950
Technology Transfer							
Performance Indicators:							
Technology Transfer							
4.A Number of new technologies, procedures/policies, and standards/design practices influenced by research and applied by organizations							
Masters level programs	1	1	0				n/a

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Doctoral level programs.	0		0				n/a
4.B Media stories referencing CCAT, CCAT research or other activities							
Number of media stories	11	4	0				7
4.C Newsletters, press releases, and website							
Number of newsletters	6	2	0				4
Number of press releases	2	1	0				1
Number of website hits	1200	1200	0				n/a
Performance Indicators:	Consortium						
Collaboration	Total	UM	Purdue	UIUC	Akron	CSU	WCC
5. A Collaboration with other agencies							
Number of agencies providing matching funds	3	0	2		1		0
Number of agencies participating in CCAT events	35	12	3		2	1	17
Number of individuals from external agencies attending CCAT events	149	86	20				43

¹Also considered technology transfer