

What will they learn??

A Report on General Education Requirements at AA

What will they learn?

A Report on General Education Requirements at 100
of the Nation's Leading Colleges and Universities

American Council of Trustees and Alumni

2009

FOREWORD

(3, 7B47F30DF) =90F

at is the simple questio9F3CF 8 0-4, 9F : @. 4F 1F% @ 700F 9/F 768 94F >6F
49F34FQ : =7F CF: E: F DCC, 7 =42F3CF?, 7CF 1B200=, 70/@, , 74 9CF3: >CF: @>0F
/O>490/F? E24CF: 702e students a 8 E2= @/ 42F49F3CF =Q >F 1F69: B 7D 2CF30CF
B47F@CF: =F 7410?8 CFSpeci c, 70EB CQA, 7@ 70B 30?30=KwwF8, 5 =F4>74@4 9F
=O@4CF0A09F0DF@ 5) ?>F 927A3E: 8; : >P4 9CF40=, ?@0E1 =049F7 92@, 20R&ISIF
2 A0-98 09F =F34?: =100 : 9: 8 4>EB, ?308, ?4>G 9/F: 409. C

(3, 7BCF: @/ F4F 7-8 42IF AC9F >F @F?@/ 09?>900/F =, /H, >O/E647F 9/F
69: B 7D 2CF? E@. 00/F49F30E7- , 78, =60?, 7. 0E @F: 7020F 9/F@940>440F =CF
1, 492F? F/07A0IF%; ; 4 >F760R&ISIE: A0-98 09F =F34?: =10740=, ?@0E8, ?308, ?4>G
, 9/I0: 9: 8 4>EB, ACFO: 8 08 0CF; ?4 9>F 9FI, =F?: 18, 9DF, 8; @>0E2: F
>@= =44270E?@/ 09?>F =0E2=, /@ ?42B 43E2=0 7E2; ; >F49F304H69: B 7D 2CR, 9/F
08; 7 10>F =09: ?4 42IF 19: 7F08 0/ 4/ 0E34HB 47E3, Ae signi c, 9F: 9>O@09. 0F
1 =R&ISIE: 8; 0?44090>F 9/F49: A ?4 9I

1 4230H0/@, ?4 9F@0/F? 1@ 3: 7F., /08 4E?, 9/, =/ >F 2, 4>F @>4 CF =O>@CF
% /, 10E3: B0A0CF3CF =O>@CF? F/@8 -F342>F: B9F 109F: 8 0F1= 8 F4>4 CF >F F
.: 9>O@09. 0EBC9: BE3, ACB3, 7E1 =8 0H&940>4DF IF 34, 2 F =04/097F#: - 0>F
1 , D9, =/E @. 34>F, 70/R0/@, ?4 9F DF3CF // 42F8, . 3400EB 30CF., /08 4>F
=0I@CF? F/O 4 CB3, 74F8; ; =?, 97E0 A42E?@/ 09?>F? F109/F1 =F308 >0A0F @F
O/@, ?4 9F, 99: F CF01F? F 3, 9. C

!, D42F1 =F: 702CF= 96>B 43F @= 3, >42F E3: 8 CF49F4>F8; ; . 7E 9F3CF1, 8 4DF
- @/201F* 0E8, 9DF, =09?>F 9/F?@/ 09?>F =CF; 09/ 42F F1 =?@0CB 43F?: : F4?7F
? E3: BE1 =74F744B342F?8 CF30E3, /E2 : /F41 =8, ?4 9F 9F. 7@ 7

TABLE OF CONTENTS

| | |
|---|----|
| Introduction | 1 |
| Why is a core curriculum important? | 4 |
| What does a good core curriculum include? | 7 |
| Core Curriculum Survey | |
| How are subject areas dened? | 10 |
| How are institutions graded? | 11 |
| Key Findings | 12 |
| Next Steps | 23 |
| Report Cards | |
| General Education Requirements at Top 20 National Universities | 25 |
| General Education Requirements at Top 20 Liberal Arts Colleges | 26 |
| General Education Requirements at 60 State Flagships | 27 |
| Appendix | 30 |
| End Notes | 44 |
| College/University Index | 47 |

At its best, general education is about the unity of knowledge, not about distributed knowledge. Not about spreading courses around, but about making connections between different ideas. Not about the freedom to combine random ingredients, but about joining an ancient lineage of the learned and wise. And it has a goal, too: producing an enlightened, self-reliant citizenry, pluralistic and diverse but united by democratic values.

Harry R. Lewis
Former Dean, Harvard College
WhatWillTheyLearn.com

INTRODUCTION

FAMILIES ARE PAYING MORE THAN EVER 1

ž IF: @=0F 9CF, 9F20P18, 9DF34D2-F @F IF B423040/@, 74 9F = 10>4 9, F
.: 9?, . 7GF 0=> 9, 72= B?3GF 9/FC9/@-D2H-409/>34 >GF>7F? I9, 8 CF FIOBIF FO-0GF
8 @-F CF, 4GF =CFB; : =?, 9F, =>F IF3CF: 7020FC, 0-409. CF @F3CF =09: F3CF
.: =CF @; : >CF IF @F: 7020F 9/FC940=>40IF FCFQ F @; : >CF40 =9402

F, 74B3DF34FQ : =F >GF E>B; 7F @>74 9F - : @F? /, DdE?@/09?>H 3, 7B47F
?3CFQ =90SpeciF, 70B 4F?3CFE, 4F?3CF69: B 70/2CF 9/E647F?3CF900/F? F
.: 8; 0CF9F3CF27 -, 78, =60, 7. 0GF / F @H9, 74 9F3: @23?1@70F 9/F CF4107 92F
70 =90=>CF , 9DF: 7020E2@4 0F 9/E, 9642ED>08 >B Q >@CF9>74@4 9>F =0>2CF
, 9/FQ @, 74 9GF @H9: E2@4CF3, >F7: 60/F 7B3, 7students are>actually required to
learnF F4FQ : =GF 7 92B 43F4F: 8; , 94 9B0 >40FWhatWill eyLearn.comG
, >B >F? F: F>F3, 7

(3030F?@/0= @4" F , >B >F3, 7F=

I9 I9 F

Q F I ? F

WHY IS A CORE CURRICULUM IMPORTANT?

TO ANSWER THIS QUESTION, :

/9. =Q >D27E3CF/08, 9/>F IF30E8 : /0-9IB: =61 = CF90 O>4, 7CF>F@ 3EFF =, /F
2090, 70/@, 74 9IF E@ACE: 8 8 4>4 90/F IFCF : 910-09. CF : , =/F 9/F 730>F
, >60/IC8 ; 7 DO>IB 3, 7F30CF 07ACE =CFAC-DF8 ; ; =, 97F, >4E647F: F5 - E@. O>F
, 8: 9290BIB: =61 = CF8 08 - O>R 4. 7/ 42E2, /@ 70F IF @HDQ =F: 7020IF
... =/42E? F30CFQ : =GsignIF, 97908 - O>F IC8 ; 7 DO>F747B =492E0 / 42F
.: 8; =CB09>4 90B, 7308, 74 >E. 49. 0F 9/FI =029F792@ 2CF >AC-DF8 ; ; =, 97F
: =F8 ; ; =, 97F, >4 E647F 9/F69. B 7/ 20IF Q 9B340E0BF IF30E8 ; 7 DO>F
>@-ADD/F 07ACE: @HDQ =F: 7020E2, /@ 70F3, AC60C 0709?F69. B 7/ 2CF =E647F
4E 9DE IF30CF =Q >F

F4900/FI =E2090, 769: B 7/ 20F4FI@730F@/O>: =0/F DF30FI. 7F3, 7F30CF
~ @Q CF IL, - : =F5?, 7474 >FQ : =>F3, 7F @-097B: =60>B3: 7F 9F AO, 2CF IFwEF
/4I0-0975 - >F 0B009F3CF 20F IF<F 9/FI yI^Fi - F/O> =4 74 978, DA =DF @F30CF
>647F 9/F69: B 7/ 20F3, 7F: 8 CF= 8 F E: 74E2090, 70/@, 74 9I0<@4 E2, /@ 70F
with the IC4 44D? F/, ; 7F? F F 3, 9242E5 - IB, =60IF

9: 730F8 ; ; tant benefE IF F: 30-09F: =CF @-4@78 F47F- 44D?. FI >0F
, 60: 8 8: 9F: 9AO>, 74 9IF 8: 92E?@/09>E: 990 742F308 IB: =CF 7 >0DB 43F
1. @7E 9/IB 43IQ. 3E 730F >F : 78 - 4R: 940>4D9. 70F 9F7B0 >40E
.: 8 8: 9E2090, 70/@, 74 9F: @>06 =Q 7CF F: 8 8 @4DE IF97070 ?@ 7/4: : @>CF
73, 7E: 47E A0F CD 9/F3CF 7>: : 8 F 9/F0? F: =8 4. =D<F 442E3, 74E 9/F3CF
8, 9DE, 1 >F3, 7E@= @/F3CF, 8; @Ip^I 43: @F34E: 8 8: 9F: 9AO>, 74 90F
73CF, 8; @F46F 0: 8 42F0>FF: 8 8 @4DE IE: 3: 7=>F 9/IB: =CF F 45 470/F
58 - 7E IF4: 770/E2= @ >F

4. 77E >B8: =CF 9/IB: =CF?@/09>B 43FA =4 @F7AO7E IF =Q, =0'90>E2 F? F
.: 7020E F: 30-09F: =CF @-4@78 F IO>F 9F@9, =, 7070/IB, DE: =F308 F? F
8, 6CF30CF?, 9>44 9FI: 8 IB43E. 3: 7F: IB: =CF /A 9. 0'E?@/DF 7F F8 CB 309F
=08 0'4 74 9F4E E0-4 @F4>CFI. 42E8, 9DE: 7020E30E2090, 70/@, 74 9F
. @-4@78 F = A/0F 9F ; ; =?@4DE? F: 70F73CF, >4E647F 9/F69. B 7/ 2CF
>@/097B 47900/IF 4>7F 9/E0: 9/HDQ =E2090, 70/@, 74 9F: @>0F an F74DF
, 9DE2 ; >4E F?@/097E =0A @70/@, 74 9F 9/F @7I@: 9IC4?42E69. B 7/ 2CF
/9E343E. 3: 7E?@/09>B8, DE3, ACB, /F FCC?: : 6F9? = /@ 74 9F? F 8 0-4, 9F
34?: =DF @F 7F3CF: 7020F7AO7E30CF, 9F /A 9. CF? F =B, =DF: . @8 097E 9/F3CF

WHAT DOES A GOOD CORE CURRICULUM INCLUDE

A GENERAL EDUCATION CURRICULUM NEEDS TO GIVE STUDENTS

0>09?4 F647F 9/F69: B 70/20F@: 9IB343F3CF0>F IF?304H0/@, ?4 9R 9: ?F: F
8 09?4 9F?304H1@?@C08; 7 D8 09R /Q 09/>F FO-CF4E@0D9: F 906: =0 ?IB, DF
: IF: 42F34HF9/00/C0C4?42F8: /07FA =DB40DIF/B: F IF?30F8: >IB07H69: B9F
2090, 70/@, ?4 9F = 2, 8 >P0F3CF: @?>H0E =IC 8; 70E3: >CF F: 78 - 4F
&940>4DF 9/F30R&940>4DF IF 34, 2 C0<@4CF?@/09?>F: F?@/DF 7>>4IB: =6F
4F 34? >; 30EB4?: =DF 9/F40, ?@CF 9/E, ; ; 70B43E2-Q F?34960>F@ 3E F
=4?: 700#: @>Q @G 9/HI, 9T F

S@ 3E = 2, 8 >F-CF@/: @ 70/7E 3, 709242CF: 97097H43G 9/F: 30-09?H00F?304F
; , =?4@7 F; ; , =, . 3F4F/4E @7F: F: 8; , =0B43F ?30F: 7020F 9/F@940>40DF
. : =F3CF @; : >0F IF34E?@/DF ' % F30-0I =CF@048 0 >@0F3, F 77 BF F7 =2CF
9@8 - 0F IF 40>CF = 2, 8 >F: F CF: 8; , =0F 2 4>F: ?3 specIF E?, 9/, =/ >F 9/F
Q. 3E ?30F, =H: 8 E@220>42F3, F?30-CF4E 97E 90B, DF: F @4F F: =CF =F 9CF
B, DF: F@20F3CF=2 =F IF E: 7020E2090, 70/@, ?4 9F0<@408 09?>F ' % DF
; @; : >CF? F = A4 CF, =09?>G?@/09?>G=@700G 9/F: 702CF /8 44?: ? =>IB43F F
>, =42E: 47H =IC, 8 442F3CF. ?@ F: 9709F IF @=4@7IF

/9F: 9>40>42B3, F?3: @/F C0D. 70/O F0F IB07H: @/0F: 7020F/@, ?4 9G
8: >F 0; 70B47E 2-0CF3, F?3CF =8, =DE, 74H =F?@/09?>F: F0 =F =44, 7B, - 4F
: I8 4/IF FO-CF647F =CF9: F?, @23F49E 9DE 9CF 7 >G @F =CF @47F 9/F@ F90F
: A0F?8 CF >F?@/09?>B=0?70B43E2-Q F?34960>F0F8, 9D I07 >F IF69: B 70/20F F
90 0>, =DF =0<@44CF =F?@/D42F3CF3@8, 9IB: =7F4F 9F - 44DF: F: 8 8 @4, ?CF
4F4IF FO-0I =0E4H0>09?4 F?3, F?@/09?>F 0: 8 CF =0 F 497F0F?304F0 /42CF
B=442CF 9/E; Q 642E = 8 F?34G4H 77 B-F?3, 7B4230H0/@, ?4 9F3: @/F 7: F
49? /@ CF?@/09?>F: E2-Q F40, =DB: =6H? : F 97DF: 0F?3CF?@/DF I0C 0709F

710; 7@CF; Q 6F? F3CF =Q /?3F IF3@8, 910C, 0=4D9. 0F @74F 7: FQ. @7, 70F3CF
3, - 4F IFQ / 42F 9/F=10 74 9F?3, 7?@/09?B 47@CF: F3CF0>F IF304F740>F
/918, 91F, >0CF: 70208, =6F3CF7>7F48 CF?@/09?B 47FQ /F : : 6F3CF: 19: 7F
. 3: >CF?308 >7A0@B, 642F40A0918: =CF =0>42F? F 10F308 F 910=4 342F
0/@, 74 9, 70C, 0=4D9. 0F

9: 73040C 0709F?: 7F: F@/0=>, 9/ 42F3CF =Q /?3F IF3@8, 910C, 0=4D9. 0F4F3CF
>@/1F 1F 1F: =029F7 92@ 201E, 92@ 201F >F F/ 40 7F=10 74 9F 1F3: @237F = A4/O F
27B; >0FQ? F30B, D49B 34 3E Q ; 7E 1F/410=09F @7@=0F 0=: 04CF?30B: =7IF
// 44 9, 70F0F 9FQ. =Q >42F4970=: 990 70/1B: =7008 ; 7 D0=>B4237E =4CF
.: 8 ; 0709. D49F 1F: =029F7 92@ 201

73: @23169: B 7/2CF - : @F 1A, =41E 1F @7@=0F4A 7@ - 70B423040/@, 74 9F0F F
100E: . 4074F 7: F3CF0/@, 74 9F 1F 4409>F0=01 =0CF40>0974 7?3, 7F: 7020F
, 9/1@940=>40109=@CF?3, 7?@/09?B, ACF 1B: =642169: B 7/2CF 1F3CF34?: =F
, 9/1E A0=942FQ>74@4 9>F 1F34F: @9?1F F: 8 ; =0309>40@/0=>, 9/ 42F 1F
8 0=4, 919, 74 9, 734?: =1F 9/1E A0=98 097?3, 7FQ. 7@/0F: ?3F 3=: 9: 7 24, 7F
, 9/F308, 74F =Q /?3F4FQ/4; 09>, - 7F1: F3CF1 =8, 74 9F 1F 4409>F 9/1F: F3CF
; =0=0A 74 9F 1F @F1=0CFQ>74@74 9>F

f@>F >F?@/D92F3CF3@8, 91B: =7F0=@40F7 92@ 201F?@/D92F3CF9, ?@, 7B: =7F
=0=@4018, ?308, 74 >F 9/E: 467 I

; => 1, Ü 9E 1F: 4 HA 74 9F 1F
3 94.: 4>0F
; =a 4 /~
=0=— 9w f@r , F

Q : 9: 8 4F : 7 4D-B, AC F 9F?3CF7AO-F IF 7F 44EC9-CEO O>4, 7CFD>?=@ 74 9FDF , >4F
Q : 9: 8 4F =D. 4 7D-FI =F01 =8 O/F 44EC9>34 IF

ž IF : @>OG =2@8 O9?F, 9F O8 , /OFI =F0. 7@/42F 9DF9@8 - O4F IF //44 9, 7? ; 4>G
>@ 3F >F =7@B @4G >D 3: 7 2OG> . 4 7 2OG 347 > ; 3OG =B: =7F34? =DF @FF: =CF
. @=4@7@8 F3, 7I, 4Z? FQ<@4O8 : >F IF?3CF0A09IF6CF@ 5D ?F @740/F49F34F
=Q : =B 479: F, 74IDE3CF , >4F/O8 , 9/>F IF000=, 7O/@ , 74 9IF0AO, 74D>74@4 9>F
2 F- : AC F 9/F CD 9/F34B8 : /OR , 9/IB 30-OAOF : >>4 70B09: 7CF3, 7F3CF: R
- @F 78 , 9DF ?3O>G?@ O9?F@9F3CF46F IF : 8 ; 7D42F?3047/O2-00-B 43F 9ZF F
; , ? 3B: =6F IF01 =8 , 74 90D: 7F3CF: 30-O97@9/O>?, 9/42F?3, 7F 3, =. 7O4EO F 9F
O/@ , 7O/F O>: 9IF

HOW ARE SUBJECT AREAS DEFINED?

ž IF: @>OF 8; ZB, A92EQ<408 09?F, 70/EL 40, ?@CF =F , ?308, ?4>F: 019: 7F
4H. 78 0 9F3, 7E?@/09?B 4F. ?@ 7ZF?@/DF3: >CF@ 5 ?>DF 18, 990F;; =; =4 7CF
1 =2090, 70/@, ?4 9F @; : >OF >F =0A @ZD9: 70/G 4?4 @?4 9EQ<408 09?F
: 918: >F, 8; @OF? /, DF 0-8 4E?@/09?F? F 46H= 8 F 1B 4CF, 92CF IF: @>OF
?3, 7F 109F =09, = E1 : 940/<79, =/CF : F 4 /, 10=F : /, 3) ??> 19: 70H/<H =0

ACTA'S STUDY INCLUDES A WIDE RANGE OF INSTITUTIONS, ~~1= 8 F~~
~~7=20F @ 71F@940=40~~

': 702CF = . 7 4 F304F/O 4, 74 9F? F3CF =9. 4 7DF 9/E2 , 7E IF4 O, 70/@ , 74 9CF
- @F9E1 . 7E, ACF4?@ 7D9: FQ<@408 O9?F* F O>7D 9R&940>4IE = 8 40F
73, 74P2090, 70/@ , 74 9F @-4 @78 IB 47E 7 BFI-O-38 O9F 9/E; ; 3: 8: -OF? F
CC, O=49. CF?3CFd@7F 48 O9>4 9F IF9?070 ?@ F =Q /?3FA, 7? F F4 O, 70/@ , 74 9If
1 : BOAOE?@/O9?F, 9F D , >E, =/E. 49. CF: @>OF9E1 A =F IF 7>OF@ 3E >HCF
! >D 3: 7 2DE IF#Q /42F =d 3D4>Ft =F @>CF =O4 O9?Ip 9/F3CF, 9F A 4F
- = , /E@ADE IF34? =DF 9/F4O, ?@CF 7: 2030=H 43E@ 3E: @>OF >E" A=D, DF
.: =8 >F IF#O4?, 9. QF 9/F2 = T 4?: =DF 9/F3CF =:79/F = B9>? 9CF
" @ =Dp*F9/OO/G-wE O= O9E IF3CF: H, 70/EL 4 O, F =>F : 7020E, ACFB: F =F
10BOE IF3CF: @>CFQ<@408 O9?IBCF 9, 7EO/IF#, ?3O4?3, 9F IO=42E F=@F4 O, F
O/@ , 74 9F/O=290/F. F4 O, 7CF3O8 4/OE3O=CF: 3: 7E =CFDIO IO 7FO A42E4@ F
to students to E@CF @IB3, 7F3OEB 479OO/R , 9/FI, 8 40E =CF, D92F/O =DFI =F
?3CF =A4O2CF IF F: HHD @>O7E @-4 @78 I

ž ?3CF: 7020F 9/FQ40>40>E2ACF3CF; ; Q = 9. CF IFQ<@408 O9?CF @F3CF7 92F
74E IO 7D 74E: @>OF?3, 7E, 9F CF, 609F09/O=>F3CF9: 74 9F IF E-Q<@408 O9?F
8 Q 94270>IF?, 91 =/R&940>4IE =OC 8; 70E 7D 20F? F4D? = /CF?@/O9?F
? F3O8 , 5 =E: . 4 7E34? =4, 7E @7@, 7E 9/F9?070 ?@ Tt = OF?3, 7E3 ; CF3CF
.: 9?8 ; : = =DB: =7GF @F3O9F 77 ws students to full7F304F 8 O4, 9F @7@OF
=Q<@408 O9?IB 43E: @>OF@ 3E >E1 4B: n 7FCZ CB#O9, 4>, 9. CF IF F , B, 4 9F
l @4, 7%, /44 9If

7Ež: =3BO>70-9R&940>4IE?3CF: =8, 7E?@/DFQ<@408 O9R , F = , /O49, 8 CF
1 =B, ?3O8, 74>R . , 9F O8 OIB 43E: @>OF 9E8 @4F3O =DF =F7 A4F42@4?4 J*F
9/F F F : =907R&940>4IE?3CE 4O, ?@CF 9/F3CF =>F 4?4 @4 9F, 7O2 =DF
, 77 B>E?@/O9?F? F, 6CF 9D342E1= 8 E9?0-9, 74 9, 7E 48 F IF3CF, ~wvF? F
d @4F 9/F 3: =O 2=; 3Dp*F(3, 7OAH?3O8 O4E IF3O=CF: @>OF3OEF: E9: F
; = A4CF3CF = , /FI @/, 74 9F IF69: B 7D 20F?3, 7E2090, 70/@ , 74 9F >F E@7E @23F
? FQ<@4O

HOW WELL ARE INSTITUTIONS PROVIDING
A



| | |
|--|--|
| | |
| | |
| | |



| | |
|--|--|
| | |
| | |
| | |
| | |
| | |

| | |
|--|--|
| | |
|--|--|



GRADE: F

| | |
|-----------------------------------|---------------------|
| Amherst College | \$37,640 |
| Bowdoin College | \$38,190 |
| Brown University | \$37,718 |
| University of California-Berkeley | \$8,932 / \$29,540 |
| Colgate University | \$39,545 |
| Cornell University | \$36,504 |
| Grinnell College | \$31,098 |
| Hamilton College | \$38,600 |
| Haverford College | \$37,525 |
| Johns Hopkins University | \$37,700 |
| Middlebury College | \$49,210* |
| Northwestern University | \$37,125 |
| Oberlin College | \$38,280 |
| University of Rhode Island | \$8,678 / \$24,776 |
| Rice University | \$28,996 |
| Rutgers University-New Brunswick | \$11,540 / \$21,488 |
| Smith College | \$49,210* |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Today's anything-goes curriculum means students are left unprepared to succeed in the global economy.

Economics has never been more important, but hardly any universities require it.

° O; 40P4>F8 ; : =? 9. CFDF E27 - , 7EO/IO : 9: 8 DF , >4IO : 9: 8 4>P4FO<@4O/F F
: 9TFB: F @F IF3CFxvwFQ>?4@?4 9>F@<ADD/ F3CF&94O>4DF IF 7>G H , 4 , 96>F
, 9/F3CF&94O/IS? 7O-F 4F, =DF . , /O8 DS(O>F : 4?IFFO<CFB: FQ>?4@?4 9>F
>3: BF3, F F?<DF =B, =/H? : 642E2090, 7O/@ , ?4 9F = 2, 8 FQ. 7@/O F : ?3F3CF
? = /44 9, F 9/F3CF49: A ?4CF

· : 7020F 9/F@94O>44DF : 9>, 9?DF = 10>F3, F?3CFE006F? F: 9>?@ F F
. @<4 @78 F3, 7B 4F //<O>F3CF , =?4 @7 =900 >F IF?@/O9>F4F?3CFyx>F O9?@IF
/E008 >F7 24, 7E309E FQ. 7@/CF3CF?@/DF IO : 9: 8 4>R , F? ; 4F , =?4 @7 =7F
>@4O/F? F: 9?O8 ; : = <DF4ICR B 434DF F: <CF @<4 @78 F3, F 7: FO; O ?F3CF48 CH
3: 9: <O/F? = /44 9>F IF3CF4 O, F =?I

Informed qrmed35001B002C> 4.6002F0802C>-5<001B>5<001E0023002E00230029>5<

' 5 . "ð Ð à Ð À) , 05) , - P . à P ° P 5 P Ð P ° À

· ð -P5& # ÐP àP # Bð À À P à à P à ð P P ð à " ° À Ð à ° € à ´

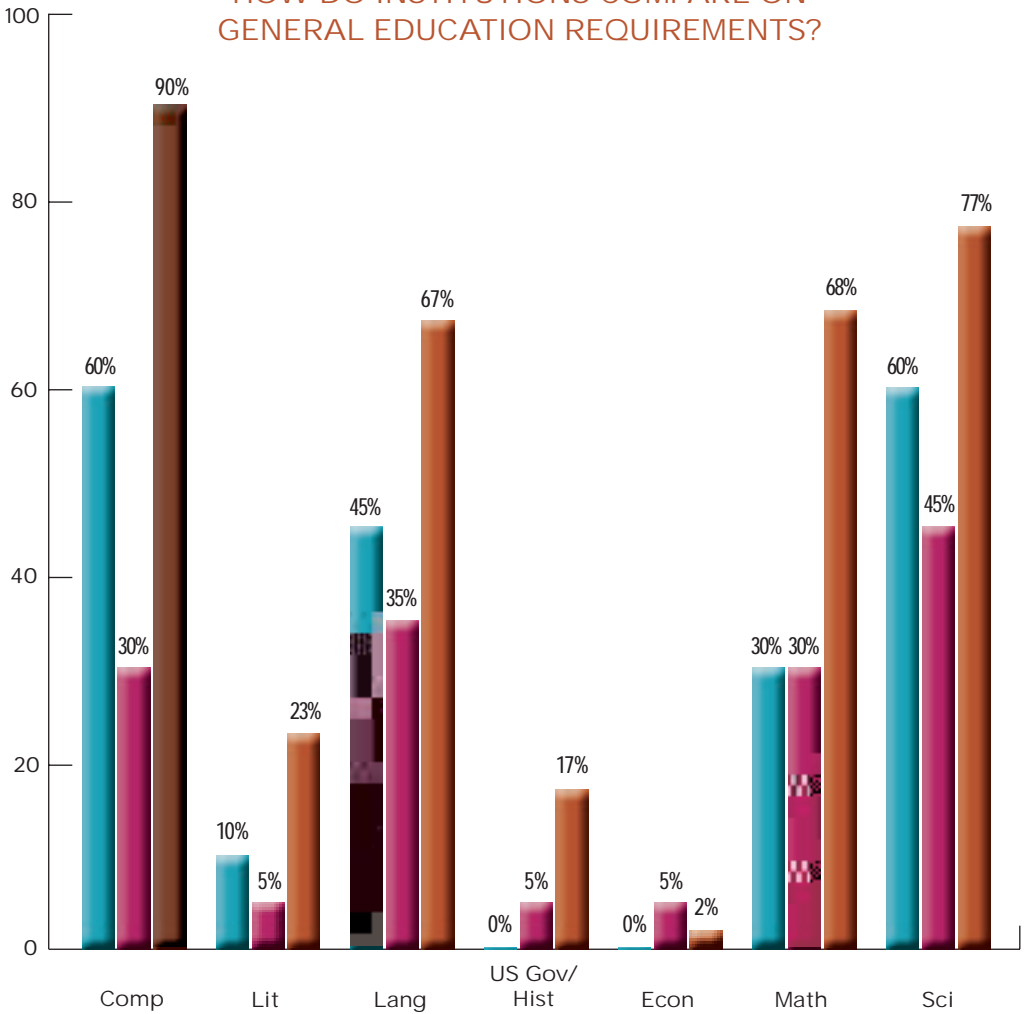
*- * ° à P à ð . - 8*

P à(sP / , ,

(5# Ð

Understanding math and science is essential to survival in the modern world, not to mention global competitiveness, but our colleges and universities are doing little to advance that understanding.^{FT}

HOW DO INSTITUTIONS COMPARE ON GENERAL EDUCATION REQUIREMENTS?



Total # of 100 Schools Surveyed
Requiring Each Core Subject

| | |
|-----------------------------|----|
| Composition | 72 |
| Literature | 17 |
| Foreign Language | 56 |
| U.S. Government or History | 11 |
| Economics | 2 |
| Mathematics | 53 |
| Natural or Physical Science | 67 |

National Universities
Liberal Arts Colleges
State Flagships

COLLEGES MUST SHOW THEY ARE CAPABLE IF . . . /08 4F/4: 4 70CFTFCF /4F@CF =, DE IF: @>OF3, 79: BF, >>OF >E2090, 70/@, ?4 9F4F@, .. 0 ? - 7F4F 8 0-4, 9E2, /@ ?0>CC, 0 7F: F: 8; 000F0 ?407D4DF3CE27 -, 78, =60, 7. 0H 0-CF 4E3: BE3CF4@ ?4 9E, 9F CF08 0/4/I

Colleges and universities 18 @78, 6CF8; = A02E2090, 70/@, ?4 9F 9F@-209F ; =4 =4DFF0-CF =CF 8; 7E; ; : =?@94DF? F: E: IF9E F0 09F?@/ DE, F 0= 09F : 1F0?4@4 9-E@-ADD/E, 4F3CDB0-CF4DF3CF = . 0>F 18: /4D02E =F >>0>02F ?304E = 2= 8 >Y EBoards of trustees 0DE: 7- : = ?4 9EB 43E1 . @7D8 08 - 0>E3: @7F 4>4F 9E F: @>CF 1E?@/DF3, 7B 4700>-CF?@/ 09?F0) =9F3CF?3402-F3CD900/F ? 169: B1TF 4E8 Q 9>E2090, 70/@, ?4 9E @-4 @7F 3, = . 70-EO/F D8 Q 94021@F =0-@408 09?G#E f 2 F 1 ? F F IF30 F IF109ce =H ~ 09

REPORT CARDS

GENERAL EDUCATION REQUIREMENTS AT TOP 20 NATIONAL UNIVERSITIES*

(in alphabetical order)

| INSTITUTION | Comp | Lit | Lang | US Gov/ Hist | Econ | Math | Sci | GRADE |
|-----------------------------------|------|-----|------|-----------------|------|------|-----|-------|
| Brown University | | | | | | | | F |
| University of California-Berkeley | | | | | | | | F |
| Carnegie Mellon University | | | | | | | | C |
| University of Chicago | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

* Top 20 National Universities according to U.S. News & World Report's 2009 college rankings. California Institute of Technology and Massachusetts Institute of Technology are not included in this listing because they are science and engineering schools.

GENERAL EDUCATION REQUIREMENTS AT
TOP 20 LIBERAL ARTS COLLEGES*
(in alphabetical order)

US Gov/

* Top 20 Liberal Arts Colleges according to U.S. News & World Report 2009 college rankings. Harvey Mudd College not included in this listing because it is a science and engineering school.

GENERAL EDUCATION REQUIREMENTS AT
60 STATE FLAGSHIP INSTITUTIONS*

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]



~ 07BEBCC 74CF >F;; 7A, - 70B3DBCF/4E9: F: @9F >F: =0

Bowdoin College: $\mathbb{Z} : F \rightarrow \mathbb{Z} : F : 8 ; : \times 4 9 F 0 , @CF?3CF \text{ 4-} \mathbb{H} 0 \text{ F}$
 $S08 4, \Rightarrow F : F : F . @JC \text{ 7-} 407F 9B \text{ -} 492I\mathbb{Z} : F \rightarrow \mathbb{Z} : F \text{ , } \{308, \{4 \text{ F}$
 $- 0 , @CF?@/O9?B, D@CF. 49. CF \text{ -} 0 : 9 : 8 4 \text{ F} : @\Rightarrow O? F, \{41DF3CF$
 $1 \text{ , } \{308, \{4, \mathbb{F} : 8 ; @, \{4 9, \mathbb{F} \text{ -} \{5?, \{4\{4, \mathbb{F} \# 0 \times 942F \{4\text{-} 4 @4 9F0 \text{ -} 408 O9F$
 $S?@/O9?B, DF \{ F A 4B, \{308, \{4 \text{ F} 0 , @CF4F4F 7 0/F49? F3C\mathbb{Z} , \{?, F$
 $S. 49. O\text{F} 9/F \text{ , } \{308, \{4 \text{ F} 444 9F0 \text{ -} 408 O9I$

University of California-Berkeley: $\mathbb{Z} : F \rightarrow \mathbb{Z} : F : \text{-} 029H, 92@ 2CF$
 $- 0 , @CF 97F0 : 9/H08 0\text{-} 0F : 8 ; 0\{9. D4F0 \text{ -} 40/I\mathbb{Z} : F \rightarrow \mathbb{Z} : F$
 $\&JSIF : A0\text{-}98 O9F \text{ -} 4? \text{-} DF 0 , @CF?3CF 8 0\text{-} 4, 9H 4? \text{-} DF 9/F9\text{-} 4@4 9\text{-}$
 $\text{-} 0 \text{ -} 408 O9B, y \text{ be satisf} 0/F D343F. 3 : \mathbb{F} : @\Rightarrow CB : \text{-} 6F \text{ -} 49, \Rightarrow BE : @\Rightarrow OI\mathbb{Z} : F$
 $\text{-} 0/F \mathbb{Z} : F \text{ , } \{308, \{4 \text{ F} 0 , @CF?@/O9?F, 9F0\text{-} F @F 1F3CF @ 9\{4, \{4CF$
 $\# 0 \times 942F0 \text{ -} 408 O9F3 \text{ -} @23F \text{ \%} F : \text{-} OI\mathbb{Z} : F \rightarrow \mathbb{Z} : F \text{ -} \mathbb{Z} , \{?, F \text{ -}$
 $! 3D4, \mathbb{F}. 49. CF 0 , @CF@ 3F : @\Rightarrow O\text{F} \text{ -} \{(\text{ 4/79/F 4CF. 49. O\{B, D\mathbb{F}, \{41DF$
 $\{3CF 3D4, \mathbb{F}. 49. CF0 \text{ -} 408 O9F 9/F_0 490\text{-} F \text{ -} H 40F 3D4, \mathbb{F} / , ; ? , \{4 9\text{-} F? F$
 $\sim C\text{-} 4Q\{B, y \text{ full} F?3CF 4 7 24, \mathbb{F}. 49. CF0 \text{ -} 408 O9I$

University of California-Los Angeles: $\mathbb{Z} : F \rightarrow \mathbb{Z} : F \text{ -} \&JSIF : A0\text{-}98 O9F$
 $: \text{-} 4? \text{-} DF 0 , @CF?3CF 8 0\text{-} 4, 9H 4? \text{-} DF 9/F9\text{-} 4@4 9\text{-} F0 \text{ -} 408 O9B, DF CF$
 $\text{satisf} 0/F D343F. 3 : \mathbb{F} : @\Rightarrow CB : \text{-} 6F \text{ -} F DF : @\Rightarrow O\{9, \Rightarrow B49F. ; ; OI\mathbb{Z} : F \rightarrow \mathbb{Z} : F$
 $1 \text{ -} 4? \text{-} DF 0 , @CF \text{ \%} F : \text{-} O\{B, D008 ; \mathbb{F}\text{-} @/O9?F \text{ -} 8 F3CF @ 9\{4, \{4CF$
 $\# 0 \times 942F0 \text{ -} 408 O9I$

Carleton College: $\mathbb{Z} : F \rightarrow \mathbb{Z} : F \text{ , } \{308, \{4 \text{ F} \text{-} \mathbb{Z} , \{?, F \text{ -} 3D4, \mathbb{F}$
 $S. 49. CF 0 , @CF?3CFB : F @ 5 \{F \text{ -} CF 7 0/F49? F3CF \text{ , } \{308, \{4 \text{ F} 9/F\mathbb{Z} , \{?, F$
 $S. 49. O\text{F} 0 \text{ -} 408 O9F \{3 @F?@/O9?B, D00 \mathbb{F} 9CF 9/F9 : F?3CF \{30I$

Carnegie Mellon University: $\mathbb{Z} : F \rightarrow \mathbb{Z} : F : \text{-} 029H, 92@ 2CF 0 , @CF$
 $\{3CF : 8 8 @4, \{42H, 92@ 2CF 9/F90\text{-} \text{-} 0, \{4 9\text{-} F0 \text{ -} 408 O9F 7 B \text{ -} F?@/O9?F$
 $? F 3 : \text{-} CF O\{B O9F40\text{-} 8 0/4 \{CF 92@ 2CF \text{-} 0F 49. DF \text{-} @ 3F : @\Rightarrow O\text{F} \text{ -} F$
 $\sigma 9? \text{ /} @ \{4 9F? F 0 \text{-} 1 \text{-} 8, 9. CF0 \text{-} DF \text{-} H \text{ , } 5 \text{-} H : \text{-} 6F 1H : / 0\text{-} 9F : 0 \text{-} D\mathbb{Z} : F$
 $\text{-} 0/F \mathbb{Z} : F \text{ -} \&JSIF : A0\text{-}98 O9F \text{ -} 4? \text{-} DF 0 , @CF?3CF0 \text{ -} 40/F34? \text{-} DF : @\Rightarrow OF$

Harvard University: $\tilde{E} : F=O/4E2409E \neq : =029EL, 92@ 2CF 0, @CF 97E 9CF$
 $DQ \neq F IF792@ 2CF4E0<@40/I\tilde{E} : F=O/4E2409E \neq \&ISIF : A0-98 097E \neq 4? \neq D$
 $- 0, @CF?30R&940/IS?, ?0-F9F?30E : =7FE0<@408 0974H8, /CF@ F 1E943CF$
 $.. : @>O\tilde{E} : F=O/4E2409E \neq , ?308, ?4>F 0, @CF: @>OHB43F4?7CF: 702CH$
 $7A078, ?3E: 97097R >@ 3E >0, ?F 3, 9. 067E: @>CF 470/E9E4>F/O: =4 ?4 9E >$
 $@: 78, ?308, ?4, 7DE/08, 9/42R 8, y be used to full7E3CF 8; 44, F 9/F$
 $l , ?308, ?4, 7#Q > 942FE0<@408 097E$

Haverford College: $\tilde{E} : F=O/4E2409E \neq : 8; : >4 9F 0, @CF?30B=492F$
 $\neq 4E09E09E) 5(\mu \tilde{A} \# E SPRIN \backslash 09, 1765E) 45 \bullet (E# 4 \tilde{a} \ddot{o} \text{E} \tilde{o} 5 . \text{E} (5 \tilde{A} \bullet 5)$

Iowa State University: $\tilde{E} : F \rightarrow 4E2A09E \neq : -029EL, 92@ 2CF 0, @CF 97E 9CF$
 $DQ \neq F7 92@ 2CF?@/DE4E0<@40/1$

Johns Hopkins University: $\tilde{E} : F \rightarrow 4E2A09E \neq : 8 ; : >A4 9F 0, @CF 97E$
 $B=492H9?09>ACF? ; 4E : @>OPDF E; 92CF IF 4; 4 790F =CE<@40/IE : F \rightarrow 4E$
 $2A09E \neq : -029EL, 92@ 2CF 0, @CF: F 7E/Q, =8 09?>PDF \neq F 9/IS. 49. 0F$
 $=0<@4CF9?0-8 0/4?CF0A7 92@ 2CF?@/DE : F \rightarrow 4E2A09E \neq , ?308, ?4 >F$
 $: \neq \tilde{E}, ?@, F \neq 3D4, TS. 49. CF 0, @CF@8, 944F 9/E. . 4 T: 49. 0E, 5 \Rightarrow F$
 $, =CF 77 BO/F? F 3 : >CF 9DEyF \rightarrow 4 >PDF 3CF @ 9?4, ?40E, ?@, TS. 49. 0E 9/F$
 $\sim 92400-42E., /08 4F =0 >F$

University of Kansas: $\tilde{E} : F \rightarrow 4E2A09E \neq \&ISIF : A0-98 09E \neq 4? \neq F 0, @CF$
 $?3CF 4? =4, TS?@/4FE<4ement does not speEi, 7E0<@4CF?3CF?@/DE IF&ISIF$
 $34? \neq D$

Kansas State University: $\tilde{E} : F \rightarrow 4E2A09E \neq \&ISIF : A0-98 09E \neq 4? \neq F$
 $-0, @0B34CF?3CF 0?0-9E 0-4, 2CF0<@408 09E, >E: 8 CF: 74F 0-42<F$
 $>@/09?IB, y ful F7E?3CF0<@408 09E 43E, = BE? ; 4, F: @>OF$

University of Kentucky: $\tilde{E} : F \rightarrow 4E2A09E \neq \tilde{E}, ?@, F \neq 3D4, TS. 49. CF 0, @CF$
 $?3CE, ?@, TS. 49. 0F0<@408 09E, y be satisF/F DE: @>OF= 8 F 9?3= ; : 7 2DE$
 $: : 74, T: 49. 0E 9/F >D 3: 7 2DE 9/F 3CF : 702EL, - : = ? \neq F: 407E : =6F$
 $\sim C 0-49. CF0<@408 09E. @/0F: @>OF= 8 F 3CF: . 4 T: 49. 0E$

University of Maryland: $\tilde{E} : F \rightarrow 4E2A09E \neq L 40, ?@CF 0, @CF?3CE 40, ?@CF$
 $; : =4 9E IF 3CF @8, 944F 9/F \neq FE<@408 09E, y be fulF70/IB 43E: @>OF$
 $9, = BE?E. ; : IE : F \rightarrow 4E2A09E \neq , ?308, ?4 >F 0, @CF?3CF @/, 8 09? F$
 $S?@/4E , ?308, ?4 >F0<@408 09E, y be satisF/F DE?3CF %@9/F 3CF$
 $l , ?308, ?4 >F 9/F: =8, T#Q > 942F 4?4 @4A5?@/4FE<@408 09E, DE CF$
 $satisF/F DE@ 3F: @>OF \neq 347 >; 3DE 9/F : 8; @0>F 9/Ed ; ; >F 9/E ; ; F$
 $&>Qp$

University of Massachusetts-Amherst: $\tilde{E} : F \rightarrow 4E2A09E \neq , ?308, ?4 >F$
 $-0, @CF?3CF , >4E , ?3E647FE<@408 09E, y be satisF/F DE423E. 3 : 7H0A7$
 $8, ?3E 9/E@ 3E: @>OF \neq 9? / @ ?4 9E? EL 424?4F FO =DE 9/Ed = - 78 F$
 $S: 7A2B 43E?3CF 9?0-90E, y ful F7E?3CF 9, D4, T#Q > 942FE<@408 09E$

University of Michigan: $\tilde{E} : F \rightarrow 4E2A09E \neq , ?308, ?4 >F 0, @CF?@/09?>F$
 $8, y use science courses to?3CF @ 9?4, ?40#Q > 942FE<@408 09E : F$
 $. \rightarrow 4E2A09E \neq \tilde{E}, ?@, F \neq 3D4, TS. 49. CF 0, @CF@ 3E: @>OF \neq 4 7 2DE$

1 =Ė: 9> 4974>F 9/Fd 3D4>F If @4p8, DĖ, 74IDF30Ė, 7@, 7Ė. 49. CF /4>4 @4 9EQ<@408 097

Michigan State University:F9EQ 097DD =>CF S&I9: ? - 7Ė, 40/E?, 9/, =>FĖ: F ?3, 7 97Ė: 702CH0A078, ?308, 74>F: @>0F, 74IDF30F @ 9?4, 74CF# Q > 9492F -0<@408 097

Middlebury College:Ė: F=0/ 4E2409FĖ =F : 8: : >4 9F 0, @CF: ?3EQ 74 9>F : IF?3CF 4>71Q =F =492F508 4, =EQ<@408 0978, y be satisf0/F DĖ?; 4F: @>0F 49F Ė, 92CF IF/4 4 790ĖĖ: F=0/ 4E2409FĖ =F: =029EL, 92@ 2CF 0, @CF74F 9CF : 1023F., /08 4F, 702 =0F 1B 34 3Ė?@/ 09?F =CF 97Ė0<@4ed to F7Ė0A09IF Ė: F=0/ 4E2409FĖ =F&ISIF : A0-98 097Ė =F 4?: =DF 0, @CF?3CF @7@0F 9/F 447E 74 9>F ĖĖ: =730-9F 8 0-4, E0 74 9F IF?3CF @7@0F 9/F 447E 74 9>F -0<@408 0978, y be fulF70/IB 43F: @>0F9, = BE9Ė: :; CF =F: @F , 9, /, IF Ė: F=0/ 4E2409FĖ =EL 40, 7@CF 0, @CF?30EL 40, 7@CF., /08 4F, 702 =D8, DĖ CF satisf0/F DĖ, = BE =94 3CF: @>0ĖĖ: F=0/ 4E2409FĖ =F , ?308, 74>F 0, @CF?3CF ° 0/@ 74CF# Q > 9492F 9/F 9, 7D4, 7Ė =. 0>0F., /08 4F, 702 =D8, y be fulF70/ B 43Ė. 49. CF: @>0ĖĖ: F=0/ 4E2409FĖ =Ė, 7@, 7Ė =F 3D4, 7Ė. 49. CF 0, @CF?3CF ! 3D4, 7Ė 9/EL 40Ė. 49. 0F., /08 4F, 702 =D8, y be satisf0/F DĖ: @>0B 43F 777Ė. 49. CF: 97097

University of Minnesota:Ė: F=0/ 4E2409FĖ =F&ISIF : A0-98 097Ė =F 4?: =DF -0, @CF?3CF 4?: =4, 7Ė 0>; 0 740F0<@408 0978, y be fulF70/IB 43F: @>0F 9, = BE9Ė: :; 0

University of Mississippi:Ė: F=0/ 4E2409FĖ =F&ISIF : A0-98 097Ė =F 4?: =DF -0, @CF 9F 8 0-4, 9E2 A0-98 097Ė =F34?: =DF@ACDF49: 7EQ<@40/IF : B0A0Ė >?@/09?F=009: @, 2ed to fulF7F?3CF 4?: =DF0<@408 097B 43F FB: H08 0>0F (0>0-9F 447E 74 9Ė@ACD

University of Missouri:Ė: F=0/ 4E2409FĖ =F&ISIF : A0-98 097Ė =F 4?: =DF 0, @CF 0A09F3: @23F?30Ė?, 7CF If 4>: @4B, >F F : 9>4@74 9EQ<@408 097Ė?@/09?78, DĖ fulF774F DĖ, 6492F F: @>CF9Ė 4>: @4B4?: =DF =F&ISIF34?: =DF: @>0F: A0-92F F 9, = BE 3= 9: 7 24, 7Ė 0-4 /1

University of Montana:Ė: F=0/ 4E2409FĖ =F: =029EL, 92@ 2CF 0, @CF?@/09?F , =C2409F F 3: 4CF 0B 009Ė?@/D92F F7 92@ 2CF =F, 6492F F5D8 - : 7ĖSD?08 >F . 7>ĖĖ: F=0/ 4E2409FĖ =F , ?308, 74>F 0, @CF: @>0B 43F777Ė: 702CH 7A078, ?3F: 97097Ė@ 3F 7Ė : 9708; : = =DF , ?308, 74>F 9F9? = /@ 74 9F? F 8, ?308, 74, 74 Q >F 9/F304F8; ,. 7Ė 9Ė: . 40D518, y fulF7F?3CF , ?308, 74, 7Ė L 40, . DĖ0<@408 097

University of Nevada-Las Vegas: $\text{E}\check{z} : F=O/4E24O9Ft =F : =029EL, 92@ 2CF 0, @CF >?@/O9?B, ACFF 3: 4CF OB009F?@/D92F 9CHD =F IF Ft =029F792@ 2CF =F >?@/D92F Ft =029F @7@C$

University of New Hampshire: $\text{E}\check{z} : F=O/4E24O9Ft =F : =029EL, 92@ 2CF 0, @CF : 97F 9CHD =F F?3CF : 702CF0A074F@<@40/Ft =F E?@/O9?IE\check{z} : F=O/4E24O9F 1 =\check{z}, ?@, F =F 3D4, 7S. 49. CF 0, @CF@ 3F : @>OF >6S?O>O/E @?F 9/F ó A0D 9C\check{z} 00>F F 7. CF. EL Aq18, DE, ?41DF3CF 4 7 24, 7S. 49. 0E 3D4, F S. 49. 0E =F/O 39: 7 2DF@<@408 O9?I$

University of New Mexico: $\text{E}\check{z} : F=O/4E24O9Ft =F : 8 ; : >A 9F 0, @CF?@/O9?F 8, DFO>F @F IF3CF&940>4D(=492F@<@4ement and fuF7F3CF(=492F 9/F S; Q 692F : =CF@<@408 O9?B 43F F : @>CF9F @ 71F; Q 692IE\check{z} : F=O/4E24O9Ft =F , : =029EL, 92@ 2CF 0, @CF970>8 O/4 ?CF0A074F9: F@<@40/I$

State University of New York-Bu alo: $\text{E}\check{z} : F=O/4E24O9Ft =F : =029EL, 92@ 2CF -0, @CF 97F =o F 49. DF?=: @23F3CF@ : 9/F@8 O>O?F4F@<@40 IE\check{z} : F=O/4E24O9F 1 =R&ISIF : A098 O9F =F 4? =DF 0, @CF?3CF 8 O4, 9F 7@, 748 F@<@408 O9F 8, y be satisF/D9, = BF56>6IE\check{z} 5F1@/4E24O9Ft #H) & ?308 574 >F@, @CF?3CF6 5@ C$

State University of New York(S)-15(on)15(yBr)15oo $\text{E}\check{z} : F=O/4E24O9Ft =F : =029EL, 92@ 2CF -0, @CF?3CF^970; =092AQD?>0DF3CFV@8, 944>F@<@408 O9F , F70; ?>CF O^* CF : @> IE\check{z} : F=O/4E24O9Ft =Fq=029EL, 92@ 2CF ! : E08 O>O>F F Ft =029F792@ 2CF =CF@<@40 IE\check{z} : F=O/4E24O9Ft =F ~ : A098 O9F =F 4? =DF 0, @CF?3CF 8 O4, 9F 4? =DF ~ °$

417304F 0=1 =8, 9. CFDF30-CE08 4, =>F4F0>, 741. ?. =DEŽ: F=O/ 4E2409Ft =F
 l , ?308, 74>F 0, @CF3CF: =8, 7S?@/ 4F0<@408 0978, y be fulF70/IB43F
 .: @=>OF 9F57A1F792@474>F 9/18 @4F30 =DEŽ: F=O/ 4E2409Ft =FŽ, ?@, F =F
 ! 3D4, 7S. 409. CF 0, @CF3CFŽ, ?@, 7S. 409. 0F0<@408 0978, y be satisF0/F DF
 .: @=>OFDF 973=; ; 7 2DE20 2=; 30E792@474>F 9/F >D 3. 7 2D

University of Notre Dame: FŽ: F=O/ 4E2409Ft =L 40=, ?@CF 0, @CF@ 3F: @=>OF
 , >F 4= 74 9F 9/F/0974DF 9/F#Q =009742EL, -: =18, DE, 741DF30EL 40=, ?@CF
 =0<@408 097EŽ: F=O/ 4E2409Ft =R&ISIF : A0-98 097E =F 4? =DF 0, @CF F =, /F
 .: @=>CFDF 8 0=4, 9E2 A0-98 097E =B4? =DF49: 7E0<@40/F? E, 741DF30E 4? =DF
 =0<@408 097E

Oberlin College: FŽ: F=O/ 4E2409Ft =F : 8; ; >4 9F 0, @CF3CF(=492H
 /=
 /=

, >E% ; 4 >PDE , ?308, ?4 >Ft =F?3CE L 4 O, F =>?p8, y satisfy theF=>F, =F F
?3CF @ 9?4, ?4CF# Q > 942F/4?4 @?4 9FO<@408 O9?F FCE0 : 9/F, =F IF?3CF
=O<@408 O9?8, y be full70/IB 43F: @=>0PDE =B 4, ?5@?4CF 9/F7D2@4?4 >EŽ: F
. =/ 4E2409Ft =EŽ, ?@, F =F 3D4, ?S. 49. CF 0, @CF@ 3F: @=>0F >F 0904 >G
L, BGF 9/FS: . 4 ? : 7DF 9/Id @8, 9FS00@ 7Dp8, D, ?4ID?3CEŽ, ?@, ?S. 49. OF
=O<@408 O9?

University of South Dakota: EŽ: F =/ 4E2409Ft =F: =029EL, 92@ 2CF 0, @CF: F
8: =CF?3, 9F 90ED =F IF F =029F7 92@ 2CF4FO<@40/I

Stanford University: EŽ: F =/ 4E2409Ft =F: =029EL, 92@ 2CF 0, @CF 97F 9CF
DQ =F ??3CF: 702CF0A074FO<@40/IEŽ: F =/ 4E2409Ft =F&SIF : A0-98 O9F =F
1 4? =DF 0, @CF?3CF 8 O4, 9F @7@0FO<@408 O9?8, y be full70/IB 43F9, = BF
.: @=>0F@ 3F >F 44 9>F IF?3CF. } w?F 9/Ff1 4S: n ?@F FCEŽ CB# O9, 4>, 9. CF IF
, F , B, 49F @4, ?% / 44 9Ip8?, 9t =F/ OF FO=F?@/ O9?F 9F; ?4 9, ?2-Q ?
- : : 6F @4 @?8 F, 70/FS?@ ?@O/EL 4 O, F /@, ?4 9I

Swarthmore College: EŽ: F =/ 4E2409Ft =F : 8 : : >4 9F 0, @CF?3CF =4D2F
.: @=>0F 9/FO8 4, =>F =CF? ; 4F: @=>0FDE F, 92CF IF/4-9F O=/ 4E2409Ft
- .) 0 P À ð Ð / - à 0 , (• 0, 0 Àà& & 5 *) À • / , , , 0 Àà&%eP Ð ð Ð !

Swarthmore College:

Swarthmore College:

Swarthmore College: 5 5 ð q½ • À P

Swarthmore College:

- 0, @CF B4CF, 92CF IF: @>0CF 109F9, = BFDf. : ; 0fB, Df, ?4DF3CF 4? =DF
, 9/F @7@CF 1F3CF&940/IS?, 70fQ<@408 097fŽ: F=0/4f2409Ff =f , ?308, ?4>F
- 0, @CF?@/09?>fB, Df, 6CF 7f: 40. CF 7>0fF =f3CF , ?308, ?4>F 9/fŽ, ?@, f
S. 40. 0f, 702 =DF

- 4 7 2 D F 9 / B @ 4 I Ž : F = 0 / 4 E 2 A O 9 F t = F t , 7 3 0 8 , 7 4 > F 0 , @ C F @ 3 F : @ = 0 F
, > F # Q > 9 F D F : 8 8 @ 4 , 7 4 9 p 8 , D E , 7 4 I D F 3 C F @ 9 7 4 , 7 4 A C F # Q > 9 4 2 F F
= 0 < @ 4 0 8 0 9 7 B 3 4 C F : @ = 0 F D F > = 9 : 8 D F : ? , 9 D F 9 / E E : 7 2 D 8 , y ful F 7 F 3 C F
" @ 9 7 4 , 7 4 A C F # Q > 9 4 2 F F 0 < @ 4 0 8 0 9 7 F

University of Wyoming: Ž : F = 0 / 4 E 2 A O 9 F t = F t : = 0 2 9 H L , 9 2 @ 2 C F 0 , @ C F ? @ / D F
; , > F ? 3 C 0 7 0 8 0 9 ? , = D F 0 A 0 7 4 4 9 : F 0 < @ 4 0 / I

Yale University: Ž : F = 0 / 4 E 2 A O 9 F t = F t : 8 ; : > 4 1 9 F 0 , @ C F ? 3 C F = 4 2 2 F
> 6 4 7 F 0 < @ 4 0 8 0 9 7 8 , y be sati 5 0 / F D E A 0 E x | w F : @ = 0 F ; , 9 9 4 2 F y | F / 4 I 0 0 9 F
/ Q , = 8 0 9 ? I Ž : F = 0 / 4 E 2 A O 9 F t = F t , 7 3 0 8 , 7 4 > F 0 , @ C F ? 3 C F @ 9 7 4 , 7 4 A C F
Q > 9 4 2 F 0 < @ 4 0 8 0 9 7 8 , y be ful F 7 0 / B 4 3 F : @ = 0 F D F 0 : 9 : 8 4 > 0 9 A 4 : 9 8 0 9 ? , F
> @ / 4 > G 9 / F 3 D 4 , F : 4 9 . C I Ž : F = 0 / 4 E 2 A O 9 F t = F t , ? @ , F = F 3 D 4 , F S . 4 9 . C F
- 0 , @ C F @ 3 F : @ = 0 F > F 3 0 8 4 ? = D F 9 F ; ; @ 7 = Ž : A 0 7 F 9 / F 6 S Q = 3 F t = F
" C = , 7 0 = 0 ? = 4 7 L 4 Q 1 8 , D E , 7 4 I D F 3 C F S . 4 9 . C F 0 < @ 4 0 8 0 9 7 F F C F 4 0 7 0 / F S ? @ / 4 F
4 4 4 7 4 0 F 9 F ; 7 4 9 , F = 2 = 8 F ; 0 9 F 9 7 F ? E 0 7 0 7 0 / F ? @ / 0 9 ? @ 0 ? : ? , - 7 F I 0 = F 9 F
4 7 0 2 = , 7 0 / F ? @ / D F I E 2 Q F : : 6 F 9 / F 4 Q >

END NOTES

1. L: 4# : 8, 9: 6L40;. DE IF : 702CF = /@ 70F>F 9F 0 700F Washington Post | F 0 08 - 0Fyww| 6B??, JZBBBIB, >342? 9; : >A : 8 ZB; HD9Z: 9?09Z =H 74 7Zyww| ZxyZy{ Z #yww| xyy{ vvw-wxI3?8 7D@ " #I
2. d : >F : @2F 0 ; 7F 90-92F?3C&JSIF : =6t = 6L. . 6F =44, 76647F >09H 74 7t =S@. 0>GF, =90>34 Ft =Fyx^F 09?@DS647?6yE. ? - 0Fyww| 6B??, JZ BBBIyx>? 09?@D647A: =2Z0/00; 3; 0; 74 9' . : 8 \. : 9?09L ? >6' A0BL 4''y| vL /? 8 4'' } {I
3. /90=: 7024 70S?@ / 4F9>74@CF 8 0-4, 9F 44EL40;. DE = 2; 8 6Z @F, / 92F 1 0-4, 20F 8 0-4, 9F, 4FF, >4F%0>F 9F04H 4? =DF 9/F9>74@4 9>GF 90=: 7H 7024 70S?@ / 4F9>74@06B??, JZBBBI, 8 0-4, 9. 44 70;. DE =Zyww|Z@8 8, =D>@8 H 8, =I3?8 7E 8 0-4, 9F : @. 4F IF@>00F 9/F 78 94E Losing America's Memory: Historical Illiteracy in the 21st Century | yww|
4. 6Z, 74 9, F 9/: B8 09Ft =F3CF =?F 99: @. 0 6Z 0BF#Q / 42IS?@ / D 6Z, 74 9, F ~ 9/: B8 09Ft =F3CF =?6K, 6Z: A08 - 0Fyww-6B??, JZBBBI9Q I2 A90B>90B>w-Z % #Z #I3?8 7
5. f@/DHF 9/0>: 900/0E Undergraduate Bulletin 2008-09: University of Nebraska – Lincoln | L 4. : 9E IF CF IF @ 7A, 74 9>EL F 3 : ? 2; ; 30E yww| 6K } 6Z, , 6F w| 6B??, JZ BBBI@9T0 / @ 97 @ 7@ / 0-2; /Z: B97, / >Z@2- w6w I; / IF6 : @>CF 9t =8, 74 9F \$@40F 090; F /@, 74 9F# 0<@408 09?>6R&940>4TF 1F7A: 4F 7R=>, 9, H 3, 8 H ; , 496B??, JZ: @>0-47A: 4H / @Z 4Z090/Z &t I3?8 7064 / ''yx}, 66&940>4TF : 6Z 0BF , 8; >340R&9/0-2; /@ 7CF , ? 7 26R&940>4TF 6Z 0BF , 8; >3406B??, JZ

10. 6CR:940>4DF IF#3: /CF>79/FywwCHvF , ? 7 26CR:940>4DF IF#3: /CF>79/G
3??, JZBBBI@4I'@Z, ? 7 2Z, ? 7 238 7@2= /@ 70 = 2<@438 7

11. Are ey Really Ready to Work? Employers' Perspectives on the Basic Knowledge and
plied Skills of New Entrants to the 21st Century U.S. Workforce 6SF : 910-09. CF : , =/G
' : = : = 7CF : 40FI =H : =602F, 8 40CF FCF, =90>34 FI =Fyx*F 09?@-186474G 9/F
FOIS: . 40DFI =H @8, 9#0: @= CH , 9, 208 09Fywy T&=K, I

12. /- 40E{I

13. ~ @Q @F IL, - : =5? 74?4>GZ @8 - 0F IFi - >EL, - : =H , =60F C 0-40. 0F 9/F , =9H
42F = B73IF#0@7FI= 8 F EŽ, ?4 9, 7L: 924@/ 4, 7S@-ADZ CB>#070 >06R:940/F
S?, 70F Q, =8 09F IL, - : =Gy-H@0Fyww@E3??, JZBBBI- 712 AZCB-I-070 >097: D
38I

14. 6CF : =CF @=4@78 GF : 78 - 4F : 702CF : 78 - 4R:940>4DF9F3CF 4DF IZ CBF
*: =6E3??, JZBBBI: 702CI: 78 - 4I0'@Z: =CI

15. 6CF : =CF @=4@78 GF : 78 - 4F : 702CF : 78 - 4R:940>4DF9F3CF 4DF IZ CBF
*: =6E3??, JZBBBI: 702CI: 78 - 4I0'@Z: =06CF : 8 8 : 9F : =06CR:940>4DF IF
' 34, 2 E3??, >VZ: 702Q / 8 4>4 9-I@ 34, 2 IO'@Z., /08 4-Z: 8 8 : 9: =CI>38 7

16. ~ C 7@/42F , >>. 3@0?>F9>24@CF IF/0 39: 7 2DF 9/F , 7L =94F9>24@CF IF/0 3H
9: 7 2DF= 8 F30Z, ?4 9, 7R:940>40EL 4:F 9/F D DF0 DF= 8 F3IF
' 3 0 = EŽ 79 : &7 0Ú 702

20.

\$8 43F : 70206k, Gy}

&940=>41F 1F: @?3F , = 7D, Gk-Gy€

&940=>41F 1F: @?3F , G ? , Gk-Gy, Q w

\$?, 91 =/R:940=>41FzGkGy| Q w

\$B, =?38: =CF : 70206k, Gy} Q w

ACKNOWLEDGMENTS

This report was prepared by the staff of the American Council of Trustees and Alumni, primarily by program officer Sandra Diaz and vice president Lauri Kempson.

The American Council of Trustees and Alumni is an independent non-profit dedicated to academic freedom, academic excellence, and accountability. Since its founding in 1995, ACTA has counseled boards, educated the public, and published reports about such issues as good governance, historical literacy, core curricula, the free exchange of ideas, and accreditation in higher education. ACTA's previous reports on college curricula include *The Vanishing Shakespeare* (2007), *The Hollow Core* (2004), *Becoming an Educated Person* (2003), and *Losing America's Memory* (2001).

For further information about ACTA and its programs, please contact:

American Council of Trustees and Alumni
1726 M Street, Suite 802
Washington, DC 20036
Phone: 202-467-6787 or 888-ALUMNI-8
Fax: 202-467-6784

X X X H P B D U B P S H t J O G P ! H P B D U

ACT